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WARNING

Before operation, carefully read the product manual and store it for future reference.



WARNING

Please read all safety warnings and instructions carefully.

Failure to follow these warnings and instructions can result in electric shock, fire or other serious injury
Please read all safety and instructions carefully. Please keep all notices and instructions for future reference.

The company reserves the right to make technical improvements to the product described here without giving any notice; photos and texts of the product in this manual are for reference only and may not reflect the actual product.

B Safety warnings for chain saws - General and specific safety warnings



Read the instructions

Failure to follow these warnings and instructions can result in electric shock, fire or other serious injury.

Please keep all notices and instructions for future reference.

B.1 General warnings on the safety of machines - Safety of the work area

- a) **Keep the workspace clean and well lit.**
Untidy or dark areas can cause accidents.
- b) **Do not use power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dusts.**
Power tools create sparks that can ignite dust or vapors.
- c) **Keep children and passers-by away during chain saw operation.**
Distractions can cause loss of control

B.2 General warnings of the safety of machines - Electrical safety

- a) **The plugs of the battery charger must match the socket. Never modify the plug in any way. Do not use adapters with power tools connected to the ground.**
Unmodified plugs and corresponding sockets will reduce the risk of electric shock.
- b) **Do not expose either the chain saw or the battery charger to rain or humidity.**
The ingress of water will increase the risk of electric shock.
- c) **Do not abuse the power cord. Never use the cable to carry, pull or disconnect the battery charger. Keep the cable away from heat, oil, sharp edges or moving parts.**
Damaged or entangled cables increase the risk of electric shock.

B.3 General warnings on the safety of machines - Personal safety

- a) **Remain vigilant, pay attention to the activity in progress and use common sense when using a chainsaw. Do not use a chainsaw if you are tired or under the influence of drugs, alcohol or medications.**
A moment of inattention while operating a chainsaw can cause serious danger.
- b) **Use personal protective equipment. Always wear eye protection.**
Protective devices such as a dust mask, safety shoes, helmet, hearing protection etc used appropriately will reduce dangerous situations.
- c) **To prevent accidental start-up, make sure you haven't unlocked the safety switch**
Transporting the chain saw with your finger on the start trigger can cause accidents.
- d) **Remove all adjustment keys and British keys before turning on the chain saw**
Any tool on the rotating parts of the chain saw can cause personal injury.
- e) **Don't stretch your arms too long. Always pay attention to the support point and the balance of the body, so that the electric tool can be well controlled in case of accidents.**
This allows better control of the tool in unexpected situations.
- f) **Dress properly. Do not wear clothing or loose jewelry. Keep your hair and clothes away from moving parts.**
Loose clothing, jewelry or long hair can be caught in moving parts
- g) **Don't let your familiarity with frequent use allow you to become superficial and ignore the safety principles of chain saw.**
Inattentive action can cause serious injury within a fraction of a second.

B.4 General Chainsaw Safety Warnings - Use and precautions of chain saw

- a) **Disconnect the plug from the power source and/or remove the battery pack,**

if detachable, from the power supply before making any adjustments, changing accessories or storing power tools.

These preventive safety measures reduce the risk of accidentally starting the tool

- b) **Keep inactive power tools out of the reach of children and do not allow people who are not familiar with the power supply or these instructions to use it.**

Power tools are dangerous in the hands of untrained users.

- c) **Keep the chain saw and its accessories in good condition. Periodically check for misalignment or blocking of moving parts, breakage and any other conditions that may affect safe operation. If damaged, make sure that the chain saw is repaired before use.**

Many accidents are caused by poorly maintained power tools.

- d) **Keep cutting tools sharp and clean.**

Properly maintained cutting tools with sharp cutting edges are less likely to get caught/framed and are easier to control.

- e) **Use the chain saw and accessories in accordance with these instructions, taking into account the working conditions and the work to be performed.**

Use for operations other than those intended for could lead to a dangerous situation.

- f) **Keep handles and grip surfaces dry, clean and oil and grease-free.**

Slippery handles and grip surfaces that do not allow safe chain saw handling and control can cause unexpected and dangerous situations

B.5 General Chainsaw Safety Warnings - Service

- a) **Have qualified personnel perform repairs using only original spare parts.**

C Safety warnings for chain saws - General warnings

- a) **Keep all parts of the body away from the saw chain when the chain saw is running. Before starting, make sure that the saw chain is free and does not touch any foreign object.**

A moment of inattention during the use of chain saws can cause clothes or body to become entangled with the saw chain

- b) **Always hold the chain saw with your right hand on the back handle and your left hand on the front handle.**

Holding the chain saw with an inverted hand configuration increases the risk of danger changes and should never be done.

- c) **Wear eye protection. Additional protection devices for hearing, head, hands, legs and feet are recommended.**

Appropriate protective equipment will reduce danger situations deriving from flying debris or accidental contact with the saw chain.

- d) **Do not operate a chainsaw while balancing on a tree, ladder, roof or unstable support.**

The operation of a chain saw operated under conditions of precarious equilibrium could cause serious hazards.

