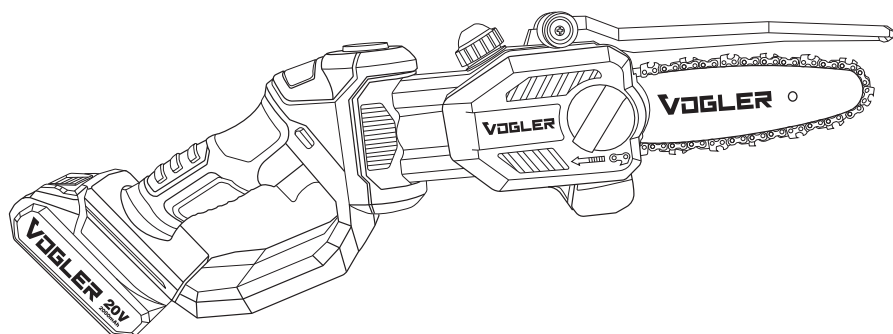


VOGLER[®]

TOOLS, WORK, INTEGRITY

V10478

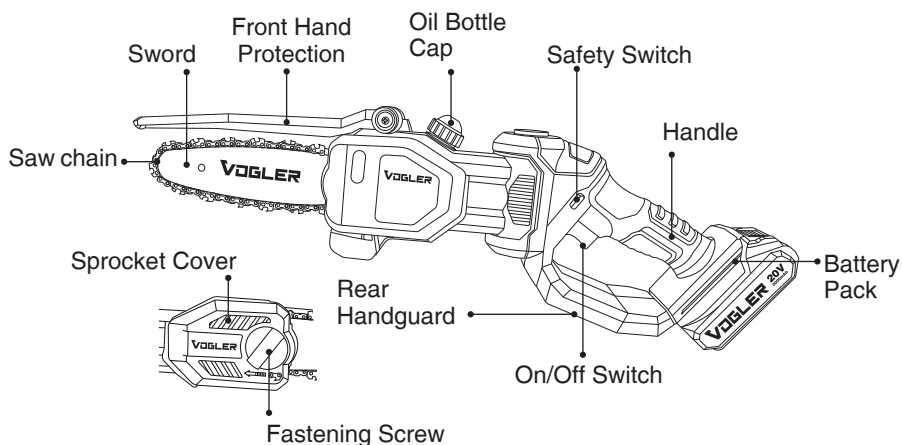


CORDLESS CHAINSAW 20V

TECHNICAL SPECIFICATIONS

Model	V10478
Voltage	20V
Battery Type	Lithium-ion
Battery Capacity	20V-2000mAh
Maximum Cutting Diameter	6"/150mm
Chain Size	1/4"
Chain Bar Length	195mm
No-load Speed	3800RPM
Chain Speed	4.8m/s
Oil Tank Capacity	50ml
Cuts Per Battery Charge (Cutting Diameter 100mm)	50~60 pcs
Charging Time	1 hour
Weight	1.67Kg (with one 2.0Ah Battery)
Includes	Bar Cover, Oil Bottle 50ml, 1pc 3mm file, 2 pcs 2.0Ah Battery, 1pc 2.0A Charger

PART LIST



The operating instructions contain important information on safety, use, and disposal. Before using the device, read all the operating and safety instructions. Keep the operating instructions safe and hand over all the documents in case you want to pass the device on to third parties.

INTENDED USE OF THE CORDLESS CHAINSAW

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 inappropriate tasks can result in serious injuries to the user or others. Any use not explicitly permitted in these operating instructions can damage the device and pose a significant risk to the user.

The device is intended for use in the DIY sector. It is 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 can be sawed by 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

SAFETY SWITCH

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

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 that can cause serious or even fatal injuries if used incorrectly or negligently. 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

DEVICE ICONS



Before you start working with the cordless wood cutter, familiarize yourself with all the controls



Read and follow the machine operating instructions



Wear protective glasses



Be careful of the chainsaw kickback



The tip of the guide bar



Wear 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 away



Sword length



Oil the saw chain



Note the running direction of the saw chain



lock/ loose



Turn indicator

GENERAL SAFETY RULES



WARNING!

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

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE.

