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User manual



Cordless Compact Chain Saw

MODEL NUMBER:
SERIAL NUMBER:

☐ CEDCHS100Li

Model number and serial number should be on nameplate.
You should write them down and store in a safe place.



IDENTIFICATION

1. Guide bar

2. Saw chain

3. Riving Knife

4. Lever

5. Base plate

6. Sprocket cover

7. Front handle

8. Lock-off lever

9. Switch trigger

10. Soft handle(main handle)

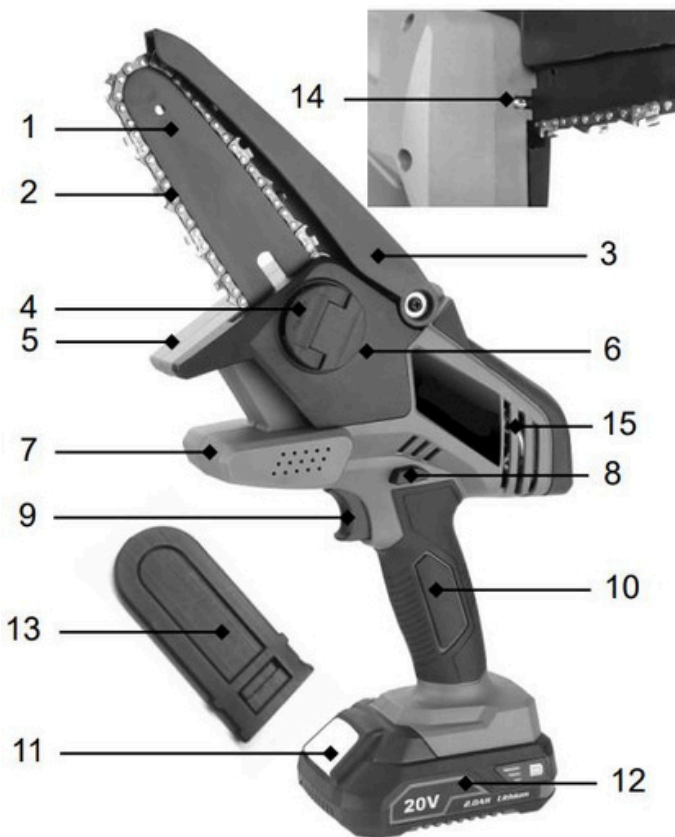
11. Button of battery cartridge

12. Battery cartridge

13. Guide bar cover

14. Chain head screw

15. Ventilation slots



SPECIFICATIONS

Model:		CEDCHS100LI
No load speed		5400/min
Overall length (Bare tool)		410 mm
Rated voltage		D.C. 20 V
Net weight (Bare tool)		1.33 kg
Max. Cutting length		100 mm
Guide bar	Type	Sprocket nose bar
	Standard length	110 mm
	Gauge	1.1 mm
Sprocket Pitch		1/4"
Number of drive links		32
Chain speed		8 m/s (0 - 480m/min)

- Due to our continuing program of research and development, the specifications herein are subject to change without notice.
- Specifications may differ from country to country.
- The weight may differ depending on the attachment(s), including the battery cartridge.

Applicable battery cartridge and charger

battery cartridge	CEDLi-Ion 2Ah, CEDLi-Ion 4Ah, CEDLi-Ion 6Ah
battery charger	CEDFCH2.4, CEDDCH3.0, CEDFCH3.5

- Some of the battery cartridges and chargers listed above may not be available depending on your region of residence.

⚠ WARNING: Only use the battery cartridges and chargers listed above. Use of any other battery cartridge and chargers may cause injury and/or fire.

⚠ WARNING: Use appropriate combination of the guide bar and saw chain. Otherwise personal injury may result.

Symbols

The following show the symbols used for the equipment. Be sure that you understand their meaning before use.

	Read instruction manual.
	Take particular care and attention.
	Wear safety glasses.
	Wear ear protection.
	Wear protective gloves.
	Wear protective headgear.
	Wear sturdy shoes.
	Do not expose to rain or water.
	Beware of kickback.



Only for EU countries
Do not dispose of electric equipment or battery pack together with household waste material! In observance of the European Directives, on Waste Electric and Electronic Equipment and Batteries and Accumulators and Waste Batteries and Accumulators and their implementation in accordance with national laws, electric equipment and batteries and battery pack(s) that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

Intended use

The compact chain saw is intended for domestic use only. It is intended for cutting branches, slats, hardwood and softwood. It is suitable for straight cuts. The saw is not intended for continuous commercial use.