- e) **Operate the chain saw only when standing on a fixed, safe and flat surface.**

Slippery or unstable surfaces can cause a loss of balance or chain saw control.

- f) **When cutting a branch that is in tension, pay attention to the spring effect of the branch.**

When tension in the wood fibers is released, the branch behaves like a loaded spring and can hit the operator and/or bring the chain saw out of control.

- g) **Be extremely careful when cutting hedges, shrubs and saplings.**

The thin material can be inserted into the chain link and hit the user

- h) **Carry the chain saw off, with the battery disconnected and away from the body holding it for the front handle.**

When transporting or storing the chainsaw, always attach the guide bar cover. Proper handling of the chainsaw will reduce the likelihood of accidental contact with the moving saw chain.

- i) **Follow the instructions to lubricate, tension the chain, change the bar and chain.**

The improperly stretched or lubricated chain can break and/or increase the chances of kickback.

- j) **The chain saw is intended for cutting timber. Do not use the chain saw for any purpose that is not intended. For example: do not use chain saw for cutting building materials in metal, plastic, masonry or non-wood.**
The use of the chain saw for operations other than expected could lead to a dangerous situation.
- k) **This chain saw is not intended for felling trees.**
The use of the chain saw for operations other than those expected could cause serious injury to the operator or bystanders.

D Warnings on the safety of the chain saw - Risk of kickback and preventive measures for the operator

The kickback is the result of improper use of the chain saw and/or incorrect operating procedures or conditions and can be avoided by taking the necessary precautions as follows:

- a) **Keep a firm grip, with thumbs and fingers surrounding the chain saw handles, with both hands on the saw and position your body and arm to allow you to resist kickback forces.**
The kickback forces can be controlled by the operator, if the necessary precautions are taken. Don't let go of the chain saw.
- b) **Do not lift the chain saw and do not cut above the shoulder height.**
This avoids inadvertent tip contact and allows better chain saw control in unexpected situations.
- c) **Use only replacement bars and chains specified by the manufacturer**
Incorrect replacement bars and saw chains can cause chain breakage and/or kickback.
- d) **Follow the manufacturer's instructions for sharpening and maintaining the chain.**
Incorrect sharpening can make the use of the chain saw unsafe.

E Chain Saw Safety Alerts - Safety Alerts for Battery Powered Machines

- a) **Perform all ordinary maintenance, cleaning and removal of jammed material, with the battery pack removed. Store the chain saw with the battery removed.**
Unexpected operation of the chain saw during the removal of jammed material or maintenance can cause serious danger situations.

F About this manual

F.1 Using the manual

This manual has been prepared by the Manufacturer and forms an integral part of the equipment.

The information contained in the manual is addressed to the personnel in charge of use (user) and maintenance. The manual must be used by:

- User
- Transport officers;
- Qualified maintenance personnel;
- Qualified demolition and disposal personnel.

F.2 Structure of the manual

This manual is divided into chapters. Each chapter can in turn be divided into paragraphs.

On the bottom margin, lower right, each page shows the page number.

In addition to chapters and paragraphs, the manual also provides visual details (images) representative details (figurines or labels).

F.3 Conservation of the manual

This manual shall be kept with care throughout the life of the chain saw; this term of life shall be defined from the date of purchase to the date of disposal.

This manual must follow the chain saw even if it is sold to third parties.

The manual must always be kept by the user, in a dry place and in places where it can be accessible and easily consulted by the user.

F.4 Reproduction of the manual

Reproduction of this manual shall be strictly prohibited unless expressly requested from the manufacturer. The courtesy copy must be requested in written form indicating the revision in the bottom right

G Symbols

The symbols shown below are used in this manual and are present on the chain saw. Please understand its meaning before using the chain saw.

	Read the instruction manual		Do not expose to rain
	Disconnect the plug in time once the battery charger power cord is damaged or cut.		WARNING/Danger
	Wear safety glasses		Wear suitable protective clothing
	Wear noise protection		Wear safety and non-slip footwear
	Chain saw running direction		Lubricate
	Do not dispose of as ordinary waste		Risk of kickback
	Keep away from the fire		Keep away from moisture
	Protecting the respiratory tract		Protect your head
	Protect your hands		

H Expected use



The use of the chain saw, battery pack or battery charger outside the intended and reasonably predictable limits of use described in this manual can cause dangerous situations and material damage.

Any use not expressly provided for in this manual is strictly prohibited in order to avoid damaging the chain saw and causing danger.

The chain saw can be used for sawdust or pruning of branches and cutting of trees of small diameter of gardens and orchards (maximum allowed due to the size of the bar).

The chain saw is designed for use by adults, do not use in case of rain or to work on plants or wet bushes.

It is provided for use with two hands thanks to the double handle and therefore allows you to work safely.

The manufacturer is not responsible for damage due to failure to comply with the instructions in this manual.



Do not use the chain saw to cut down trees with diameters greater than those allowed.

- a) The maximum permissible diameter of the trunk or branch to be cut is equal to the length of the bar.
 - b) For information about the length of the bar, see J.2.
-

H.1 User skills and competences



The user must not use or access the chain saw, battery pack or battery charger before having read and understood this manual.