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

WORKPLACE SAFETY

- Keep the workplace clean and well-lit. Working in disorganized and dark places can cause accidents.
- Do not operate cordless tools in explosive atmospheres, such as near flammable liquid, gas, or dust as the sparks they generate can ignite dust or gas.
- Keep the cordless tools away from children and bystanders during the operation. Being distracted, you might end up losing control of the tool.

ELECTRICAL SAFETY

- Keep the workplace clean and well-lit. Working in disorganized and dark places can cause accidents.
- Do not operate cordless tools in explosive atmospheres, such as near flammable liquid, gas, or dust as the sparks they generate can ignite dust or gas.
- Keep the cordless tools away from children and bystanders during the operation. Being distracted, you might end up losing control of the tool.
- Avoid human contact with grounding surfaces, such as pipes, cooling fins, and refrigerators. If you touch the ground surface, you will increase the risk of electric shock.
- Do not expose cordless tools to rain or damp environments. Water entering cordless tools will increase the risk of electric shock.
- If it is impossible to avoid operating your cordless tools in a humid environment, use a residual current device (RCD) for protection. Using an RCD can reduce the risk of electric shock.

PERSONAL SAFETY

- Stay alert and focused when working with cordless tools. Do not operate these tools when feeling tired or under the influence of drugs, alcohol, or medications. A moment of distraction or lack of attention can lead to serious injuries to the operator.
- Using personal protective equipment is a **MUST**. Always wear safety glasses. Using dust masks, anti-slip safety shoes, safety helmets, hearing protection, and other PPEs based on necessity in different conditions, can reduce the risk of personal injury.
- Prevent accidental starting. Make sure the switch is off before connecting the tool to the battery pack, picking it up, or carrying it around. Putting your fingers on the switch while carrying the tool or energizing it when the switch is on, can be dangerous.
- Remove all adjustment keys or wrenches before the cordless tool is turned on. Wrenches or keys left on rotating parts of the tool can lead

to injury.

- Don't stretch your hands too far. Always pay attention to the foothold and body balance. This way you can control the cordless tools better in case of an accident.
- Dress appropriately. Do not wear loose clothes or accessories. Keep your hair and clothes away from the moving parts. Loose clothes, accessories, or long hair may get caught in the moving parts.
- If a tool is to be used with chip removal and dust collection equipment, ensure that the equipment is well-connected and properly used. The proper use of dust collection devices can reduce the dangers related to dust.
- 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 second!

TIPS ON CORDLESS TOOL USE AND MAINTENANCE

- Choose cordless tools according to the purpose. This will enhance your efficiency and safety.
- If the switch doesn't turn the device on or off, the cordless tool should not be used. Cordless tools that cannot be controlled by switches, are dangerous and must be repaired.
- Before making any adjustments, replacing accessories, or storing the power tools, you must remove the battery pack (if detachable). This protective safety measure reduces the risk of accidental starting of the power tool.
- Store cordless tools out of children's reach and do not allow people unfamiliar with these tools and those who do not understand these instructions, to touch them. Cordless tools are dangerous if used by untrained users.
- Maintain cordless tools and their accessories properly. Check whether the moving parts are in place or stuck, and check the parts for damage and other conditions affecting the operation. If damaged, repair the cordless tool before use. Many accidents are caused by

poorly maintained tools.

- Keep the cutting tools sharp and clean. A well-maintained tool with a sharp cutting edge is less likely to get stuck and is easier to control.
- Select the cordless tools, their cutting edges, and accessories according to the instructions in this manual and by taking the working conditions and tasks at hand into consideration. The use of cordless tools for tasks they are not made for can lead to dangerous scenarios.
- Keep the handle and surface dry and clean, free of any grease stain. In the event of an accident, a slippery handle prevents a secure grip and makes it hard to control the tool.

