XHD LITHIUM CORDLESS PRUNING SAW BRUSHLESS 150MM 18V - BARE TOOL



XHD13

OPERATORS MANUAL

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Note

This manual is for your reference only. Due to the continuous improvement of the XHD Lithium products, changes may be made at any time without obligation or notice.

Thank You

For the purchase of this XHD Lithium product. We try our hardest to supply customers like you with the best quality products available, at the best price possible. We cant wait to continue working together in the future.

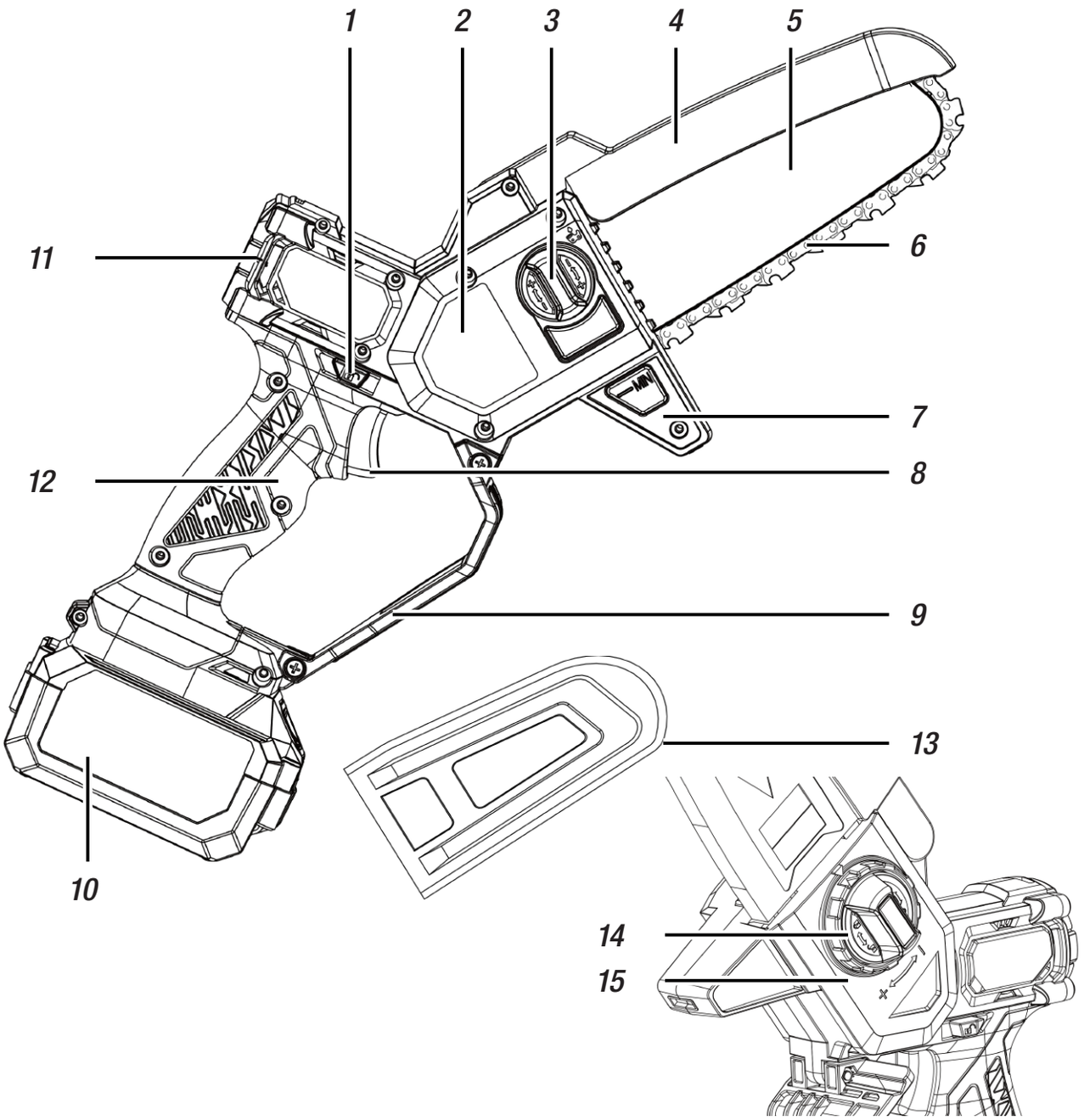
SPECIFICATIONS

Battery Voltage	18V DC
No Load Speed	5315 RPM ± 5%
No Load Chain Speed	8.0m/s
Effective Sword Length	145mm
Maximum Cutting Depth	145mm
Net Weight	1.5kg

Intended Use

This tool is intended for light limbing of branches and or light pruning of trees, shrubs and bushes. Cut wood only. 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.