Noise

The typical A-weighted noise level determined according to EN 62841-1:

Model ZCS777-2

Sound pressure level (LpA) : **90.4 dB(A)**

Sound power level (LWA) : **99.4 dB(A)**

Uncertainty (K) : **3 dB(A)**

NOTE: The declared noise emission value(s) has been measured in accordance with a standard test method and may be used for comparing one tool with another.

NOTE: The declared noise emission value(s) may also be used in a preliminary assessment of exposure.

⚠ WARNING: Wear ear protection.

⚠ WARNING: The noise emission during actual use of the power tool can differ from the declared value(s) depending on the ways in which the tool is used especially what kind of workpiece is processed.

⚠ WARNING: Be sure to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

Vibration

The vibration total value (tri-axial vector sum) determined according to EN62841-1:

Model ZCS777-2

Work mode: cutting branches

Vibration emission (ah,W) : **6.4 m/s²**

Uncertainty (K) : 1.5 m/s²

NOTE: The declared vibration emission value has been measured in accordance with the standard test method and may be used for comparing one tool with another.

NOTE: The declared vibration emission value may also be used in a preliminary assessment of exposure.

⚠ WARNING: The vibration emission during actual use of the power tool can differ from the declared emission value depending on the ways in which the tool is used.

⚠ WARNING: Be sure to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

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.

Work area safety

1. **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
2. **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.
3. **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

Electrical Safety

1. **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.
2. **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.
3. **Do not expose power tools to rain or wet conditions.** The risk of electric shock, if water enters a power tool will increase.
4. **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.
5. **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** A cord suitable for outdoor use reduces the risk of electric shock.
6. **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.
7. **Power tools can produce electromagnetic fields (EMF) that are not harmful to the user.** However, users of pacemakers and other similar medical devices should contact the maker of their device and/or doctor for advice before operating this power tool.

Personal Safety

1. **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.
2. **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.
3. **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
4. **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.

5. **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
6. **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.
7. **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.
8. **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.
9. **Always wear protective goggles to protect your eyes from injury when using power tools. The goggles must comply with ANSI Z87.1 in the USA, EN 166 in Europe, or AS/NZS 1336 in Australia/New Zealand. In Australia/New Zealand, it is legally required to wear a face shield to protect your face, too.**
6. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
7. **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.
8. **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.
9. **When using the tool, do not wear cloth work gloves which may be entangled.** The entanglement of cloth work gloves in the moving parts may result in personal injury.

Battery tool use and care

1. **Recharge only with the charger specified by the manufacturer.** A charger that is not suitable for one type of battery pack may create a risk of fire when used with another battery pack.
2. **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
3. **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.
4. **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.**
5. **Do not use a battery pack or tool that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.

6. **Do not expose a battery pack or tool to fire or excessive temperature.** Exposure to fire or temperature above 130 °C may cause explosion.
7. **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.

Service

1. **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.
2. **Never service damaged battery packs.** Service of battery packs should only be performed by the manufacturer or authorized service providers.
3. **Follow the instructions for lubricating and changing accessories.**



It is an employer's responsibility to enforce the use of appropriate safety protective equipments by the tool operators and by other persons in the immediate working area.

Power tool use and care

1. **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.
2. **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.
3. **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.
4. **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.
5. **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.