TIPS ON BATTERY OPERATED TOOLS USE AND MAINTENANCE

- Only use the charger specified by the manufacturer for charging. The charger used for one battery pack may cause fire hazards if used for other packs.
- Only use battery packs specially designed for your tool. Using other battery packs may cause injury and fire hazards.
- When the 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, to prevent the negative and positive terminals from connecting and causing a short circuit which may start a fire or cause an explosion.
- If misused, the battery pack may start leaking. Avoid contact with the liquid and if you did by accident, rinse the contaminated skin thoroughly with water. In case of any contact with the eyes, you should also seek medical help immediately. The fluid spilled from the battery may cause irritation or burns.
- Do not use damaged or modified battery packs as they may cause fire, explosion, or injury.
- Do not expose the battery packs to fire or temperatures higher than 130°C as it may explode.
- Follow the charging instructions. Do not charge the battery pack outside the temperature range specified in the manual. Improper

charging or charging outside the specified temperature range, may damage the battery and increase the risk of ignition.

REPAIR

- Leave your tool in the hands of professional maintenance personnel and make sure they replace the faulty parts with identical spare parts. This will ensure the safety of the cordless tool.
- Never repair a damaged battery pack. It can only be repaired by the manufacturer or its authorized service provider.

SAFETY INSTRUCTIONS FOR CHAINSAWS

GENERAL TIPS

- Keep all parts of the body away from the chain saw when the chain saw is operating. Before you start the chain saw, make sure the chain saw is not contacting anything. A moment of inattention while operating chain saw may cause entanglement of your clothing or body with the chain saw.
- Always hold the chain saw with your hand on the rear handle. Holding the chain saw with a reversed hand configuration increases the risk of personal injury and should never be done.
- Hold the chain saw by insulated gripping surfaces only, because the chain saw may contact hidden wiring. Chain saw contacting a “live” wire may make exposed metal parts of the chain saw “live” and could give the operator an electric shock.
- 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 chain saw.
- Do not operate a chain saw in a tree, on a ladder, from a rooftop, or any unstable support. Operation of a chainsaw in this manner could result in serious personal injury.
- Always keep proper footing and operate the chain saw only when

standing on fixed, secure and level surface. Slippery or unstable surfaces may cause a loss of balance or control of the chainsaw.

- 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 chain saw out of control.
- Use extreme caution when cutting brush and saplings. The slender material may catch the chain saw and be whipped toward you or pull you off balance.
- Carry the chain saw by the front handle with the chain saw switched off and away from your body. When transporting or storing the chain saw, always fit the guide bar cover. Proper handling of the chain saw will reduce the likelihood of accidental contact with the moving chain saw.
- 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.
- Cut wood only. Do not use chain saw for purposes not intended. For example: do not use chain saw for cutting metal, plastic, masonry or non-wood building materials. Use of the chain saw for operations different than intended could result in a hazardous situation.
- This chain saw is not intended for tree felling. Use of the chain saw for operations different than intended could result in serious injury to the operator or bystanders.

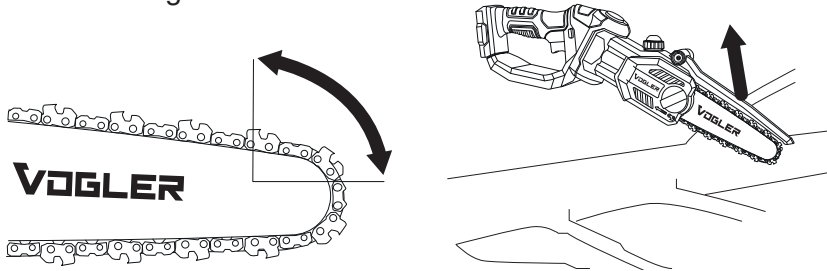
CAUSES OF KICKBACK AND HOW TO STOP IT

- Kickback may occur when the nose or tip of the guide bar contacts an object or when the wood closes in and pinches the saw chain during a cut. In some cases, tip contact can cause a sudden reverse reaction, causing the guide bar to kick up and back towards the operator. Pinching the saw chain along the top of the guide bar can cause the guide bar to rapidly push back toward 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 chain saw misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below:



- Maintain a firm grip, with thumbs and fingers encircling the chain saw handles, with both hands on the chain 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 chain saw.
- Do not overreach and do not cut above shoulder height. This helps prevent unintended tip contact and enables better control of the chain saw in unexpected situations.
- Only use replacement guide bars and chain saw specified by the Vogler replacement guide bars and chain saw may cause chain breakage and/or kickback.
- Follow the manufacturer's sharpening and maintenance instructions for the chain saw. 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 the Vogler 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 THIS TOOL, YOU MUST

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

MOUNT THE SWORD AND THE SAW CHAIN



Remove the battery from the device before doing any work on it.