PRODUCT IDENTIFICATION



1 Safety Switch (Power Lock-Off)
2 Side Cover
3 Oil Tank Screw
4 Pivoting Guard
5 Guide Bar
6 Saw Chain
7 Base Plate
8 ON/OFF Switch
9 Hand Guard
10 XHD Battery (Not Included)
11 Ventilation Slots
12 Rubber Handgrip
13 Chain & Bar Cover
14 Head Screw
15 Chain Adjusting Screw Pin (Not Shown)

SAFETY GUIDELINES

⚠ WARNING

READ ALL SAFETY WARNINGS & INSTRUCTIONS. Failure to follow instructions and warnings could lead to serious injury, electric shock, or fire.

Work Area Safety

- **Ensure that your work area is kept clean and well lit.** Lack of visibility and clutter greatly increase the risk of accident when using tools.
- **Keep bystanders, pets, and children clear when operating this power tool or machine.** They can cause distraction or risk injury to themselves.
- **Ensure you are not operating the power tool or machinery in the presence of dust, liquids, flammable gases, or anything that can create an explosive atmosphere.** Power tools and machinery can create sparks which can lead to ignition and fire hazards in working environments.

Personal Safety

- **Always wear personal protective equipment (PPE).** Eye protection, ear protection, dust masks, and other protective equipment will help to reduce the risk of personal injury or long-term illnesses.
- **Dress appropriately. DO NOT wear loose clothing that can get caught in moving parts.** Keep hair, loose clothing, jewellery, and anything else that could be of risk, away from moving parts in the machine, or they could become caught therein.
- **Always remain alert and DO NOT operate power tools or machinery under the influence of any substances such as alcohol or drugs, including prescription medications.** Lack of focus could lead to injury or accidents while operating these power tools and machinery.
- **Always ensure proper footing and balance.** Overreaching can lead to slipping and falling which can result in injury or accident.
- **Ensure the power switch is in the OFF position before connecting any battery, or power source to the power tool or machinery.** This can cause injury as tools and machinery can suddenly fire incidentally when live, causing accidents.
- **Use all provided dust collection and extraction attachments, if included.** This equipment, along with the use of PPE dust masks, can help keep you safe from dust inhalation, and keep your work site clear from hazards.
- **Ensure loose parts such as wrenches or adjusting keys are removed before starting the power tool or machinery.**

SAFETY GUIDELINES

Power Tool & Machinery Use & Care

- **Use the correct tool for the job.** Forcing a tool to do a job it was not designed for increases the risk of accident or injury.
- **Disconnect tools and machinery from power, or remove batteries before doing any maintenance or adjustments, or before storing the tools and machinery.** This reduces or removes the risk of a power connection that causes the tool or machinery to accidentally fire, which can help prevent injury or accident.
- **Check the general condition of the power tool for damage or any problems that could affect the way the tool or machine works.** An unrepaired tool or machine can lead to accident and injury. Only have your tool or machine repaired with genuine parts from your local distributor
- **Only use the power tool and machinery with genuine parts or accessories that are designed to be used with this power tool and machinery.** Failure to do so could result in accident or injury, or damage your tool or machinery.
- **Store your tool or machinery out of reach of children, and away from untrained personnel when not in use.** Use by somebody untrained, or a child, could lead to accident or serious injury.

Service

- **Have your tools and machinery serviced by your local distributor with genuine XHD Lithium replacement parts.** This will ensure that the safety of the power tool or machine is maintained.

⚠ WARNING

The warnings and precautions discussed in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Always Use Common Sense

- It is not possible to cover every conceivable situation you can face. Always exercise care and use your common sense. If you get into a situation where you feel unsafe, stop and seek expert advise. Contact your dealer, service agent, or an experienced user. Do not attempt any task you feel unsure of!
- **Do not let familiarity gained from the 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.

