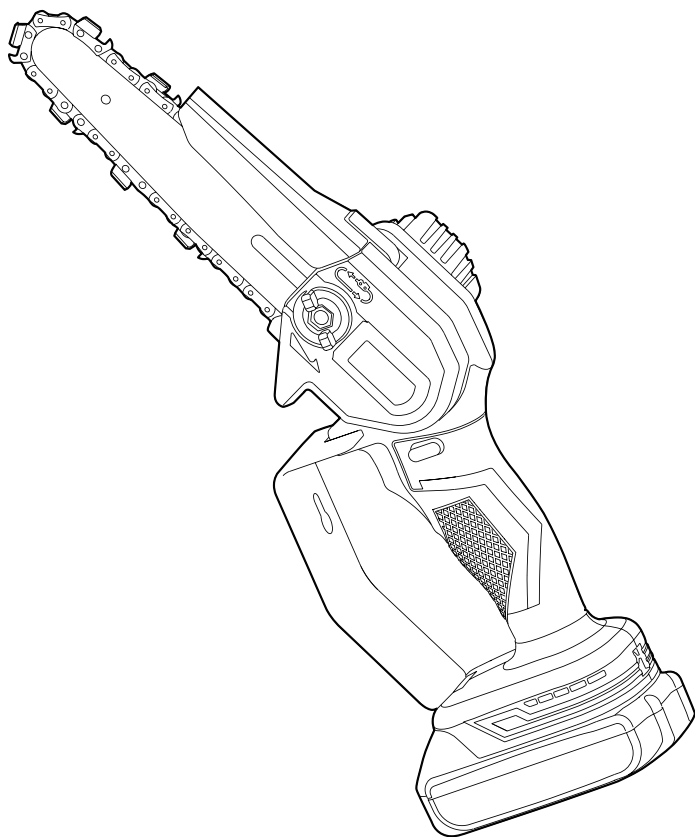


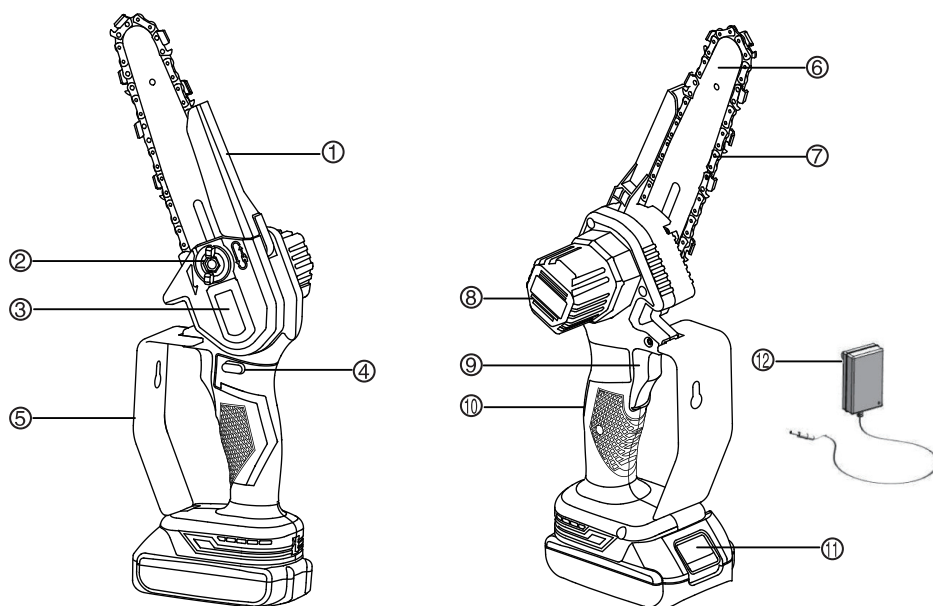
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DCE520-1

20V Lithium Hand Saw



Product Description


















- | | | |
|----------------------------|------------------------------|-------------------------|
| 1. Chain guard | 2. Tensioning knob | 3. Sprocket cover plate |
| 4. Trigger lock | 5. Protective plate | 6. Guide plate |
| 7. Chain | 8. Rear cover of the housing | 9. Switch trigger |
| 10. Left and right handles | 11. Battery pack | 12. Charger |