Make sure that the user has the skills and competences necessary for a correct and safe use of the chain saw.

Users who use the chain saw for the first time must first practice using it on trestles, in non-dangerous conditions.

When using the chain saw or battery pack and battery charger, the user must:

- a) Be an adult.
 - b) Be in unchanged psycho-physical conditions. The user must use the chainsaw under the influence of alcohol, medicine or drugs.
 - c) Have read and understood the instruction manual.
 - d) Be trained and informed about the operation of the chain saw, the meaning of the pictograms present and the residual risks. If the user does not have the necessary training and information, he may use the chain saw only under the guidance and supervision of responsible personnel who possess the required characteristics.
-

H.2 Safety and personal protection



CLOTHING



WARNING

Use appropriate clothing when using the chain saw
Improper clothing can be entangled in branches, affecting the work of the chain saw.

Do not wear loose and/or fluttering clothes or accessories.

- a) Keep clothes, gloves and hair away from all moving parts. Loose clothing, accessories or long hair can get into moving parts.

It is suggested:

1. to wear tight and tight clothes.
2. not to wear scarves, jewels and other accessories that flutter or that could get stuck or entangled.



EYE PROTECTION



WARNING

When the chain saw is in operation there may be debris and/or sawdust that is projected.

Wear glasses when operating



PROTECTION OF THE RESPIRATORY TRACT AND ALLERGIES

Dust and sawdust can reduce the user's respiratory capacity and / or allergic reactions.
It is recommended to wear face protection



HEAD PROTECTION



WARNING

Falling objects from high altitude can cause head injuries.



ANTI-CUTTING PROTECTION OF THE LIMBS



Contact with the rotating chain can result in serious injury

The user must wear trousers or leg protectors with a degree of cutting protection suitable for the speed of the chain saw.



ANTI-CUTTING PROTECTION OF THE LIMBS



Contact with the rotating chain can result in serious injury

The user must wear protective gloves.



NON-SLIP FOOTWEAR



In the event of slipping while using the chain saw, it can cause serious hazard

Improper shoes can cause slippage or fall. The user must wear footwear suitable for the terrain in which he will operate.

H.3 Conditions of safe use of the chain saw



The chain saw is safe if it meets the following conditions

- a) The chain is not damaged.
- b) The chain saw is clean and dry.
- c) The handle is intact.
- d) The trigger switch works normally.
- e) The lubricating oil supply system is normal.
- f) The depth of the tooth groove between the sprocket and the chain must not exceed 0.5 mm.
- g) The assembly of the bar and chain is in line with the instructions in this document.
- h) The bar and chain are well assembled.
- i) The chain is normally tight.
- j) Only the original accessories are used.
- k) Accessories are assembled normally.
- l) The oil cap is closed.

 **WARNING**

If the product no longer meets the safety requirements, serious or fatal injuries may occur.

- a) Use only an intact chain saw. Clean and dry a dirty or wet chain saw before use.
- b) If the control system is not working properly, stop using the chain saw.
- c) Use only accessories supplied as standard or authorized by the manufacturer
- d) Install the bar and chain according to the manual.

H.4 Bar safety instructions

 **WARNING**

**If the bar meets the following conditions, the bar is safe to use.
If the bar is not in a safe state, it does not fit the chain well. The chain can jump out of the bar and can cause serious or fatal injuries.**

- a) The bar is not deformed or incomplete.
- b) The depth of the bar groove does not show any noticeable changes.
- c) The groove of the bar is smooth without smudging.
- d) There is no narrowing or cracking in the bar groove.
- e) Use only the undamaged bar.
- f) If the bar groove is below the minimum depth, replace it.

H.5 Chain safety instructions

 **WARNING**

If the chain does not meet the following requirements, the chain is not to be considered safe and cannot be used.

- a) The chain is not damaged.
- b) The cutting edges of the cutting heads are sharpened.
- c) The notch depth of the cutting edges of the cutting heads satisfies the description.
- d) The length of the cutting head cutting edges meets the grinding requirements.
- e) Do not use a damaged chain.
- f) The grinding of the chain cutting heads must be subject to the criteria of the manual.
- g) Please contact the distributor on time if you have any questions.

H.6 Precautions concerning to batteries and battery charger

 **WARNING**

**Chain saw uses lithium-ion battery (Li-ION)
The use of non-original battery packs and battery chargers not approved by the manufacturer can cause fires or explosions that can cause danger and material damage.**

The original batteries bear the logo of the manufacturer of the chain saw;

- a) The battery charger is designed for use indoors. Charging operations must be carried out inside.
- b) Do not use battery charger other than the original one or an authorized spare part

- c) Do not clean the battery charger with the battery connected to avoid damage resulting from the risk of electric shock
- d) Do not expose batteries to the sun or very bright light. Do not place in contact with hot surfaces, it may cause the battery to explode.
- e) Let the battery cool completely before charging it
- f) Do not disassemble or damage the battery to avoid personal injury