SAFETY GUIDELINES

Battery Tool Use & Care

- Prevent unintentional starting. Ensure the switch is in the OFF position before connecting to the battery pack, picking up, or carrying the machine. Carrying the machine with your finger on the switch or energising a machine that has the switch ON invites accidents.
- Disconnect the battery pack from the machine before making any adjustments, changing accessories, or storing the machine. Such preventive safety measures reduce the risk of starting the machine accidentally.
- Recharge the battery only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- Use machines only with specific battery packs. Use of any other battery packs may create a risk of injury and fire.
- When the battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws, or small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush the area with water. If liquid contacts eyes, seek medical help. Liquid ejected from the battery may be acidic and may cause irritation or burns.
- Do not use a battery pack or machine that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion, or risk of injury.
- Do not expose a battery pack or machine to fire or excessive temperature. Exposure to fire or temperature above 130°C may cause explosion.
- Follow all charging instructions and do not charge the battery pack or machine outside of the temperature range specified in the instructions.
- Charging the battery improperly, or at temperatures outside of the specified range may damage the battery and increase the risk of fire.
- Have servicing performed by a local XHD distributor using only identical replacement parts. This will ensure that the safety of the product is maintained.
- Do not modify or attempt to repair the machine or the battery pack except as indicated in the instructions for use and care.

Battery Long Life Tips

- Charge the battery cartridge before it is completely discharged. Always stop tool operation and charge the battery cartridge when you notice less tool power.
- Never recharge a fully charged battery cartridge. Overcharging shortens the battery service life.
- Charge the battery cartridge with room temperature at 10°C – 40°C. Allow a hot battery to cool before charging it.
- Charge the battery cartridge once in every six months if you do not use it for extended periods at a time.

SAFETY GUIDELINES

Pruning Saw Specific Safety

- Always remove the battery before checking or adjusting chain tension, installing the saw chain, clearing faults, or performing maintenance. Remove the battery whenever the machine is not in use.
- 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.
- Keep the saw out of reach of children. This product is not a toy.
- Persons with reduced physical, sensory, or mental capabilities must not use the saw unless supervised by a qualified person responsible for their safety, or unless they have been instructed on safe operation.
- Children and adolescents must not operate the saw. Persons over 16 years of age may use the saw only for training purposes and under the supervision of a qualified person.
- Hold the chain saw by insulated gripping surfaces only, because the saw chain may contact hidden wiring or its own cord. Saw chains contacting a “live” wire may make exposed metal parts of the chain saw “live” and could give the operator an electric shock.
- Observe all warning symbols and safety instructions. These indicate important safety information. Failure to follow these instructions may result in serious injury.
- The saw must only be operated by one person at a time. Ensure that bystanders remain clear of the working area.
- Inspect the saw before each use. Ensure the guide bar and saw chain are in safe operating condition.
- Maintain a stable and secure stance when operating the saw.
- Hold the saw firmly when switching it on.
- Ensure the guide bar and saw chain are clear of the workpiece before starting the saw.
- Keep hands away from the cutting area. Do not reach beneath the workpiece. Contact with the saw chain may cause injury.
- Only bring the saw into contact with the workpiece after the machine has been switched on. Otherwise, kickback may occur if the saw chain catches in the material.
- During cutting, ensure the base plate remains firmly against the workpiece. A jammed saw chain may cause loss of control.
- After completing the cut, switch off the machine and wait until the saw chain has stopped completely before removing it from the cut. This helps prevent kickback.
- Secure the workpiece properly. Do not support the material with your hand or foot. Do not allow the running saw to contact the ground or other objects. Risk of kickback.
- When cutting processed timber or thin branches, use a stable support such as a sawing trestle. Do not stack timber pieces.
- Before cutting logs, ensure they are properly secured.
- When working on sloping ground, position yourself facing uphill.
- Use extra caution when cutting splintered or damaged wood. Loose fragments may be caught by the saw chain and increase the risk of injury.