Technical Specification

Basic Information of the Lithium Hand Saw

Model	DCE520-1
Rated voltage	20V
Charger input voltage	AC220V~50Hz
Guide plate	4"
RPM	3500/min

Illustrated Instructions

	Please read the Instruction Manual carefully
	Please wear protective gloves.
	Please wear goggles.
	Please wear earmuffs.
	Please wear hard, non-slip boots.
	Beware of rebound! Rebound can quickly force the guide plate back toward the operator, causing personal injury.
	Avoid contact between the top of the guide plate and any object.
	Correct chain assembly orientation.
	Do not expose the tool to rain.
	Keep bystanders away.
	Outdoor charging and storage are strictly prohibited.
	Do not expose the battery pack to temperatures above 45°C. Do not charge or store the battery pack at temperatures below 0°C (32°F) or above 50°C.
	Batteries and battery packs should not be disposed of with household waste. To protect natural resources, please properly recycle or dispose of battery packs.
	Stay away from fire.
	Stay away from water.

General safety warning for power tools



Warning! Read all warnings and instructions. Failure to follow the warnings and instructions below may result in electric shock, fire and/or serious injury. All warnings and instructions shall be stored for future reference.

In all the following warnings, the term "power tool" refers to mains-powered (corded) or battery-powered (cordless) power tools.

a) Safety within working areas

- 1) Keep work area clean and well lit, cluttered and dark areas are prone to accidents.
- 2) Do not operate power tools in explosive environments, such as in the presence of flammable liquids, gases or dust. The sparks generated by power tools can ignite dust or gas.
- 3) Do not operate any power tool until children and bystanders leave the work area. Distraction during working may cause the operator to lose control of the power tool.

b) Electrical safety

- 1) The connector plug of power tool must match the corresponding socket. Never modify the plug in any way. Power tools that require grounding cannot use any conversion plugs. Unmodified plugs and matching sockets will reduce the risk of electric shock.
- 2) Protect human body from contact with the grounding surfaces, such as pipes, heat sinks, and refrigerators. The risk of electric shock increases if your body comes into contact with the ground.
- 3) Do not expose power tools to rain or wet conditions, as water entering the power tools increases the risk of electric shock.
- 4) Do not misuse the power cord. Never transport and pull the power tools or remove the plugs with wires. Keep power tools away from heat sources, oil, sharp edges, or moving parts. Damaged or twisted wires can increase the risk of electric shock.
- 5) When using a power tool outdoors, use an extension cord suitable for outdoor use. Cables suitable for outdoor use will reduce the risk of electric shock.
- 6) If operating a power tool in a damp environment is unavoidable, use a Ground Fault Circuit Interrupter (GFCI) to reduce the risk of electric shock.

c) Personal safety

- 1) Stay alert, watch what you are doing and use common sense when operating the 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 protective goggles and safety equipment. Safety equipment such as dust mask, non-slip safety shoes, safety helmets and hearing protection can reduce personal injury under appropriate conditions.
- 3) Avoid accidental starts. Ensure that the switch is in the off-position when connecting the power supply and/or battery case, picking up or transporting tools. Placing your fingers on a switch that has been turned on or inserting the plug while the switch is turned on may cause danger.
- 4) Remove any adjusting keys or wrench before turning the power tool on. A wrench or a key that is left attached to a rotating part of the power tools may result in personal injuries.
- 5) Do not overextend your reach. Keep proper footing and body balance at all times. In this way, the power tool can be well controlled in unexpected situations.
- 6) Dress properly. Do not wear loose clothing or jewelry. Keep hair, clothing and sleeves away from moving parts. Loose clothes, jewelry or long hair can be caught moving parts.
- 7) If devices are provided for the connection of dust extraction and collection facilities, ensure these are well connected and properly used. The use of these devices can reduce the risks caused by chips.
- 8) Do not take it lightly because of familiarity gained from frequent use of tools and ignore tool safety principles. A careless action can cause severe injury within a fraction of a second.

d) Use and precautions of power tools.

