



Mini Chainsaw Manual

Please read the full text of this manual carefully before operation

After-Sales Services Record

NO.	Date	Location of Maintenance	Boot Cause and Take the Action	Signature by Repair & Maintenance Personnel	Confirmed by Customer
1					
2					
3					
4					
5					

PROFESSION LITHIUM PRUNING SHEARS

Warranty services conditions:

- During the warranty period, the damage caused by performance failure, the factory or seller will be warranty service by free.

Non-Free Warranty services conditions:

- The damage caused by man force, the factory or seller shall not be free warranty services.
- Warranty card and original purchase invoice should be properly kept within product warranty period. No warranty card original purchase invoice shall not be free warranty services.
- External forces (fire, flooding, lightning, etc.).
- Tools which have been dismantled by unauthorized repairers.



Do not cut branches beyond the specified diameter indicated, Don't put the blade out of the branches for cutting. Damaged due to inappropriate usage, The position of broken blade is less than 20mm (from edge to broken side see picture)



Do not cut hard items such as metals, stone or any other non-plant materials, if the blades are worn or damaged, Damaged due to inappropriate usage, the factory or seller will not be warranty service by free.

KEEP CARD

Purchase item Product Number

Purchase date Warranty period

Customer name Phone

Street address

Zip code

Seller stamp
Seller stamp

KEEP CARD

Purchase item Product Number

Purchase date Warranty period

Customer name Phone

Street address

Zip code

Remarks:

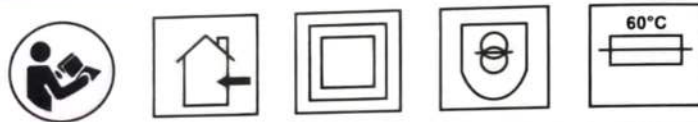
- This warranty card only can be applicable to the product model of the warranty service.
- Dropped in water or man-made damage is not the scope of warranty.
- Please keep this card, Present this warranty card and valid invoice when damaged.
- This card shall be valid from the date when it is signed by the seller.

CASE CONTENTS

1. Battery
2. Charger
3. Electric Pruner
4. Lubricant
5. Toolkit



Product Overview



Note

1. Please read through the manual carefully.
2. Battery can only be charged indoors.
3. Double insulation, grounding not required.
4. Fail-safe transformer charger.
5. Battery charging will automatically cut off when overheating occurs.

Product Description

This product is a battery-driven electric pruning shear, comprises a fixed blade, a movable blade, lithium battery, battery charger, and other components. designed for cutting or orchards, vineyards, etc. Simple and easy to operate, it also has 8-10 times the efficiency of traditional manual pruners. Pruning quality is significantly higher as compared to manual pruners.

Product Components

1. Movable Blade
2. Fixed blade
3. Latch pin
4. Trigger
5. Power Switch
6. Electric Pruning Shear's power input connector
7. LED light indicator
8. Charger output plug
9. Charger AC plug
10. Release button
11. Battery input connector
12. Battery output connector



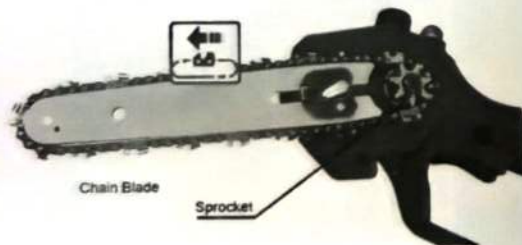
Product Components

1. Movable Blade
2. Fixed blade
3. Latch pin
4. Trigger
5. Power Switch
6. Electric Pruning Shear's power input connector
7. LED light indicator
8. Charger output plug
9. Charger AC plug
10. Release button
11. Battery input connector
12. Battery output connector



How to attach the chain blade

1. Remove the hexagon socket head cap screw on the sprocket cover with a hex wrench and remove the sprocket cover.
2. Set the guide bar on the machine. At this time, align the groove of the guide bar with the bolt of this machine, and the round hole of the guide bar with the tension slide.
3. Paying attention to the direction of the blade, hang the chain blade on the sprocket, and set the chain blade in the groove of the guide bar in order from the sprocket side toward the tip of the guide bar.



4. Set the chain blade near the tip of the guide bar by pulling it in the direction of the arrow as shown in the figure.



5. Temporarily tighten the sprocket cover and this machine with hexagon socket head cap screws so that they can be removed by hand.
6. Adjust the tension of the chain blade. For details on adjusting the chain blade, refer to the item of adjusting the chain blade.
7. After the adjustment is completed, firmly tighten the hexagon socket head cap screw while lifting the tip side of the guide bar.