H.7 Correct use of battery charger

- a) Always check the cable and plug before each use. If damaged go to the service center for repair or replacement. Do not use damaged chargers. Do not try to repair damaged battery chargers to keep the tool safe.
- b) Keep the battery charger clean, away from humid environments and rain. Do not use the charger outdoors, dirt and water can cause damage to the charger and personal injury.
- c) The charger is designed for use with the original batteries, otherwise it can cause fire or explosion risk.
- d) Do not use damaged chargers to reduce the risk of injury.
- e) Do not use the charger on flammable surfaces
- f) The battery is not fully charged on first use, it must be recharged for 3-4 hours before first use.
- g) The charging time is 3-4 hours (charging time for 2 fully discharged batteries), do not charge the batteries too long to avoid damaging them.
- h) The battery charger has two connectors; you can recharge both batteries supplied in the kit at the same time. The charging time is proportional to the number of batteries connected and to the state of their charge. Monitor the charging time using the LED indicator, red light in charge, green light at the end of the charge

I Noise and vibration emissions

I.1 Noise emissions

The sound pressure level weighted $A L_{pA}$ does not exceed 70 dB(A).

A-weighted sound power level when the L_{pA} -weighted sound pressure level does not exceed 80 dB(A);

The C-weighted instantaneous sound pressure *value* L_{pCpeak} , does not exceed 63 Pa (130 dB compared to 20 μ Pa).

I.2 Recommendation for hearing protection.



If the noise emissions exceed the above limits, use the appropriate protective equipment.

I.3 Vibration

The total vibration value does not exceed 2.5 m/s^2 .



The vibration emission during the actual use of the chain saw may differ from the declared total value depending on how the tool is used;

Safety measures must be identified to protect the user that are based on an estimate of the exposure in the actual conditions of use, taking into account all the parts of the operating cycle such as the times when the tool is switched off and when it is inactive beyond at the starting time.

J Description of the chain saw

J.1 Description of the supply kit

The supply kit includes

No.1 plastic case (contains the other parts described below)

No.1 chain saw;

No.1 battery charger;

No.2 21V-4.0Ah batteries;

No.1 battery charger;

No.1 handle (to be assembled);

No.1 tool kit for maintenance by the operator

No.1 instruction manual (here)

J.2 Technical specifications of the chain saw

Chain saw		
1	Maximum cutting diameter	160 mm
2	Nominal voltage	DC21V
3	Nominal power	600W
4	Bar length	20 cm - 8"
5	Chain speed	0~18m/s
6	Specify Chain	1/4' - 47 links
7	Chain voltage adjustment	Manual
8	Lubrication	Automatic
9	Motor	Brushless
10	Chainsaw size	48x12x12 cm
11	Display view	Battery charger and hours of work
12	Weight without battery	1.4 kg
13	Weight with battery	1.9 Kg
Lithium-ion battery (Li-ion)		
1	Capacity	4.0Ah
2	Voltage	21V
3	Power	84Wh
4	Single battery medium autonomy	2-3 hours
5	Weight of batteries	0.5 kg
Battery charger		
1	Nominal voltage	100-240V AC.50-60Hz
2	Charging time	3-4 hours

The manufacturer reserves the right to modify the specifications without notice.

Specifications and battery packs may vary depending on the country of destination.

J.3 Product details and accessories

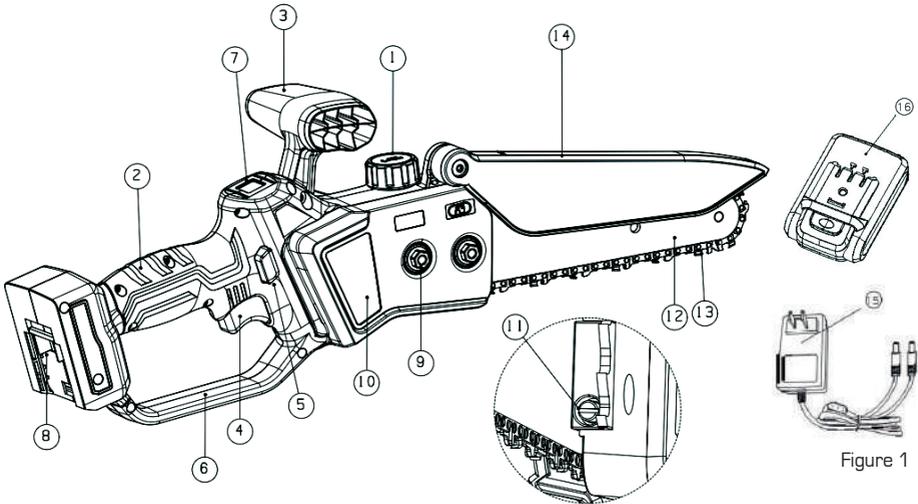


Figure 1

1	Oil cap	9	Blocking nut
2	Right hand handle	10	Sprocket protection plate
3	Left hand handle	11	Chain voltage adjustment screw
4	Trigger	12	Bar
5	Safety switch	13	Chain
6	Hand protection	14	Chain protection
7	Display	15	Battery charger
8	Battery seat	16	Battery

K Initial assembly



Before carrying out any operation, remove the batteries.