Cordless compact chain saw safety warnings

1. **Keep all parts of the body away from the saw chain when the chain saw is operating. Before you start the chain saw, make sure the saw chain is not contacting anything.** A moment of inattention while operating chain saws may cause entanglement of your clothing or body with the saw chain.
2. **Keep handles dry, clean, and free from oil and grease.** Greasy, oily handles are slippery causing loss of control.
3. **Always hold the chain saw with your right hand on the main handle and your left hand on the front handle.** Holding the chain saw with a reversed hand configuration increases the risk of personal injury and should never be done.
4. **Hold the power tool 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 power tool "live" and could give the operator an electric shock.
5. **Wear safety glasses and hearing protection.** Further protective equipment for head, hands, legs and feet is recommended. Adequate protective clothing will reduce personal injury by flying debris or accidental contact with the saw chain.
5. **Use clamps or another practical way to secure and support the workpiece to a stable platform.** Holding the workpiece by hand or against your body leaves it unstable and may lead to loss of control.
6. **Make sure you have firm footing when operating the power tool, especially when using it standing on steps or ladders.** Slippery or unstable surfaces can cause you to lose your balance or lose control over the power tool.
7. **Only bring the power tool into contact with the workpiece when switched on.** Otherwise there is danger of kickback if the cutting tool jams in the workpiece.
8. **Ensure that the footplate always rests securely while sawing.** A jammed saw chain can break or lead to kickback.
9. **When the cut is completed, switch off the power tool and then pull the tool out of the cut only after it has come to a standstill.** In this manner you can avoid kickback and can place down the power tool securely.
10. **Use only undamaged saw chain that are in perfect condition.** Bent or dull saw chain can break, negatively influence the cut, or lead to kickback.
11. **Do not brake the saw chain to a stop by applying side pressure after switching off.** The saw chain can be damaged, break or cause kickback.
12. **Use suitable detectors to determine if there are hidden supply lines or contact the local utility company for assistance.** Contact with electric cables can cause fire and electric shock. Damaging gas lines can lead to explosion. Breaking water pipes causes property damage.
13. **The chain of the saw chain can tear if subjected to excessive strain. You should replace the power tool and/or saw chain if this happens.**
14. **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 chain saw user, you should take several steps to keep your cutting jobs free from accident or injury. Kickback is the result of tool 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 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.
15. **Before starting work, check that the chain saw is in proper working order and that its condition complies with the safety regulations. Check in particular that:**
 - 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 bars and chains specified by the manufacturer. Incorrect replacement bars and chains may cause chain breakage and/or kickback.
 - Follow the manufacturer's sharpening and maintenance instructions for the saw chain. Decreasing the depth gauge height can lead to increased kickback.



16. **Do not start the chain saw with the chain cover being installed on it.** Starting the chain saw with the chain cover being installed on it may cause the chain cover to thrown out forward resulting in personal injury and damage to objects around the operator.
17. **Avoid dangerous environment. Don't use the tool in damp or wet locations or expose it to rain.** Water entering the tool will increase the risk of electric shock.
18. **Do not dispose of the battery(ies) in a fire.** The cell may explode. Check with local codes for possible special disposal instructions.
19. **Do not open or mutilate the battery(ies).** Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
20. **Do not charge battery in rain, or in wet locations.**

SAVE THESE INSTRUCTIONS.

WARNING: DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to safety rules for the subject product. MISUSE or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.

Important safety instructions for battery cartridge

1. Before using battery cartridge, read all instructions and cautionary markings on (1) battery charger, (2) battery, and (3) product using battery.
2. Do not disassemble battery cartridge.
3. If operating time has become excessively shorter, stop operating immediately. It may result in a risk of overheating, possible burns and even an explosion.
4. If electrolyte gets into your eyes, rinse them out with clear water and seek medical attention right away. It may result in loss of your eyesight.
5. Do not short the battery cartridge:
 - (1) Do not touch the terminals with any conductive material.
Avoid storing battery cartridge in a container with other metal objects such as nails, coins, etc.
 - (3) Do not expose battery cartridge to water or rain.

A battery short can cause a large current flow, overheating, possible burns and even a breakdown.
6. Do not store the tool and battery cartridge in locations 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 is completely worn out. The battery cartridge can explode in a fire. Be careful not to drop or strike battery.
8. Do not use a damaged battery.
9. The contained lithium-ion batteries are subject to the Dangerous Goods Legislation requirements.
- 10.

For commercial transports e.g. by third parties, forwarding agents, special requirement on packaging and labeling must be observed.
For preparation of the item being shipped, consulting an expert for hazardous material is required. Please also observe possibly more detailed national regulations.
Tape or mask off open contacts and pack up the battery in such a manner that it cannot move around in the packaging.

11. **Follow your local regulations relating to disposal of battery.**
12. **Use the batteries only with the products specified by Cedrus.** Installing the batteries to non-compliant products may result in a fire, excessive heat, explosion, or leak of electrolyte.

SAVE THESE INSTRUCTIONS.

CAUTION: Use genuine Cedrus batteries.

Use of non-genuine Cedrus batteries, or batteries that have been altered, may result in the battery bursting causing fires, personal injury and damage. It will also void the Cedrus warranty for the Cedrus tool and charger.