SAFETY GUIDELINES

- Foreign objects such as nails, screws, metal parts, sand, or stones will increase wear on the guide bar and saw chain.
- A dull saw chain may cause overheating and damage the motor.
- Do not operate a chain saw in a tree, on a ladder, from a rooftop, or any unstable support. Operation of a chain saw in this manner could result in serious personal injury.
- When cutting a limb 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.
- 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.
- 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 saw chain.
- 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.
- Do not attempt to fell a tree. Serious injury could occur to the operator or bystanders while felling a tree.

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 chain saw misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below:

1. 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.

2. 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.

3. Only use replacement guide bars and saw chains specified by the manufacturer. Incorrect replacement guide bars and saw chains may cause chain breakage and/or kickback.

4. Follow the manufacturer's sharpening and maintenance instructions for the saw chain. Decreasing the depth gauge height can lead to increased kickback.

OPERATION

⚠ WARNING

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

Installing or Removing the Battery

- To remove the battery cartridge, slide it from the tool while depressing 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. If you can see the red indicator on the upper side of the button, that means it is not locked completely.



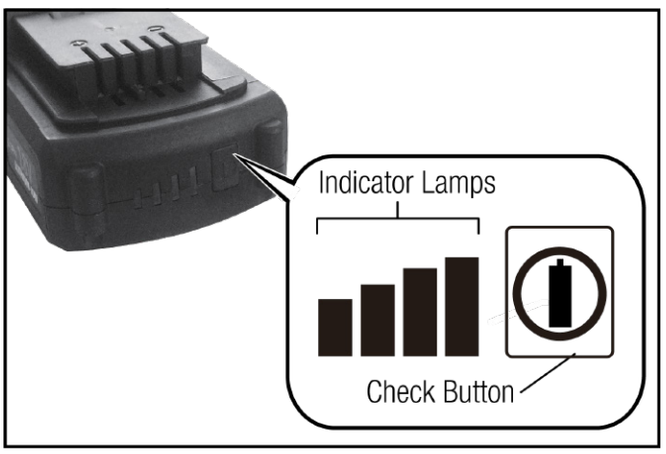
⚠ CAUTION

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

Indicating the Remaining Battery Capacity

- Press the check button on the battery cartridge to indicate the remaining capacity.

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



INDICATOR LAMPS			REMAINING CAPACITY
LIGHTED	OFF	BLINKING	
■	■	■	75% to 100%
■	■	□	50% to 75%
■	□	□	25% to 50%
■	□	□	0% to 25%
◪	□	□	Charge the Battery.
■ ■ ↑ ↓ □ □	□	■	The Battery may have Malfunctioned

OPERATION

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

Over Discharge Protection

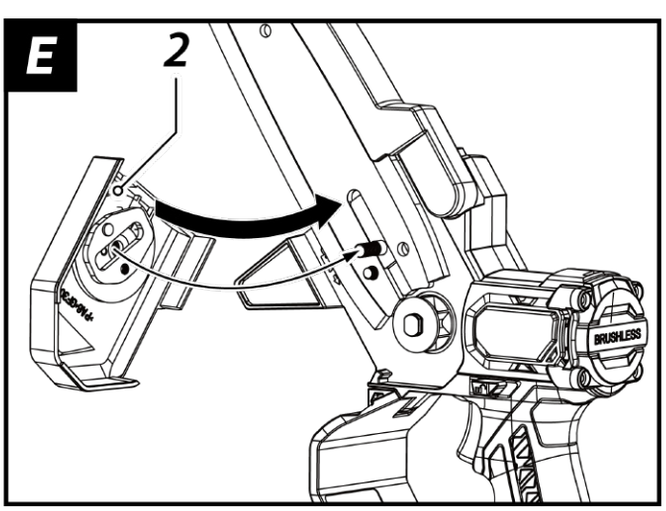
- When the battery capacity is not enough, the tool stops automatically. In this case, remove the battery from the tool and charge the battery.

⚠ 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.

Mounting the Saw Chain

- Unscrew the head screw (14) counter-clockwise to remove the side cover.
- Remove the guide bar (5) from the machine and fit the saw chain around the bar. Ensure the saw chain is installed in the correct running direction. The correct direction is indicated by the saw chain icon on the cover.
- Place the saw chain over the sprocket and reinstall the guide bar onto the chain adjusting screw pin (15).
- Apply chain oil to the saw chain and sprocket using an oiler.
- Lightly tension the saw chain using a chain adjusting screw. Use the adjustment key and turn the screw clockwise to tighten.
- Reinstall the sprocket cover and secure it by tightening the head screw (14) on the housing.