- Place the device on a flat surface.
- Turn the sprocket cover fixing screw counterclockwise to detach the sprocket cover.
- 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 case or above the sprocket cover as a guide.



Direction of movement of the saw chain

- For easier assembly, hold the blade angled upward at approximately 45 degrees, allowing you to guide the saw chain onto the chain sprocket more easily.
- Put on the sword and the saw chain. It is normal for the saw chain to sag.
- First, position the guide plate onto the tension spring and press it down gently to place the chain onto the sprocket.
- Press down the guide plate and align the positioning groove on the guide plate with the positioning pin on the casing. Release the guide plate, allowing the tensioning spring to automatically tension the chain.
- Install the sprocket cover by placing it on the guide plate. Align the lock nut with the fastening screw on the housing, and rotate the fastening knob in the direction of the arrow to compress the guide plate.
- If the chain is loose, slightly loosen the knob, allow the tensioning

spring to tighten the chain, and then retighten the knob.

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

TENSION THE SAW CHAIN

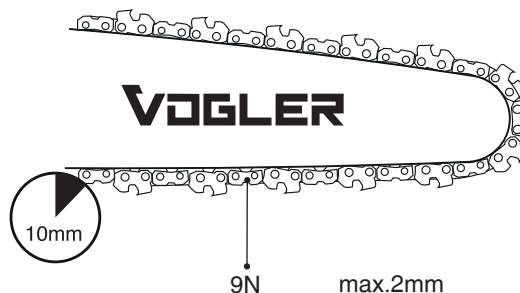
Regular tensioning of the saw chain serves the safety of the user and reduces or prevents wear and tear and chain damage. We recommend checking the chain tension before starting work and at intervals of approximately 10 minutes and correcting it if necessary. When working with the saw, the saw chain heats up and expands slightly.

This “re-lengthening” is to be expected, especially with new saw chains.

! Do not adjust or replace the saw chain while it is hot, as it contracts slightly after cooling down. Failing to heed this advice can result in damage to the guide bar or motor, as the saw chain will then be too tight on the bar.

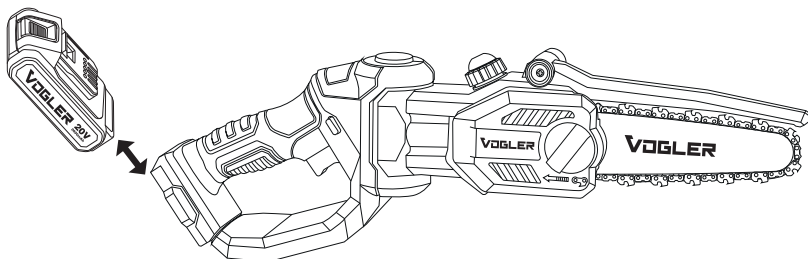
Chain tension and chain lubrication have a considerable influence on the service life of the saw chain.

The saw chain is correctly tensioned when it does not sag on the underside of the guide bar and can be pulled all the way around with a gloved hand. When pulling the saw chain with a force of 9N (approximately 1kg), the gap between the saw chain and the guide bar should not exceed 2mm.



BATTERY INSERTION AND REMOVAL

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



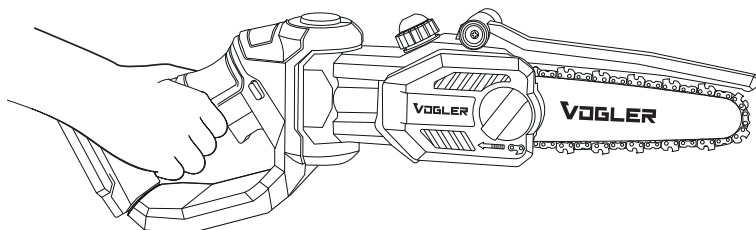
OPERATION

! Do not switch on the device until the sword, the saw chain, and the 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.