Tips for maintaining maximum battery life

1. Charge the battery cartridge before completely discharged. Always stop tool operation and charge the battery cartridge when you notice less tool power.
2. Never recharge a fully charged battery cartridge. Overcharging shortens the battery service life.
3. Charge the battery cartridge with room temperature at 5 °C - 45 °C. Let a hot battery cartridge cool down before charging it.
4. Charge the battery cartridge if you do not use it for a long period (more than six months).

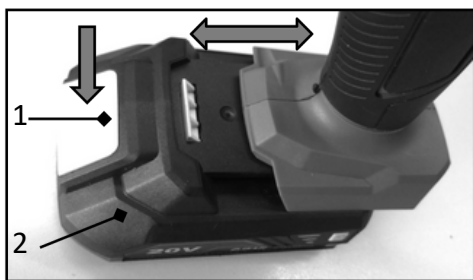
FUNCTIONAL DESCRIPTION

CAUTION: Always be sure that the tool is switched off and the battery cartridge is removed before adjusting or checking function on the tool.

Installing or removing battery cartridge

CAUTION: Always switch off the tool before installing or removing of the battery cartridge.

CAUTION: Hold the tool and the battery cartridge firmly when installing or removing battery cartridge. Failure to hold the tool and the battery cartridge firmly may cause them to slip off your hands and result in damage to the tool and battery cartridge and a personal injury.



► 1. Button 2. Battery cartridge

To remove the battery cartridge, slide it from the tool while sliding the button on the front of the cartridge.

To install the battery cartridge, align the tongue on the battery cartridge with the groove in the housing and slip it into place. Insert it all the way until it locks in place with a little click.

CAUTION: Always install the battery cartridge fully. If not, it may accidentally fall out of the tool, causing injury to you or someone around you.

CAUTION: Do not install the battery cartridge forcibly. If the cartridge does not slide in easily, it is not being inserted correctly.

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 under one of the following conditions:

Overload protection

When the battery is operated in a manner that causes it to draw an abnormally high current, the tool automatically stops without any indication. In this situation, turn the tool off and stop the application that caused the tool to become overloaded. Then turn the tool on to restart.

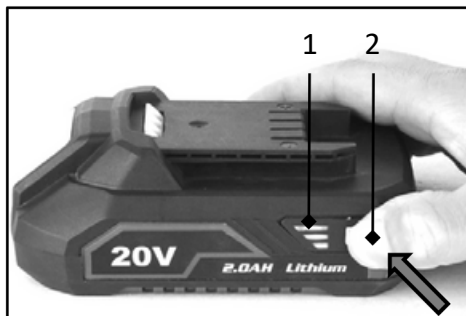
Overheat protection

When the tool or battery is overheated, the tool stops automatically. In this situation, let the tool/battery cool before turning the tool on again.

Overdischarge protection






When the battery capacity becomes low, the tool stops automatically. If the product does not operate even when the switches are operated, remove the batteries from the tool and charge the batteries.

Indicating the remaining battery capacity



► 1. Indicator lamps 2. Check button

Press the check button on the battery cartridge to indicate the remaining battery capacity. The indicator lamps light off immediately when release the check button.

Indicator lamps		Remaining capacity
		
		75% to 100%
		25% to 50%
		10% to 25%

NOTE: Depending on the conditions of use and the ambient temperature, the indication may differ slightly from the actual capacity.

Switch action

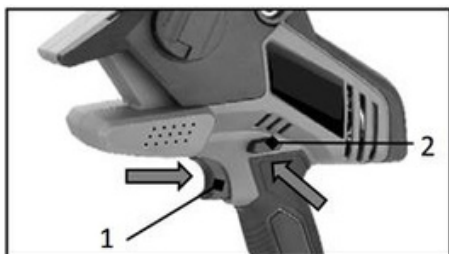
equipped with lock-off lever which prevents the tool from unintended starting. NEVER use the tool if it runs when you simply pull the switch trigger without pressing the lock-off lever. Return the tool to our authorized service center for proper repairs BEFORE further usage.

WARNING: NEVER tape down or defeat purpose and function of lock-off lever.

CAUTION: Before installing the battery cartridge into the tool, always check to see that the switch trigger actuates properly and returns to the "OFF" position when released.

NOTICE: Do not pull the switch trigger hard without pressing the lock-off lever. This can cause switch breakage.

To prevent the switch trigger from being accidentally pulled, a lock-off lever is provided. To start the tool, depress the lock-off lever and pull the switch trigger. The power tool will starting running in maximal speed immediately. Release the switch trigger to stop.