Hexagon Socket Head Bolt



Professional lithium pruning shears

Tools change lives

TOOLS CHANGE LIVES

PROFESSION LITHIUM PRUNING SHEARS

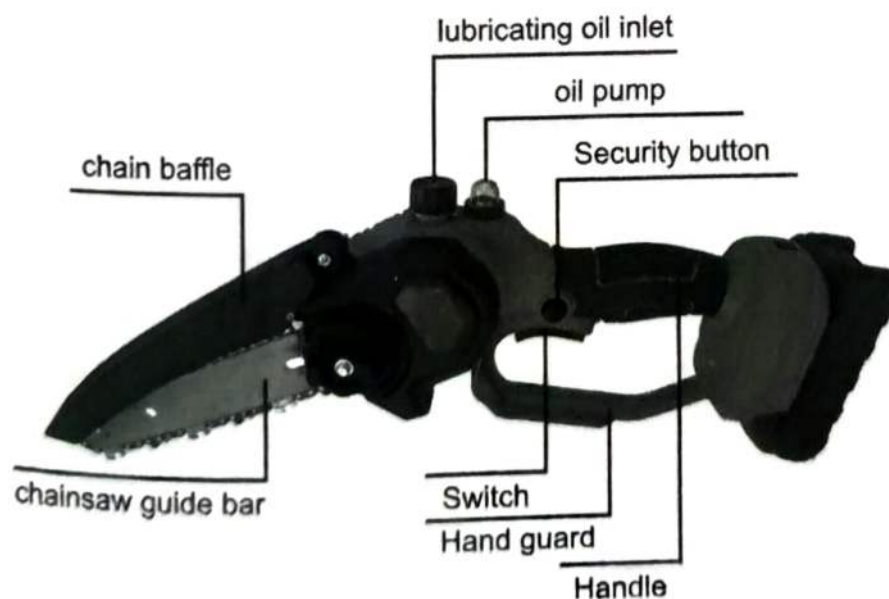


—— Product Using Manual ——

6 Inch machine parameters

Chain speed	5m/s
Voltage	21 V
Battery	Lithium-ion battery
Number of chain links	37 pieces
Guide bar length	150 mm
Input voltage	100 V-240 V
Input frequency	50/60 Hz

The name of each part



Chainsaw safety precautions

1. Do not use or leave this unit in the rain or in a humid place.
2. Make sure to hold the handle during use.
3. Install the chain blade correctly according to the instruction manual.
4. Do not cut at the tip of the guide bar. Also, do not let the tip of the guide bar touch the branches or the ground.
5. During use, the chain blade, guide bars or rotating part, please do not close the hands and face, such as the chip.
6. Do not use in an unstable posture such as climbing a ladder or a tree. Also, do not use it above shoulder height.
7. Accidentally dropped or, when you hit the chain blade, guide bars and this machine to damage or cracks, please often check that is not deformed.
8. Always gloves while working, protective glasses, earplugs, wear protective pants for a chain saw, please wear the footwear is difficult to slip things.
9. Cutting material, please firmly fixed.
10. Guide bar, the attachment of the chain blade, adjusting the automatic lubrication of chain oil to the time, please go after removing the battery.

Battery replacement



To remove the battery from the unit, lower the button on the front of the battery. You can remove it by sliding it.