Batteries should only be inserted as much as the chain saw is fully and perfectly assembled

Check that the chain saw and battery are clean and dry

- a) Assemble the particular left hand handle n.1 by fixing it with the particular screw n.2. refer to Figure 2

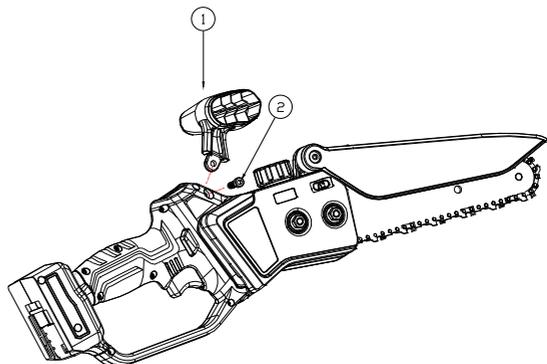


Figure 2

- b) Check the tension of the particular chain #13 (Figure 1), if too slow or too tight proceed with the adjustment as specified in paragraph Q.4
- c) Fill the oil tank as specified in paragraph Q.6
- d) Verify that both of the # 9 Lock Nuts (Figure 1) are properly tightened
- e) Insert the battery by aligning the particular battery pack # 1 (Figure 3), with the slot at the base of the chainsaw handle and insert it until the battery pack is locked and clicks; to remove the battery, press the red button and, holding it down, slide the battery out of the slot.

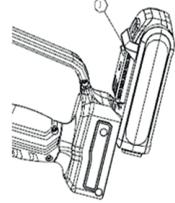


Figure 3

L Preliminary checks for use of the chain saw



The following steps must be performed with the battery disconnected
If you do not understand the pre-use control operations, please do not use the chain saw and contact the distributor.

L.1 Items to be inspected before use

Check to see if the following items are in good working order before use:

- a. Main unit of the chain saw
- b. Chain sprocket
- c. Oil pumping unit
- d. Bar
- e. Chain
- f. Battery pack
- g. Battery charger

L.2 Inspection of the sprocket and bar

- a) Turn off the chain saw and remove the batteries
- b) Remove the sprocket protection cover, unscrew the two nuts # 9 and remove the sprocket protection plate # 10 (Figure 1)
- c) Remove the bar and chain, measure the depth of the sprocket groove using a depth gauge. (Figure 4). If the groove depth exceeds 0.5mm, do not use the chain saw and contact your distributor to replace the chain sprocket as soon as possible. If you are unable to measure, please contact your distributor for verification.
- d) Measure the depth of the bar groove; if the groove depth is less than 1.1mm, if the bar is damaged or the groove is deformed, replace the bar in order not to damage the chain and the chainsaw (Figure 5). If you are unable to measure, please contact your distributor for verification.
- e) Please contact the distributor on time, if you have any questions.

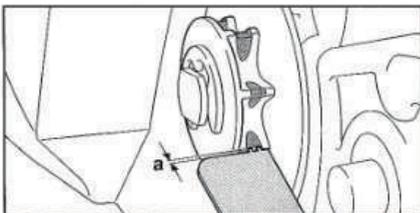


Figure 4

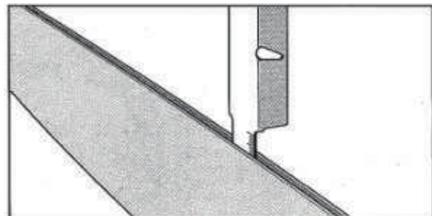
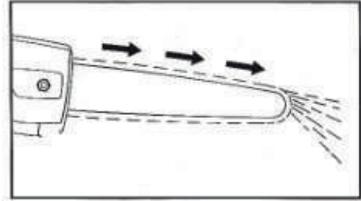


Figure 5

L.3 Inspection of the oil pumping system

- a) Start the chain saw and check if there are traces of oil on the ground below
- b) If there are no traces of oil top up the oil tank. If you see no traces of oil with the full tank, contact the service center. Do not use the chain saw without oil; chain oil is indispensable



L.4 Check the battery pack and charge

- a) Battery pack must be fully charged (see paragraph below)
- b) Do not use battery packs that show damage such as casing breaks, cracks, etc.

M Battery charging

M.1 Precautions for battery charging



Do not expose the battery to extreme conditions such as excessively high or low temperatures or shocks.

Loss of material from the battery can cause injury



Disconnect the battery from the chain saw before starting charging.
Make sure the battery is dry and clean before starting charging.

The battery is not fully charged on purchase, recharge it 3-4 hours before using it the first time.

Check the remaining charge on the display before charging the battery.
The battery must be replaced if the duration becomes insufficient; use only original batteries supplied by the manufacturer.

Respect the safety and environmental protection guidelines during each phase.

M.2 Battery charging procedure

- a) Recharge indoors, at a temperature between + 10 °C and 22 °C
- b) The battery charger with 2 connectors allows you to recharge the two batteries supplied at the same time
- c) Be sure to use only the original charger or an authorized spare part.
- d) Connect the charger plug to the power outlet and the charger connector to the battery, the LED indicator on the battery charger becomes RED during charging and GREEN when the battery is fully charged; do not keep the battery connected longer than necessary as it could be damaged.