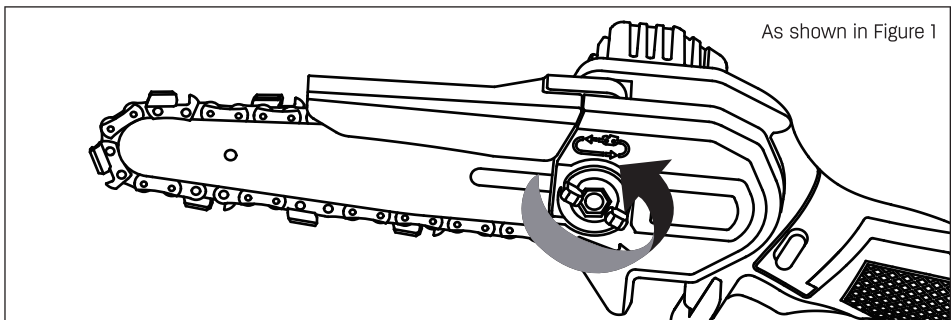
- 1) Do not use the power tool at will. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it is designed.
- 2) Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled through the switch is dangerous and must be repaired.
- 3) Before making any adjustments, changing accessories or storing power tools, the plug must be unplugged from the power supply and/or the battery pack must be removed from the power tools. This protective safety measure reduces the risk of accidental activation of power tools.

- 4) Store unused power tools out of the reach of children and do not allow individuals who are unfamiliar with the power tools or these instructions to operate them. Power tools are dangerous for untrained users.
- 5) Maintain power tool and accessories. Check whether the moving parts are properly adjusted or stuck, check the damage of the parts and other conditions that affect the operation of power tool. If damaged, the power tool should be repaired before use. Many accidents are caused by poorly maintained power tools.
- 6) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to get stuck and are easier to control.
- 7) Select power tools, accessories and tool bits, etc., in the manner specified in instruction manual, taking into account the working conditions and the work to be performed. Using the power tool for operations other than its intended purposes could result in a hazardous situation.
- 8) Keep the handle and the gripping surface dry, clean and free of grease. Slippery handles do not allow for safe handling and control of the tool in unexpected situations.

Install the chain and chain plate

Disconnect the power supply before adjusting the chain tension.

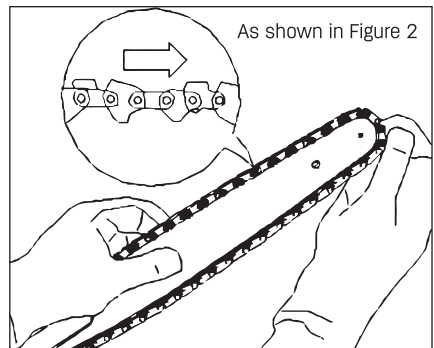
Turn the tension knob counterclockwise (as shown in Figure 1) to remove the sprocket cover from the tool body. If it is a used machine, clean any wood chips and debris from the chain cover to ensure accurate assembly when installing the guide plate and chain in the next step.



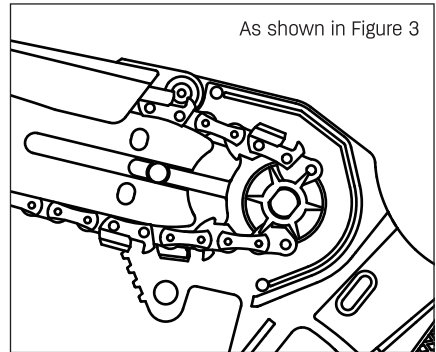
Take out the guide plate and chain and check the cutter teeth of the chain before installing the chain on the guide plate. The cutter teeth need to be installed on the guide plate as shown in Figure 2. After the chain is installed on the guide plate, please place the assembled guide plate and chain vertically, with the guide wheel at the top. Pull the chain around once by hand to check if the sliding is smooth.



Note: After using the tool for a period of time, check the guide plate and chain before each use as described above. If they do not slide smoothly, the guide plate or chain may need replacement or repair.

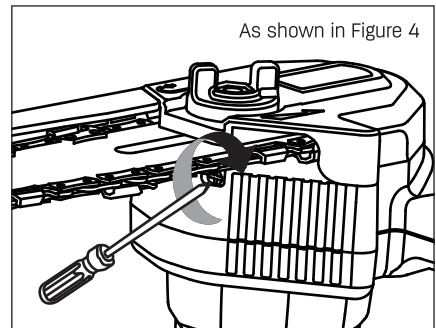


Place the chainsaw on a stable surface. Install the guide bar and chain onto the machine. Make sure all the teeth on the inside of the chain are engaged with the drive sprocket (as shown in Figure 3).