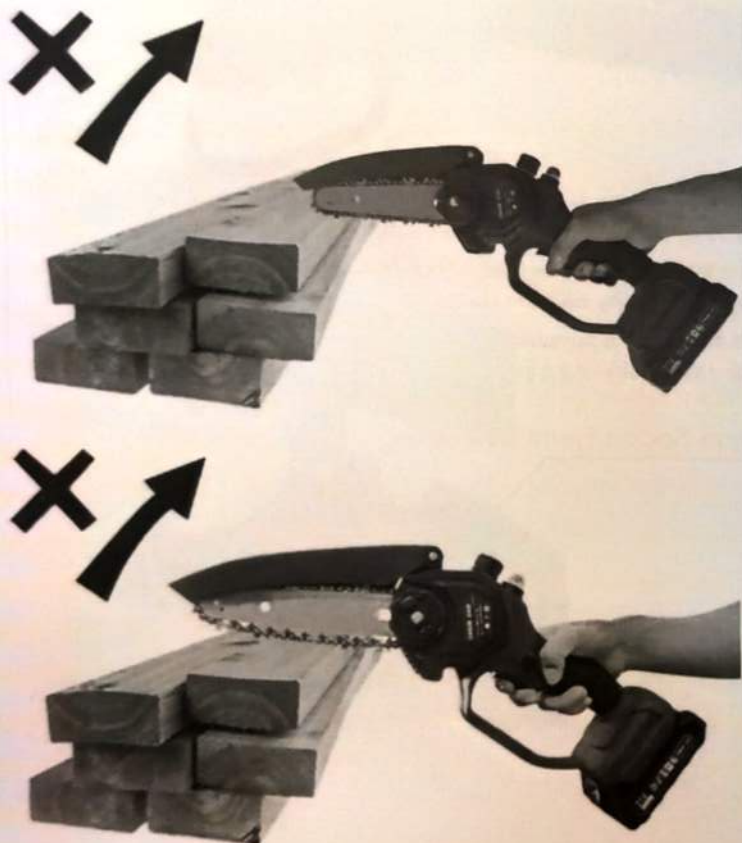
When installing, align it with the groove of this machine and insert it all the way in the reverse order. At this time, if you can see the red part at the top of the button, it is not completely locked. Make sure to insert it all the way until the red part disappears.

About charging

1. Plug the charger's power plug into a power outlet.
2. The charging indicator light turns on "green".
3. Insert the charger terminal all the way into the battery charging port.
4. The charge indicator light turns "red".
5. After the battery is fully charged, the charge indicator light will turn "green" again.
6. Remove the battery and unplug the charger from the power outlet

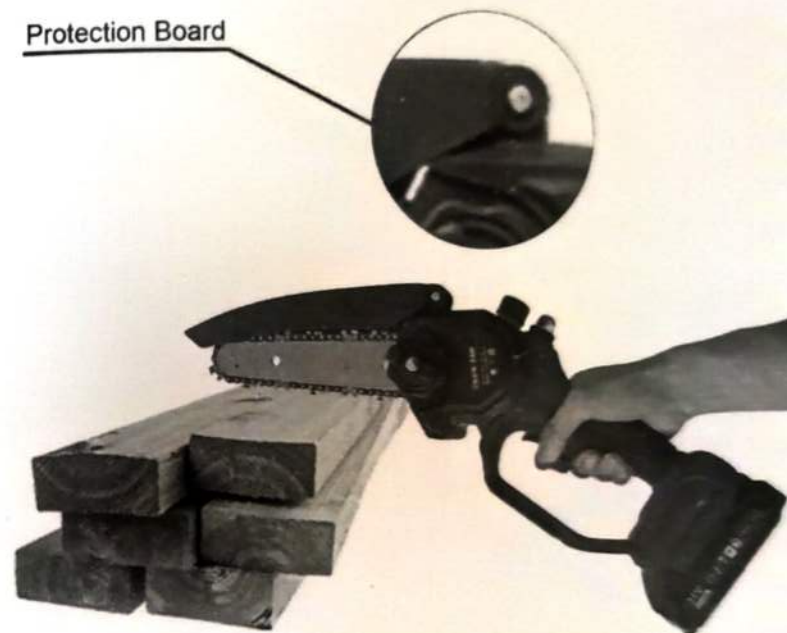
Cutting work

-Move the chain blade away from the wood, turn on the switch, and start cutting after the chain has rotated sufficiently.
-Lightly press the wood / branch against the guide part and push it straight down to cut.
If you cut the front part of the machine against wood / branches, the machine will not be stable.



Correct use

Protection Board



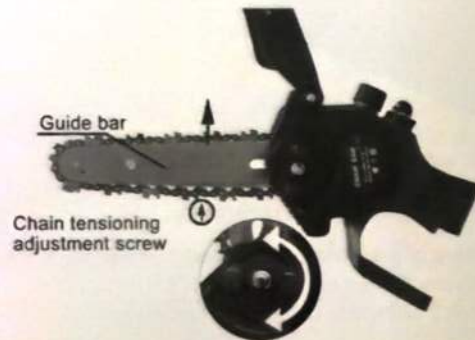
About maintenance and inspection

Caring for this machine

- Wipe clean with a dry cloth or a cloth with a diluted neutral detergent.
- Gasoline, benzene, thinner, alcohol, etc. may cause discoloration, deformation, and cracks.