TURNING ON

- If necessary, insert the battery into the device (see “Battery Insertion and Removal”).
 - Check the charge level of the battery before starting.
 - Hold the device firmly with both hands, with your right hand on the handle. The thumb and fingers must grip the handle tightly.
- To switch on, press the switch-on lock with your thumb or forefinger, and then press the on/off switch. The device will run at maximum speed. Release the switch-on lock to stop the device.



CHANGE DIRECTION

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

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



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

CHANGING THE SWORD

- Switch off the device and remove the battery from the device.
- Place the device on a flat surface.
- Turn the fastening screw of the sprocket cover counterclockwise to loosen the chain tension, then remove the sprocket cover.
- Hold the bar at an angle of approximately 45 degrees upward to facilitate easier removal of the chain from the chain link.
- Replace the sword and assemble the sword and chain.

SAWING TECHNIQUES

- When using the chainsaw on a tree, note that any kind of 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 cutting or afterward



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! Any repairing and maintenance work that is not described in these operating instructions should be 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. There is a risk of lacerations.

CLEANING

- Clean the machine thoroughly after each use. This will extend the service life of the machine and help 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 help achieve optimal machine performance. In the event of damage due to insufficient saw chain maintenance, the guarantee is void. Remove the battery and use cut-resistant gloves when handling the chain or sword.



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 hours of 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 to the bottle, and check the oil level against the oil mark on the 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, tighten the oil bottle cap promptly and do not place it randomly.

Sharpening the Cutting Teeth



An incorrectly sharpened saw chain increases the risk of kickback!

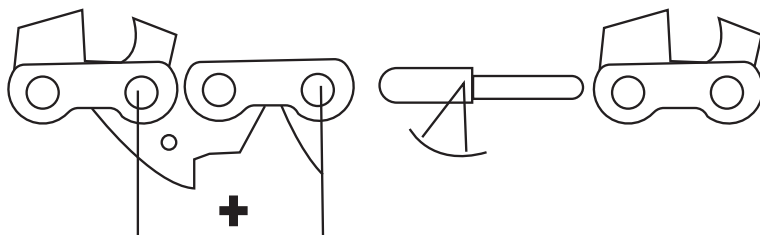
- Use cut-resistant gloves when handling the chain or sword.



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 specified dimensions of the cutting-edge geometry can increase the machine's tendency to kickback. Therefore, you will face an 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 woodcutters, 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 THE SWORD

- Remove the battery from the device.
- Remove the sprocket cover, the saw chain, and the sword.
- Check the sword for wear. Remove burrs and straighten the guide surfaces with a flat file.
- Fit the sword, the saw chain, and the 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 Vogler Service Center
	On/Off switch defective	Call Vogler Service Center
	Motor defective	
Bad cutting performance	The saw chain installed incorrectly	Mount the saw chain correctly
	Saw chain gone blunt	Sharpen the cutting teeth or mount a new chain
	Insufficient chain tension	Check the chain tension
Device runs with difficulty, chain jumps	Insufficient chain tension	Check the chain tension
The chain gets hot, smoke develops when sawing, discoloration of the bar	Too little chain oil	Oil the chain

SERVICE AND MAINTENANCE

- Get your power tool serviced regularly by a qualified repair person using only identical replacement parts. This will help maintain the safety and performance of your power tool.
- Follow instructions for lubricating and changing accessories.
- Keep handles dry, clean, and free from oil and grease.

CAUTION

FOR YOUR SAFETY

Always ensure the tool is switched off, and unplugged, and the battery cartridge is removed before attempting to perform inspection or maintenance.

MAINTAIN AIRFLOW

Regularly clean the tool's air vents to prevent overheating and ensure optimal performance. Clean them more frequently if working in dusty environments.

CLEANING

Never use gasoline, benzene, thinner, alcohol, or the like. Discoloration, deformation, or cracks may result.

PROFESSIONAL MAINTENANCE

For optimal safety and reliability, we recommend that repairs and any other maintenance tasks beyond user capabilities be performed by an Authorized VOGLER Service Center using genuine VOGLER replacement parts.

ENVIRONMENTAL PROTECTION

This electronic device contains components that require special disposal. To protect resources and the environment, please do not throw it away with regular household garbage. Recycle this product through your local electronics recycling program. If you have any questions, you can also contact your local waste management office or a certified electronics recycler.



Vogler Tools

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