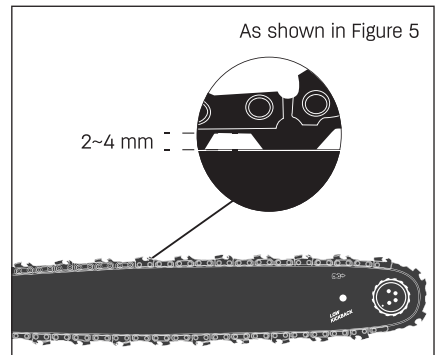


Cover the sprocket with the sprocket cover. When covering it, hold the guide plate and the chain with your hand to prevent the chain from slipping off the sprocket. After screwing in the tensioning knob above the stud, use a cross-head screwdriver to turn the screw clockwise (as shown in Figure 4) to adjust the tightness between the guide plate and the chain. Then, turn the tensioning knob clockwise to press the sprocket cover plate tightly. The installation of the guide plate and chain is completed.

Before using the chainsaw, after the first use and approximately every 10 minutes during regular use, check the tightness of the chain to ensure it is at the appropriate tension.

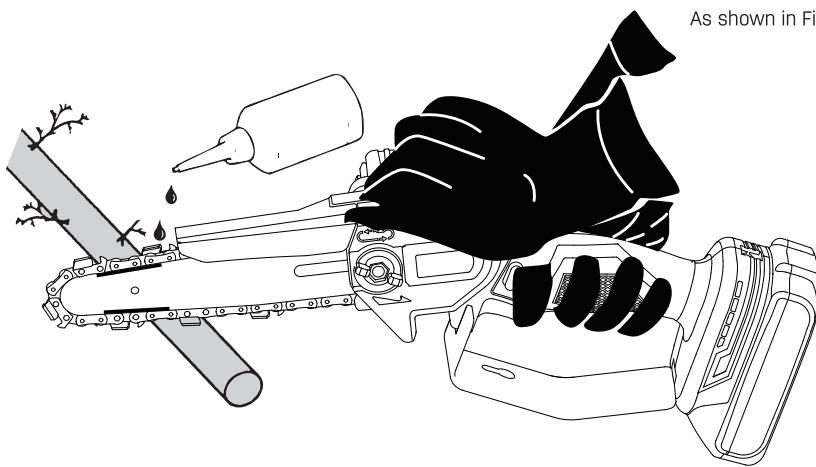


Note: Wear protective gloves, pinch the chain, and move it back and forth to check if the sprocket and chain are properly engaged. Then, turn the adjusting screw clockwise to tighten the chain. The optimal tightness of the chain should be controlled within a distance of 2 to 4mm (as shown in Figure 5).



Use and operate this chainsaw as shown in Figure 6. Lubricate the guide plate and chain with 32# anti-wear oil. Do not operate the tool without lubrication.

As shown in Figure 6



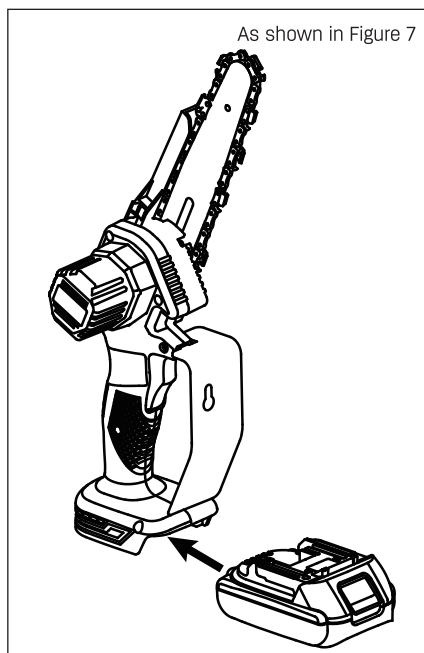
Installing the battery pack

After confirming the battery pack's charge level, align the battery pack's slot with the tool's locking tab and insert it into the tool's battery compartment (as shown in Figure 7). Once inserted correctly, the battery will be locked onto the tool and cannot be pulled out directly. At this point, the battery pack installation is complete.



Note: To prolong the battery pack's lifespan, fully charge it before storing. If the tool is not used for a long time, it is recommended to charge it once every 6 months.