► 1. Switch trigger 2. Lock-off lever

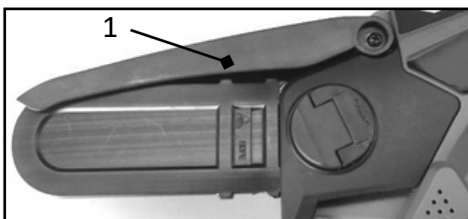
Checking the run-down brake

CAUTION: If the saw chain does not stop within one second in this test, stop using the chainsaw and consult our authorized service.

Run the chain saw then release the switch trigger completely. The saw chain must come to a standstill within one second.

Riving knife for avoiding kickback

- The shape of the riving knife largely eliminates the risk of kickback.
- The saw is optimally protected against kickback by the riving knife with tip protection. Never remove the riving knife. There is a risk of injury!



► 1. Riving knife

ASSEMBLY

CAUTION: Always be sure that the tool is switched off and the battery cartridge is removed before carrying out any work on the tool.

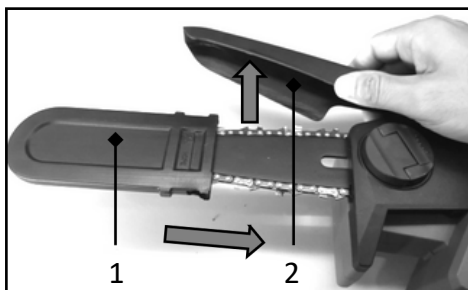
CAUTION: Do not touch the saw chain with bare hands. Always wear gloves when handling the saw chain.

Removing or installing guide bar cover

CAUTION: Be careful not to touch the saw chain when installing or removing the guide bar cover.

To install the guide bar cover, uplift the riving knife and push-in the guide bar cover along the guide bar slightly, slide it sideways as far as it can go, and then release the riving knife.

To remove the guide bar cover, perform the installation steps in reverse.



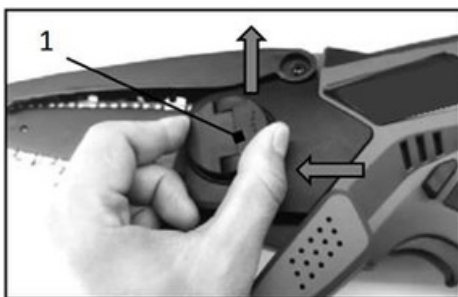
► 1. Guide bar cover 2. Riving knife

Removing or installing saw chain

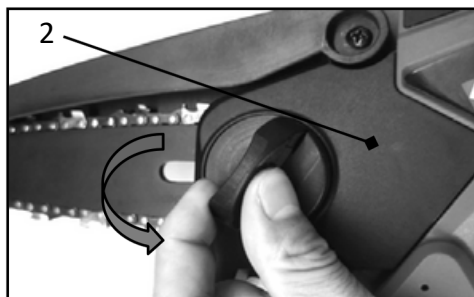
CAUTION: The saw chain and the guide bar are still hot just after the operation. Let them cool down enough before carrying out any work on the tool.

To remove the saw chain, perform the following steps:

1. Pull the lever up while pressing its edge.



2. Turn the lever anticlockwise until the sprocket cover comes off.



► 1. Lever 2. Sprocket cover

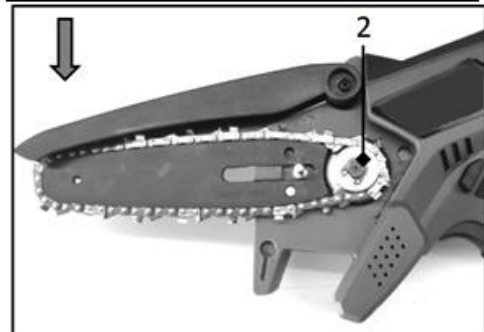
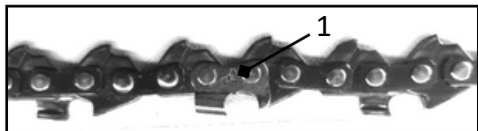
3. Remove the sprocket cover then remove the saw chain and guide bar from the chain saw body.