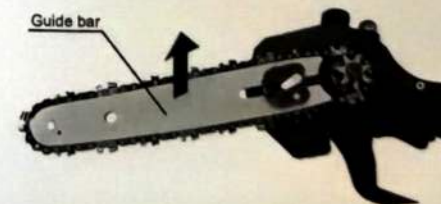
Adjustment of chain blade

1. Loosen the hex socket head cap screw on the sprocket cover slightly with a hex wrench.
2. With the tip of the guide bar lifted lightly, turn the chain tension adjustment screw with a hexagon wrench to adjust the tension until the bottom of the cutter of the chain blade touches the guide bar lightly.
3. With the tip of the guide bar lifted lightly, tighten the hexagon socket head cap screw of the sprocket cover firmly with a hexagon wrench.



How to remove the chain blade

1. Use a hex wrench to turn the chain tension adjustment screw to loosen the chain tension.
2. Remove the hexagon socket head cap screw of the sprocket cover with a hex wrench and remove the sprocket cover.
3. Lift the chain blade and guide bar and remove them from the machine.



3. Before powering ON the pruning shear, ensure all adjusting tools and spanners are removed. Tools left on the rotating parts of pruning shear may result injury.
4. Do not over stretch hands when operating the pruning shear, keep both hands away from cutting area. Do not under any circumstances place the hands beneath the branches, at the same ensure the surface and under-side of the branches do not have any material that can be damage by cutting edges. Always maintain balance and in control of pruning shear in any situation.
5. Dress appropriately, do not wear loose clothing or jewelry. Keep hair, clothing and sleeves away from the pruning shear. Loose clothing, access-ories and long hair may be entangled with the moving parts of the tool.

Irregularity Measures

1. In the event the pruning shear is not able to cut through an object, released the trigger immediately and the moving blade will return to its open position automatically.
2. In the event the pruning shear is cutting through a branch of particularly hardness, released the trigger immediately and the moving blade will return to its open position automatically.
3. In the event the battery is not charging properly, please check if the charger is the one provided with the package during purchase. Next is to ensure the supply voltage to the charger is same rating as the specification of the charger
4. In the event of electric or mechanical malfunction, power OFF immediately.
5. Operating not following instructions in this manual may result battery fluid leakage, do not contact the leaked battery fluid. In the event of accidental contact with battery fluid, clean with clear water immediately. If the battery fluid keeps in contact with the eyes, wash with clear water and must seek hospital assistance. Fluid from leaked battery may caused irritations or burns.

Service

Should you have any questions regarding the pruning shears, please contact us immediately (contact information is on the cover). Our professionals will resolve the problems for you, and our qualified engineers will repair your electric pruning shears.

Disclaimer

Our company Limited reserves the right to make any design and manufacturing changes deemed necessary to improve on the performance. Thank you your understanding. If there are differences between the physical tool and the graphics as well as texts in this manual, take the physical item as the most accurate.

Product qualification sheet

Product Item

Product Number

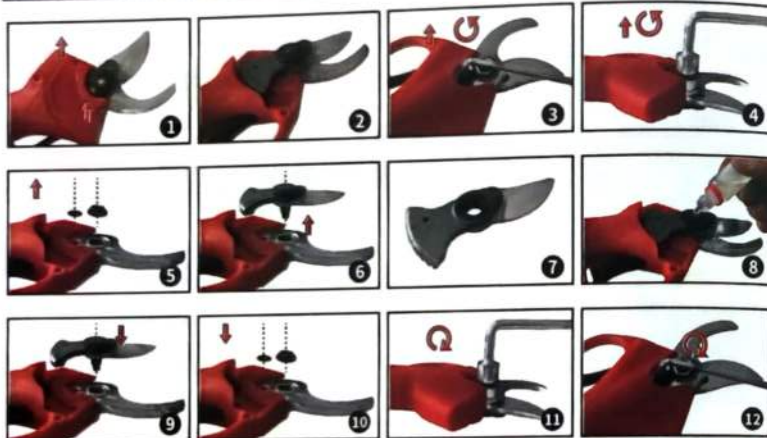
Inspector

- (Operating voltage)
- (Charging voltage)
- (Lithium battery)
- (The final interpretation of this product belongs to the company.)