N Start-up procedures



Check the tool before starting work and check that the safety switch is working properly.

The chain must stop when the trigger is released.
Do not use the chain saw in case of a switch malfunction.

! WARNING

Please make sure that no children or other people are seen within 15 meters of the workplace and pay attention to the fact that there are animals around.
The chain and guide plate must not be in contact with objects when starting the chain saw.

If you do not understand the pre-use control operations, please do not use the chain saw and contact the distributor.

- a) Securely grab the chain saw with both hands
- b) Press the safety switch with your thumb to unlock the trigger and then pull the trigger to start the tool
- c) With the start of the tool, the display lights up with the indications shown in Figure 6

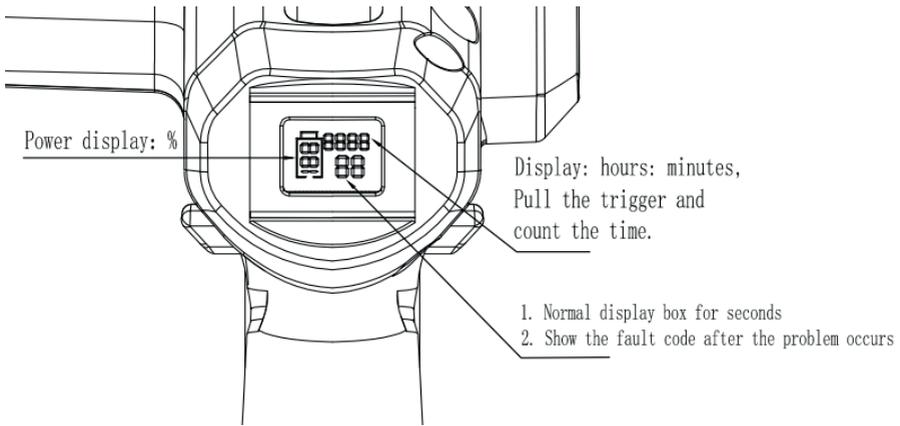


Figure 6

	State	Display
Battery indicator	Low battery	Battery flashes fast (display 0%)
	Battery charge less than 25%	Battery flashes slow (display % battery)
	Battery charge higher than 25%	The battery is bright and steady (display % battery)
Error code displayed	Error type	Display
E2	Over/under voltage fault	Slow flashing
E3	Startup error	Slow flashing
E3	Overcurrent error	Quick flashing
E5	NTC open/short circuit fault	Slow flashing
E6	MOS tube over temperature fault	Slow flashing

Note: If the above defect is unclear, please contact the after-sales service

0 Cutting instructions and precautions



This chain saw is not intended for felling trees, cutting branches and logs on the ground

0.1 Precautions for cutting



In some specific cases, the operator may not focus on the work and this may result in dangerous situations

- a) Always work calmly and in a planned manner.
 - b) Do not use the chain saw in low visibility or dark environments.
 - c) Do not use the chain saw above shoulder height.
 - d) When using the chain saw, take a stable and safe position. For high-altitude operations, use suitable work equipment.
-



The saw chain becomes warmer and longer and may jump out of the guide plate and break if not effectively cooled and stretched and this can cause serious injury and material damage.

- a) Make sure the chain lubrication system is working properly
 - b) Check if the saw chain is stretched correctly during operation. If the saw chain is loose, adjust it as indicated in this manual (paragraph Q4)
 - c) If the chain saw has anomalies it may be in an unsafe state that can cause serious danger situations. Stop work and contact the distributor.
-



The chain saw vibrates when in operation

- a) Please wear gloves.
 - b) Take breaks
 - c) If you have any pathologies, consult your doctor.
-



If the saw chain touches a hard object sparks will be generated, this can result in dangerous situations

- a) Do not use the chain saw in environments with a risk of fire or explosion.
 - b) Sparks can cause eye injuries: use appropriate protections.
-

! WARNING

The chain saw will continue to work for a while after the trigger is released, this can cause serious injury

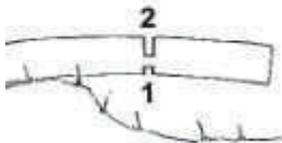
- a) Wait for the saw chain to stop completely.
-

! WARNING

When the tree to be cut is under tension, the bar could get stuck and the operator losing control of the chain saw, this can cause serious injury and danger.

Use appropriate cutting procedures to prevent chain locking.

- a) First make a lightening cut [1] on the pressure side, then a parting cut [2] on the traction side.