► 1. Chain saw body 2. Saw chain 3. Guide bar 4. Sprocket cover

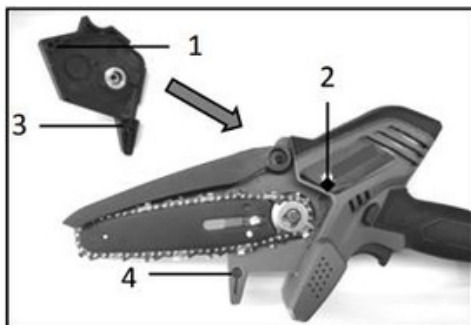
To install the saw chain, perform the following steps:

1. Make sure the direction of the chain. The mark on the chain shows the direction of the chain. Attach the saw chain onto the guide bar.
2. Fit in one end of the saw chain on the top of the guide bar and the other end around the sprocket.
3. Rest the guide bar in original place on the chain saw.



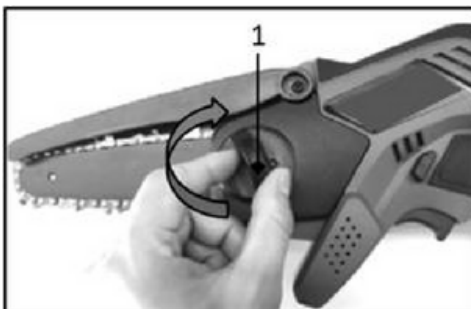
► 1. Mark 2. Sprocket

4. Place the sprocket cover on the chain saw and matching the two log boss on the cover to the two corresponding holes, as shown below.



► 1. Log boss 1 2. Hole 1 3. Log boss 2 4. Hole 2

5. Turn the lever clockwise until the sprocket cover is firmly secured then return it to the original position.



► 1. Lever

Adjusting saw chain tension

⚠ CAUTION: Carry out the procedure of installing or removing saw chain in a clean place free from sawdust and the like.

⚠ CAUTION: Do not tighten the saw chain too much. Excessively high tension of saw chain may cause breakage of saw chain, wear of the guide bar and breakage of the adjusting dial.

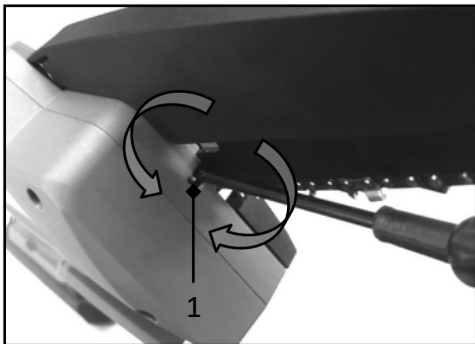
⚠ CAUTION: A chain which is too loose can jump off the bar and it may cause an injury accident.

The saw chain may become loose after many hours of use. From time to time check the saw chain tension before use.

1. Pull the lever up while pressing its edge. Turn it counterclockwise a little bit to loosen sprocket cover lightly.



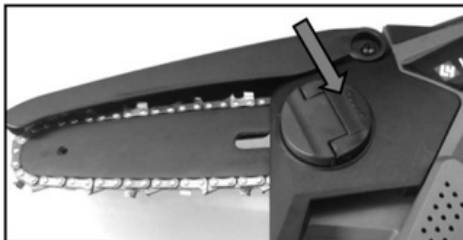
2. Adjust the chain tension. Turn the chain head screw clockwise to tighten, turn it counterclockwise to loosen. To check the suitable saw chain tension, pull the saw chain by the force of about 1kg, if there's distance 3-4mm between the centre of the lower side of the guide bar and the saw chain as shown in below, the tension is suitable.



► 1. Chain head screw



3. Turn the lever clockwise until the sprocket cover is secured then return it to the original position.



⚠ CAUTION: Make sure that the saw chain does not loosen at the lower side and the saw chain fits snugly against the lower side of the bar.

Before use

Lubricating Oil

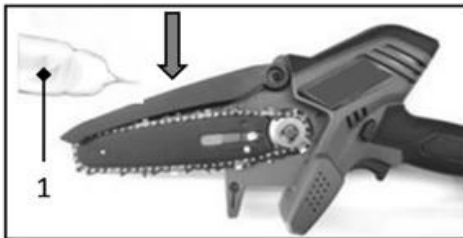
⚠ CAUTION: Only use commercially available, biodegradable chain oils. Do not use engine oil, waste oil or other mineral oils.