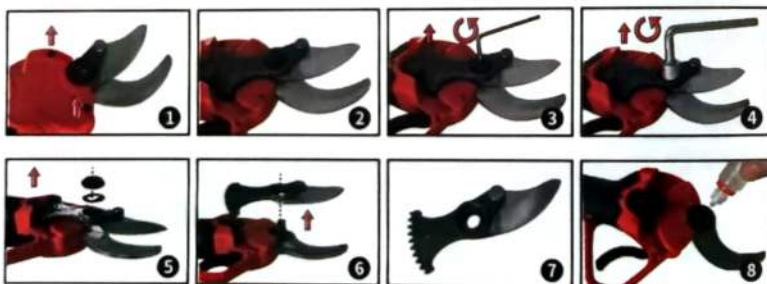
(All pictures in this manual are for reference only and actual product may different. Besides, the information contained here in is subject to change without notice.)

4. Remove the blade, Replace the blade " ⑦ "
5. If necessary, clean around the pinion (warning: do not use chemicals).
6. Fit the new blade on the pruning shears.
7. Fit resistance washer then screw and adjust the tightness of locked screw nut until the tool clicks.
8. Fit elastomer washer on screw and tighten it.
9. If necessary, lubricate the blade teeth using graphite grease " ⑧ "
10. Fit cover on the pruning shears and screw both screws.

25MM Pruning shears



30MM Pruning shears



Cleaning and disinfecting the cutting head

The cutting head can be cleaned to remove any residue (sap, etc.). To do this, we recommend using our products ecological spray can reference. It is also possible to disinfect the cutting head to prevent any diseases spreading on the wood. To do this, we recommend avoiding the use of corrosive products that could damage the device. Don't hesitate to contact us so that we can assist you in selecting your products.

Operations and Maintenance



When the device is running, always keep your hands away from the cutting head.

Operations and Maintenance for Pruner

1. Do not cut branches beyond the specified diameter indicated, do not cut hard items such as metal, stone or anyother non-plant materials. If the blades are worn or damaged, please replace the blades.
2. Keep the pruner clean, use a clean cloth to clean the pruner , battery and charger (do not use any abrasive or solvent base cleaning agent) ,use a soft brush to clean the dust off the pruner head.
3. Do not immerse the pruner, battery or charger in any liquid.
4. Follow instructions as given for proper use of the pruner, do not use the pruner when itself, battery or charger is damaged.
5. Do not use the pruner if it could not operate or shut down properly, send for servicing immediately. It is dangerous to use the pruner when the tool could not operate or shut down properly.
6. Please ensure the power pruner is powered OFF during any adjustment, changing accessories or storage. This protective measure aims to reduce the risk of accidental pruner activation.
7. Please ensure the blades are closed when not in use, storage of the pruner must keep out of reach from CHILDREN , do not allow any person who is not familiar with the pruner operation or instruction to use the pruner, it is dangerous to use the pruner without proper training and understanding.

Product Components

1. Movable Blade
2. Fixed blade
3. Latch pin
4. Trigger
5. Power Switch
6. Electric Pruning Shear's power input connector
7. LED light indicator
8. Charger output plug
9. Charger AC plug
10. Release button
11. Battery input connector
12. Battery output connector



Precaution For Use

Precautions before use

Before starting the working day, make sure the battery is sufficiently charged. Always disconnect the pruning shears from the power cord for all operations other than trimming. **MOST IMPORTANTLY, REMEMBER TO DO SO WHEN SHARPENING OR LUBRICATING.** Check that the blade is correctly tightened every morning (see page 16).

Operation

1. Insert the battery into the power connector of the pruner.
2. Switch ON the power switch of the pruner. Due to the first time usage that the LED display indicator will be green and the buzzer will buzz for 2 times.
3. Double click the trigger, the pruner blades will automatically open.
4. **Normal pruning:** press trigger to close the blades and release the trigger to open blades.
Blade closure: continue to press the trigger, a continual buzz means the blade will stay closed.
5. Before operation, in order to see if the pruner functions well, please press the trigger to close and release the trigger to open the blades without cutting anything. Repeat this for few times.



Failure Tips

Buzzer Sound Frequency Times	Failure	Solution Method
1	battery capacity failure	check if battery capacity is low
2	communication failure	check if every part of cable connector is loose
3	blade failure	oil on blade (see P16)
4	motor phase loss	send it to local dealer for maintenance
5	motor phase line short-circuit	check if cable or head of the connector has short-circuit caused
6	control box failure	send it to local dealer for maintenance

Packing up

1. Press the trigger and hold for a few seconds and then release, the blade will close and will not open.
2. Disconnect the power cord from battery.
3. Tidy up, clean up and pack the pruner into the tool box.