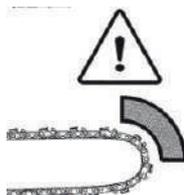
- b) Always keep the chainsaw at maximum speed
c) Do not cut using the end of the bar
d) Keep the bar vertical
e) Constantly check that lubrication is working properly
f) As the chain saw moves from one branch to be cut to another, release the trigger to have the chain stopped
g) After use remove the chain saw battery
h) If unused for 10 minutes, the chainsaw display automatically turns off

0.2 Kickback during cutting

! WARNING

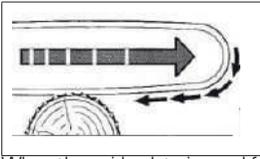
If the chain is blocked during cutting by a maneuver error, the kickback could make the operator lose his grip unexpectedly and cause serious injury

- a) Operators using the chain saw for the first time must first perform the necessary cutting exercises using an easel
b) Securely grab the chain saw with both hands in the appropriate grip positions.
c) Dose the speed of the saw appropriately
d) The chainsaw can bounce if it suddenly touches something too hard or if the bar gets stuck or suddenly stops
e) The chain saw can bounce if the tip of the bar is touched
f) You should not rely solely on the safety devices built into the saw. In order to use a chain saw correctly, the user should adopt appropriate working procedures.

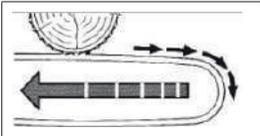


0.3 Warning for cutting from top to bottom and bottom to top

When the guide plate is used for cutting from top to bottom, the direction of rotation of the chainsaw is opposite to that of the operator.



When the guide plate is used for a cut from bottom to top, the thrust direction of the chain saw is towards the operator.



0.4 Precautions for pruning/adjusting a tree



Inexperienced people are forbidden to approach the cutting area otherwise dangerous situations and material damage may occur.

Branches or other objects falling from above can cause serious danger situations or material damage. Make sure that spectators, children and animals are not within an area of 2.5 times the length of the tree you are working on.

- a) Judge the fall direction of the branch so that it does not create accidents.
- b) Remove obstacles on site.
- c) Place the chain on the branches to be cut and/or prune to cut with the top.
- d) Activate the chain at maximum speed
- e) To cut branches under tension that could have a spring effect first cut a small opening on the non-tension side and then cut the tension side.

P Operating environment requirements - Surrounding safety requirements



Spectators, children and other animals who are not aware of sawdust or other debris flying out of the chain saw may be exposed to threats. Spectators, children and animals could be seriously injured.

- a) Please keep spectators, children and animals away from the work area.



The chain saw is not waterproof; Do not use the chain saw in rain, in a humid environment or on wet branches

- a) Use is allowed for temperatures between 0°C and 45°C.
- b) During use, keep the chain saw temperature between 0°C and 60°C.

 **WARNING**

The chain saw motor can produce sparks that can cause fires or explosions in the environment with combustible or explosive materials.

- a) Do not use the chain saw in an environment with combustible or explosive materials.

P.1 Operation of the chain saw with one hand

 **WARNING**

With one-hand grip, chain saw control is less secure.
In the event of a kickback, control may be more difficult.
Hold the chain mark from the handle.

Q Instructions for cleaning, ordinary maintenance, non-ordinary maintenance and repairs

 **WARNING**

Only the maintenance and repair work listed in this chapter can be done by the user.
The user is prohibited from performing interventions other than those explicit in this chapter. Contact the manufacturer or an authorized repair center.

 **WARNING**

The user can get hurt while maintaining the chain saw. In particular, the user can touch the sharp edges of the chain with his hand when cleaning the chain saw or chain.

- a) Please wear protective gloves during work.



 **WARNING**

During cleaning, maintenance and repair, the chain saw can accidentally start if the battery pack is not disconnected.

- a) Turn off the chain saw and remove the batteries.
b) Do not spray the tool with water and do not immerse it, it can cause a short circuit inside the tool

Q.1 Chain saw cleaning

 **WARNING**

Keep chain saw grips clean to promote a solid and secure grip.
Dirty handles can promote loss of control of the chainsaw.

Using a cloth to clean the tool, corrosive cleaners, high pressure cleaning equipment or sharp cleaning tools can damage the chain saw, guide plate, chain, battery pack or battery charger.

If the chain saw, guide plate, chain, battery pack and battery charger are not cleaned properly, the parts involved do not work as they should and serious injuries may occur.

Clean the chain saw, guide plate, chain, battery pack and charger according to the manual.

- a) Turn off the chain saw and remove the battery
- b) Clean the body of the chain saw with a damp cloth.
- c) Remove the sprocket protection plate.
- d) Clean the surrounding area of the sprocket and the body with a damp cloth
- e) Remove the bar and chain as described in paragraph Q.3
- f) Clean the oil outlet (1), oil inlet (2) and back groove of the bar (3) with a soft brush (Figure 7)

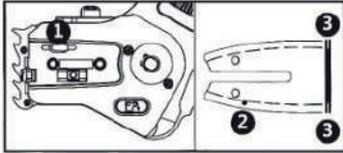


Figure 7

- g) Clean the chain with a soft brush.
- h) Install the bar and chain as described in paragraph Q.5

Q.2 Ordinary maintenance

Ordinary maintenance, cleaning, lubrication and replacement of the chain and/or bar require disassembly and assembly of the chainsaw. These maintenances can be carried out directly by the user of the chain saw.