The saw chain suggest to refuel every time before using. To apply machine oil on to the saw chain, perform the following steps:

Note: for steps1~2, refer to 1~2 steps of “Remove the saw chain”

3. Use an oiler(machine oil bottle) to oil the saw chain and the sprocket.

Note: for steps4~5, refer to 4~5 steps of “Install the saw chain”



► 1. Oiler (Machine Oil bottle)

NOTICE: Always fill the right amount of lubricating oil each time. Avoid too much or too little.

NOTICE: If the saw makes a rattling noise, the saw chain must be lubricated.

OPERATION

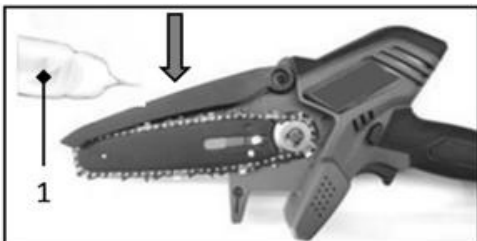
- ⚠ **CAUTION:** Never remove the riving knife while operating. There is a risk of injury!
- ⚠ **CAUTION:** Never reach over the riving knife or under the base plate. There is a risk of injury!
- ⚠ **CAUTION:** Do not cut if the saw chain is in contact with the workpiece, is in the workpiece or may hit an object. This can lead to serious injuries.
- ⚠ **CAUTION:** Clamp loose workpieces before cutting them. Remove foreign objects such as nails, screws, etc.
- ⚠ **CAUTION:** Keep all parts of the body away from the saw chain when the motor is operating.
- ⚠ **CAUTION:** Hold the chain saw firmly with both hands when the motor is running.
- ⚠ **CAUTION:** Do not overreach. Keep proper footing and balance at all times.
- ⚠ **CAUTION:** When cutting a branch that is under tension be alert for spring back. When the tension in the wood fibres is released, the spring-loaded limb may strike the operator and/or throw the chain saw out of control.
- ⚠ **CAUTION:** 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.

NOTICE: Never toss or drop the tool.

NOTICE: Do not cover the ventilation slots of the tool.

Bring the base plate of the chain saw body into contact with the surface of the work piece to be cut before switching on. Otherwise it may cause the guide bar to wobble, resulting in injury to operator. Saw the work piece to be cut by just moving it down by applying only light pressure to the chain saw and the chain speed should not be much slower.

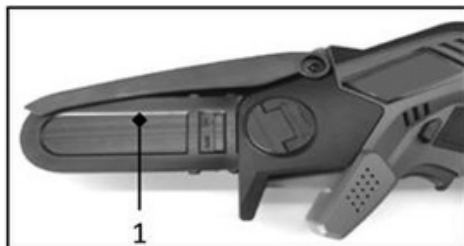
If you cannot cut the work piece right through with a single stroke:
Apply light pressure to the handle and continue sawing and draw the chain saw back a little; then finish the cut.



► 1. Base plate 2. Front handle 3. Ventilation slots

Carrying tool

Before carrying the tool, always remove the battery cartridges from the tool and then attach the guide bar cover.



► 1. Guide bar cover

MAINTENANCE

⚠ **CAUTION:** Always be sure that the tool is switched off and the battery cartridge is removed before attempting to perform inspection or maintenance.

⚠ **CAUTION:** Always wear gloves when performing any inspection or maintenance.

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

To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by Cedrus Authorized or Factory Service Centers, always using Cedrus replacement parts.

Sharpening the saw chain

Sharpen the saw chain (saw teeth) when:

- • • • The sawdust becomes powdery;
 - Additional force is required for the cut;
 - Blunt teeth make the cut less precise;
 - To sharpen the chain use a chain sharpener, make sure you sharpen the chain at a 30° angle.
 - Or have the chain sharpened in Cedrus authorized service center (advised).
- Replace the saw chain if there is considerable damage

that cannot be repaired by filing.

Cleaning the guide bar

Chips and sawdust will build up in the guide bar groove. They may clog the bar groove and impair the oil flow. Clean out the chips and sawdust every time when you sharpen or replace the saw chain.



Cleaning the sprocket cover

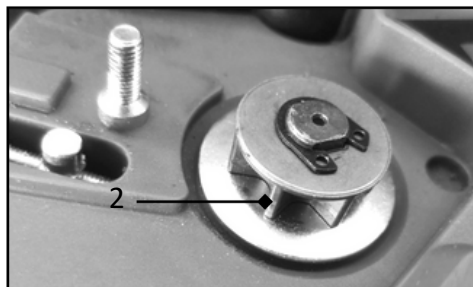
Chips and saw dust will accumulate inside of the sprocket cover. Remove the sprocket cover and saw chain from the tool then clean the chips and saw dust.