Charging the battery

It is recommended to charge new battery before the first use of the electric pruner. Plug the battery charger output into the battery charging jack then plug the charger into a power socket. The LED indicator on the battery will turn RED during charging and turn GREEN when the battery is fully charged. The battery takes about 5-6 hours to attain full charge. A fully charged battery can sustain 8-10 hours of continuous pruning operation.



Cautions

1. During charging, it is normal for the charger and battery to be warm.
2. If the battery is not used for a long period of time, it is recommended to charge the battery once every 3 months, this is to ensure the battery life is not affected by low usage.
3. For new battery or battery unused for a long time, it will need about 5 charge-discharge cycles before achieving full capacity.
4. Do not recharge a fully charged battery just after a few minutes of usage, this will reduce the battery lifespan and efficiency.
5. Do not use a damaged battery and disassemble the charger or battery.
6. Do not place battery near high temperature heat source, the battery will explode in fire or long exposure to high temperature heat source.
7. Do not charge the battery in outdoor or humid environment.
8. It is normal for the pruning shear to reduce cutting diameter when the battery capacity is getting low.
9. Do not use the pruning shear during charging. It must be disconnected from the battery during charging.
10. Do not store the battery in a humid environment.

Lubrication

⚠ For all these operations you must disconnect the pruning shears.

Lubricate at least twice per day (early morning and early afternoon). For correct lubrication the pruning shear blade must be unlocked. To do this:

1. There is an oil filling port at the reverse of the pruner, take out the cotton.
2. Place the oil bottle nozzle in the lubricating port. Hold the oil bottle upright and then lubricate.
3. Once lubrication is complete, plug the cotton.
4. Operate the pruner, make the lubrication is well-proportioned.



Blade tightening



For all these operations you must disconnect the pruning shears.

Check the blade tightening every morning. A well tightened blade should not move from left to right. If the blade is correctly tightened you should be able to close the pruning shears manually (without forcing).

To adjust the tightness:

1. unlock the screw " ① " and remove it " ② "
2. Use internal hexagonal wrench provided and adjust the nut tension until the tool clicks.
3. Lock the bolt and then check the tightness using the above procedure.

25MM Pruning shears



30MM Pruning shears



Note: It is possible to have a slight movement in the direction of blade closure. This movement is normal and may be caused by the gap between the rack and pinion teeth.

Change the blade



For all these operations you must disconnect the pruning shears.

1. Using the phillips head tip on the tool, unscrew the two screws and remove cover " ① "
2. Using the other tip of the special tool, remove screw and the elastomer washer " ③ "
3. Again using the special tool, remove locked screw nut " ④ " and remove resistance washer.

CONTENT

Warning	1
Environmental Protection	1
Case Contents	1
Product Overview	2
Note	2
Product Description	2
Technical Specifications	3
Product Components	3
Precaution For Use	5
Operation	5
Failure tips	5
Packing up	5
Charging the battery	6
Cautions	6
Lubrications and	6
blade tightening	7
Changing the blade	7
Operations and Maintenance	9
Operations and Maintenance for Pruner	9
Operations and Maintenance for Battery	9
Safety Notes	10
Work area safety	10
Electrical safety	10
Personal safety	11
Irregularity Measures	11
Service	12
Disclaimer	12

Dear Customer, thank you for choosing our products! In order to better use of the product, it is imperative to read this manual in its entirety, and retain this manual for future reference. Should any irregularity happened during operations, please contact us immediately, our professionals will answer

Warning



WARNING! Read safety warnings and instructions. Failure to heed warnings and follow instructions may lead to an electric shock, a fire and/or serious injury.

Retain all warnings and instructions for future reference.

ENVIRONMENTAL PROTECTION



Follow all country-specific waste disposal rules and regulations.
Electric appliances must not be disposed of as household waste.
Recycle the device, accessories and packaging



It is forbidden to discard scrapped machinery and equipment at will.

CASE CONTENTS

1. Battery
2. Charger
3. Electric Pruner
4. Lubricant
5. Toolkit



CASE CONTENTS

1. Battery
2. Charger
3. Electric Pruner
4. Lubricant
5. Toolkit