OPERATION

Chain Lubricating Oil

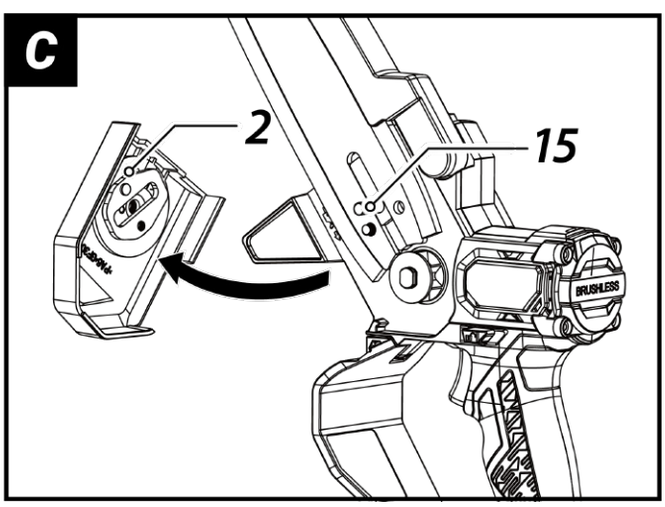
- Use only commercially available biodegradable chain oil.
- Do not use engine oil, waste oil, or other mineral oils.
- If the saw produces a rattling noise, the chain requires lubrication.

Adjusting the Saw Chain Tension

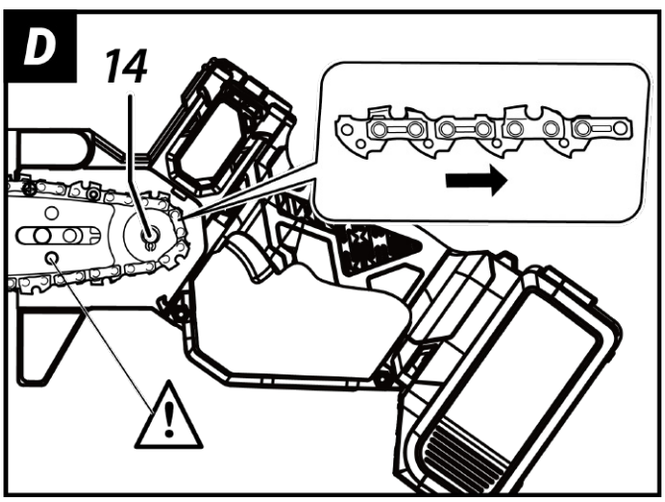
⚠ CAUTION

Do not overtighten the saw chain. Excessive chain tension can cause the chain to break and may lead to premature wear of the guide bar and damage to the sprocket.

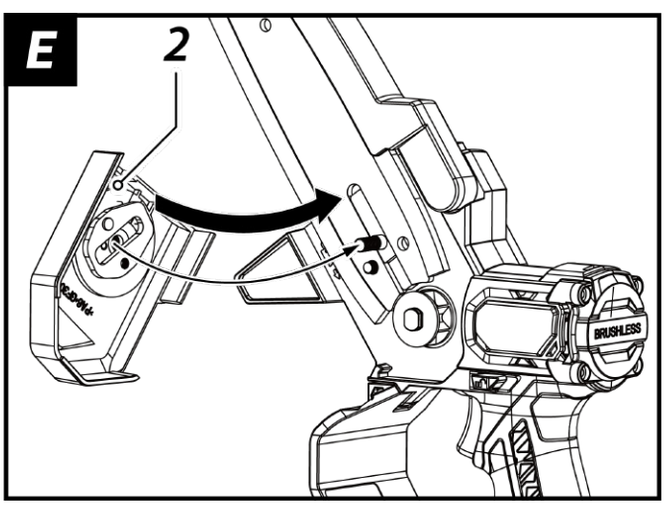
A chain that is too loose may come off the guide bar. The saw chain may also loosen during use, so check the chain tension regularly and always before each use.



- Remove the battery.
- Loosen the head screw (14) slightly to loosen the sprocket cover.
- Adjust the chain tension using the chain adjusting screw. Turn it clockwise to tighten the chain and counter-clockwise to loosen it. Adjust the tension so that the gap between the centre of the underside of the guide bar and the saw chain is approximately 3–4mm.