Replacing the sprocket

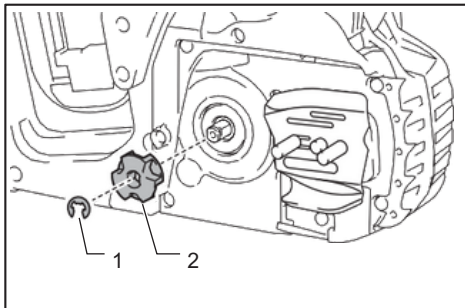
⚠ CAUTION: A worn sprocket will damage a new saw chain. Have the sprocket replaced in this case.

Before fitting a new saw chain, check the condition of the sprocket.



- 1. Sprocket 2. Areas to be worn out

Always fit a new locking ring when replacing the sprocket.



- 1. Locking ring 2. Sprocket

NOTICE: Make sure that the sprocket is installed as shown in the figure.

Storing the tool

1. Clean the tool before storing. Remove any chips and sawdust from the tool after removing the sprocket cover.
2. After cleaning the tool, run it under no load to lubricate the saw chain and guide bar.
3. Cover the guide bar with the guide bar cover.

OPTIONAL ACCESSORIES

⚠ CAUTION: These accessories or attachments are recommended for use with your Cedrus tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. Only use accessory or attachment for its stated purpose.

If you need any assistance for more details regarding these accessories, ask your local Cedrus Service Center.

- Saw chain
- Guide bar
- Guide bar cover
- Lubricating Oil
- Cedrus genuine battery and charger

WARNING: If you purchase a guide bar of different length from the standard guide bar, also purchase a suitable guide bar cover together. It must fit and fully cover the guide bar on the chain saw.

NOTE: Some items in the list may be included in the tool package as standard accessories. They may differ from country to country.

Instructions for periodic maintenance

To ensure long life, prevent damage and ensure the full functioning of the safety features, the following maintenance must be performed regularly. Warranty claims can be recognized only if this work is performed regularly and properly. Failure to perform the prescribed maintenance work can lead to accidents! The user of the chain saw must not perform maintenance work which is not described in the instruction manual. All such work must be carried out by our authorized service center.

Check item / Operating time		Before operation	Everyday	Every week	Every 3 month	Annually	Before storage
Chain saw	Inspection.	✓	-	-	-	-	-
	Cleaning.	-	✓	-	-	-	-
	Check at authorized service center.	-	-	-	-	✓	✓
Saw chain	Inspection.	✓	-	-	-	-	-
	Sharpening if necessary.	-	-	-	-	-	✓
Guide bar	Inspection.	✓	✓	-	-	-	-
	Remove from the chain saw.	-	-	-	-	-	✓
Chain brake	Check the function.	✓	-	-	-	-	-
	Have it inspected regularly at authorized service center.	-	-	-	✓	-	-
Switch trigger	Inspection.	✓	-	-	-	-	-
Lock-off lever	Inspection.	✓	-	-	-	-	-
Screws and nuts	Inspection.	-	-	✓	-	-	-

TROUBLE SHOOTING

Before asking for repairs, conduct your own inspection first. If you find a problem that is not explained in the manual, do not attempt to dismantle the tool. Instead, ask Cedrus Authorized Service Centers, always using Cedrus replacement parts for repairs.

Malfunction status	Cause	Action
The chain saw does not start.	Battery cartridges is not installed.	Install charged battery cartridges.
	Battery problem (low voltage).	Recharge the battery cartridges. If recharging is not effective, replace the battery cartridge.
The motor stops running after a little use.	Battery's charge level is low.	Recharge the battery cartridges. If recharging is not effective, replace the battery cartridge.
No oil on the chain.	Out of lubricating oil	Refuel the saw chain
The chain saw does not reach maximum RPM.	Battery cartridge is installed improperly.	Install the battery cartridges as described in this manual.
	Battery power is dropping.	Recharge the battery cartridges. If recharging is not effective, replace the battery cartridge.
	The drive system does not work correctly.	Ask the authorized service center in your region for repair.
Abnormal vibration: Stop the machine immediately!	Loose guide bar or saw chain.	Adjust the guide bar and saw chain tension.
	Tool malfunction.	Ask the authorized service center in your region for repair.