As shown in Figure 7

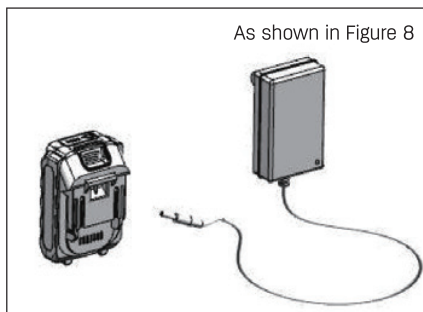


Charging the battery pack

Connect the battery pack to the charger correctly, and then plug the power plug of the charger into the power socket. At this time, the charger's indicator light will turn red, indicating that the tool is charging. When the indicator light turns green, indicating that the charging operation is complete (as shown in Figure 8).



Note: There are numerous types of battery packs and chargers (the illustration shows only one of them).



Safe use of battery packs and chargers

- Use only the charger specified by the manufacturer for charging. There may be a fire hazard when using a charger suitable for a certain battery pack with another battery pack.
- Only use power tools equipped with dedicated battery packs. Using other battery packs may cause injury and fire hazard.
- 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, in order to prevent one end of the battery pack from connecting to the other end. A short circuit at the end of the battery pack may cause combustion or fire.
- If the battery is abused, liquid may splash out of the battery pack; avoid contact with it. If you accidentally come into contact with the liquid, wash the affected area with water. If the liquid gets into eyes, please seek medical assistance. The liquid splashed out of the battery may cause corrosion or fire.
- Do not use damaged or modified battery packs or tools. Damaged or modified battery packs may produce unpredictable results, leading to fire, explosion or injury.
- Do not expose the battery pack to fire or high temperatures. If the battery pack is exposed to fire or high temperatures above 130°C, it may cause an explosion.
- Do not use a damaged or modified battery pack or tool. Damaged or modified batteries may exhibit unpredictable behavior that can lead to the risk of fire, explosion or injury.
- Do not ignite or overheat the battery pack or tools. If the battery pack is exposed to fire or high temperatures above 130°C, it may cause an explosion.
- Please follow all charging instructions, and do not charge the battery pack or power tool beyond the temperature range specified in the instructions. Charging incorrectly or beyond the specified temperature range may damage the battery and increase the risk of fire.

Knowledge of battery pack and charger usage

- The input voltage of the charger is 220V~50Hz.
- No liquid is allowed to enter the charger or battery pack.
- The charger and battery pack must be of the same specification and model as those from the original manufacturing factory.
- Do not use the tool in the rain or in damp environments.
- Do not strike or damage the battery pack, and do not use a battery pack that has been struck or damaged.
- The charger and battery pack will generate heat during the charging process. Please ensure that the working environment of the charger is well-ventilated.
- Keep the charger and battery pack clean.
- The discarded battery pack should not be burned or discarded at will, and should be placed in the designated recycling area.

Repair

- a) Ask the professional maintenance staff to repair the power tools with the same spare parts. This will ensure the safety of the power tools to be repaired.
- b) Never repair a damaged battery pack. The battery pack can only be repaired by the manufacturer or its authorized repair service provider.



Note: Do not cover the tool vent. The tool should be cooled naturally during use.



Product Warranty Card

Dear users :

Thank you for buying our products. In order to ensure your profit, users who buy our products can contact local distributor or Specified repair stations with invoice and warranty cards if the product failures due to quality problems.

Warranty Notice:

1. From _____ (Year/Month/Day) to _____ (Year/Month/Day), If the failure happen in normal use, our company will provide free warranty, parts replacement and other services according to the failure situation.
2. This warranty card and purchase invoice are the voucher of after-sales service provided by our company to customers. The card must be detailed only after filling in the following form and affixing the official seal with the distributor.
3. In one of the following cases, free warranty service will be invalid, and maintenance fees will be required:
 - (1) Exceed the expiration date.
 - (2) Failure or damage caused by not following the requirements of the product manual, maintenance or improper storage.
 - (3) Failure or damage caused by disassembling, repairing or modification of the product without the permission of our company.
 - (4) Machine breakdown or damage caused by force majeure.
 - (5) Consumable accessories.

This card is issued with the product. One card for one machine, to ensure that you can fully enjoy the right to free warranty service provided by the company, please keep this card properly, lost will not be replaced.

Purchase Date: _____ (Year/Month/Day)

Product Certificate

Inspector:

01

Date of manufacture:

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