- Tighten the head screw (14) to secure the sprocket cover.



OPERATION

Switching On & Off

- The use of the saw without lubricating the chain with chain oil will damage the saw chain and the guide bar.
- Insert the battery into the battery recess.
- Hold the saw securely by the handgrip.
- To turn on the saw, first press the safety switch (1).
- Then press the ON/OFF trigger switch (8).
- To turn off the saw, release the ON/OFF switch.

Using a New Saw Chain

- Remove the battery and adjust the chain tension.
- Switch on the saw and allow the motor to run at idle for approximately 5 minutes.
- Remove the battery and check the chain tension again. Re-adjust the tension if necessary.
- For the first 30 minutes of operation, make only light cuts to allow the saw chain to run in. Ensure the saw chain is properly lubricated at all times. Use the saw for heavier cuts only after the running-in period is complete. Always use a sharp saw chain, as a dull chain can jam more easily. Check the chain tension frequently when using a new chain, as it may stretch during initial use.
- The service life of the saw chain depends on proper lubrication and correct tension.
- During operation, the chain will heat up and may require re-tensioning. After use, slightly loosen the chain so it is not overly tight when the machine cools down.
- Do not adjust the tension of a hot saw chain. As the chain cools, it may contract and become too tight. Allow the chain to cool before re-tensioning.
- Correct chain tension is important for safe operation and proper machine performance. A correctly tensioned chain also helps extend the service life of the machine.
- Check the chain tension before each use. The chain is correctly tensioned if it can be pulled around the guide bar by hand (wear protective gloves) without sagging.
- With a new saw chain, recheck and adjust the chain tension after a short period of operation.

Best Use Tips

- Never reach over the pivoting guard (4) or under the base plate (7).
- Do not begin cutting if the saw chain is already in contact with the workpiece, embedded in the material, or may strike an object. This can cause serious injury.
- Secure loose workpieces before cutting. Remove foreign objects such as nails, screws, or other debris.
- When cutting branches under tension, be alert for sudden movement. When the tension in the wood fibres is released, the branch may spring back and strike the operator or cause loss of control.
- Use extreme caution when cutting brush or saplings. Thin material may catch the saw chain, whip toward the operator, or pull the saw off balance.
- When the saw chain is running, first place the base plate (7) firmly against the work-piece and allow the saw to cut at its own pace. Apply only light pressure. Excessive pressure may reduce chain speed.

OPERATION

Changing the Saw Chain

- Only handle the saw chain while wearing protective gloves and with the battery removed.
- Inspect the saw chain and guide bar for damage or signs of wear before use.
- Do not install a new saw chain on a worn guide bar.
- Allow each new saw chain to run in before performing heavier cutting tasks.
- Ensure the saw chain is installed in the correct running direction.

Kickback

- The design of the pivoting guard (4) helps reduce the risk of kickback.
- The pivoting guard with tip protection provides additional protection against kickback.
- Never remove the pivoting guard (4).

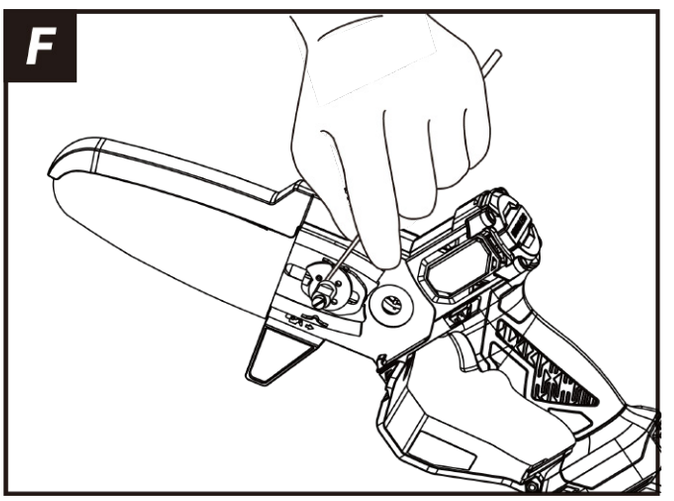
Sharpening the Saw Chain

- Sharpen the saw chain if the sawdust becomes powdery, if increased pressure is required to cut, if straight cuts are no longer possible, or if vibration increases.
- Blunt saw chains must be re-sharpened.
- Use a suitable chain sharpener and maintain a sharpening angle of approximately 30°.
- Alternatively, have the chain professionally sharpened (recommended).
- Replace the saw chain if it is significantly damaged and cannot be restored by sharpening.

Cleaning the Guide Bar

- Thoroughly clean the groove of the guide bar.
- Replace the guide bar if the guide groove is damaged or worn, or if the saw chain has excessive lateral movement.

F



MAINTENANCE

WARNING

Always be sure that the tool is switched off and the battery removed before attempting to perform any inspection or maintenance.

- Compressed air is the most effective way to clean this tool. Always wear PPE safety goggles when cleaning tools with compressed air.
- Ventilation openings and switch levers must be kept clean. DO NOT attempt to clean by inserting pointed objects through openings.
- Do not use harsh chemicals or solvents when cleaning this tool.
- If you discover any damaged or broken parts, consult your local XHD distributor for replacements and advise.

Battery Disposal

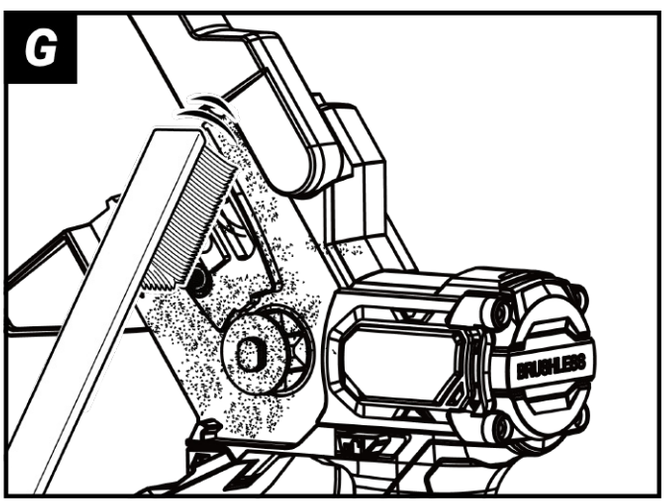
- Batteries and electronics should not be disposed of in household garbage. Please return your old batteries to your local distributor for safe and environmentally friendly disposal.
- Together, we can care for the environment.

Environment & Disposal

- Packaging materials are raw materials and can be re-used. Separate the different packaging materials and take them to the appropriate waste disposal facility. More information can be obtained from your local authorities.

Cleaning & Storage

- For best performance, keep the saw and blade in good working condition. Remove the battery pack before carrying out any adjustments, servicing, or maintenance.
- Clean the sprocket area using a brush or compressed air.



- Use a cloth, paintbrush, or soft brush to remove dust and wood chips. Keep the ventilation slots clean and free from obstructions.
- Clean the pruning saw immediately after each use.
- Ensure that no water enters the saw. Do not allow liquids of any kind to enter the machine.
- Periodically check that all screws are securely tightened.
- Store the saw and its accessories indoors in a dry place, protected from dust, dirt, and extreme temperatures.
- Keep the saw out of reach of children and persons requiring supervision.

TROUBLESHOOTING

FAULT	*POSSIBLE CAUSE*	*SUGGESTED SOLUTION*
Pruning Chainsaw Will Not Work	Battery low in charge	Charge battery.
	Battery not inserted properly	Insert battery packs correctly.
Dry Chain	No oil has been applied	Apply some oil.
Chain or Guide Bar Hot	No oil has been applied	Apply some oil.
	Blunt chain	Sharpen or replace chain.
Pruning Chainsaw Will Not Cut	Blunt chain	Sharpen or replace chain.
	Chain on backwards (chain teeth pointing in the wrong direction)	Remove chain and reinstall with the teeth facing in the correct direction.
	Worn chain	Replace the chain.
Pruning Chainsaw Judders, Vibrates or Does Not Cut Properly	Chain tension too loose	Adjust chain to correct tension.
	Blunt chain	Sharpen or replace chain.
	Worn chain	Replace the chain.
	Chain on backwards (chain teeth pointing in the wrong direction)	Remove chain and reinstall with the teeth facing in the correct direction.