- a) Disassembly of the chain and bar
- b) Chain tension
- c) Replacing the chain and bar
- d) Supply of chain oil
- e) Bar maintenance
- f) Sharpening of the chain

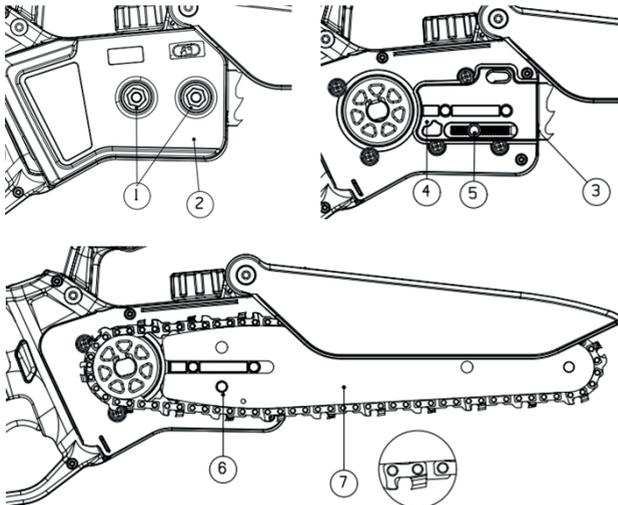


Figura 8

Q.3 Disassembly of the chain and bar

- a) Disconnect the battery from the chain saw
- b) Turn the nuts (1) counterclockwise and remove the sprocket protection plate (2)
- c) Unscrew the tension adjustment bolt (3) to loosen the chain (Figure 8)
- d) Remove the chain and bar

Q.4 Adjusting the chain tension

When the chain saw works, the chain overheats and may stretch. If necessary, adjust the chain tightness as specified.

- a) Turn off the chain saw and remove the battery.
- b) Turn the nuts (1) counterclockwise and remove the sprocket protection plate (2) (Figure 8)
- c) Screw in the tension adjustment bolt (3) to increase the chain tension or unscrew to decrease the chain tension (Figure 8)
- d) Using protective gloves, pull down the chain and make sure that the chain's guide meshes are still visible half the height at the bottom of the bar.
- e) If by pulling down the chain the links of the chain are totally visible or if they are not visible at all, it means that the tension is not correct and the adjustment must be repeated
- f) Place the sprocket protection plate (2) and screw the lock nuts (1) (Figure 8)

Q.5 Replacing the chain and bar

The parameters and specifications of the bar chain and the chain wheel are listed in the technical specifications of the chain saw in paragraph J2.

- a) Turn off the chain saw and remove the battery
- b) Turn the nuts (1) counterclockwise and remove the sprocket protection plate (2) (Figure 8)
- c) Adjust the tension adjustment bolt (3), put the bar on the chainsaw body (4), and insert the bar fixing column (5) into the fixing hole (6) on the bar (Figure 8)

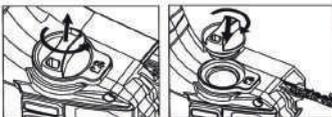
It is possible to use the front and back of the bar.

- d) Insert the chain into the bar groove and reference the arrow on the sprocket protection plate for the correct direction of the chain.
- e) Place the sprocket protection plate (2) and screw the lock nuts (1)

Q.6 Filling the chain oil

The chain saw is equipped with an automatic oil pump that allows you to keep the chain lubricated and cooled. To fill the oil tank, follow the instructions below:

- a) Turn off the chain saw and remove the battery.
- b) Place the chain saw in a horizontal point with the oil filling spout facing upwards.
- c) Clean the oil cap, tank and surrounding environment with a damp cloth.
- d) Turn the top of the cap counterclockwise until it can be removed.
- e) Remove the cap.
- f) Fill up to the appropriate level to avoid overflow.
- g) Close the tank by screwing the cap clockwise firmly.



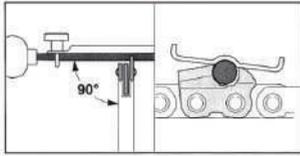
Q.7 Bar maintenance

If there are burrs on the edge of the bar groove, please polish it in time.

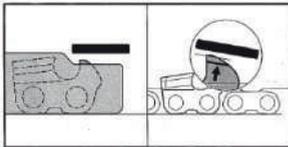
If you have any questions, please contact the distributor on time.

Q.8 Sharpening of the chain

- a) Turn off the chain saw and remove the battery.
- b) Use a special round to sharpen the chain.



- c) Be sure to sharpen only in the forward rotation direction of the chain and do not touch the saw blade when pulled back.
- d) Sharpen the saw blade first: the height will be used as the reference size for the other blades in the chain.
- e) The round must adapt to the pitch of the chain.
- f) The round works on the cutter heads from the inside out.
- g) Sharpen in one direction based on the angle of the cutter head.
- h) Do not change the corner of the head.



Please contact the distributor on time if you have any questions.

Q.9 Non-ordinary repairs and maintenance



The following maintenance cannot be performed by the user.

Only the manufacturer or an authorized service center may carry out non-ordinary repairs and maintenance.

Q.10 Addresses of authorized centers

For information on the address of the nearest authorized service center, please contact the reseller or manufacturer.

Q.11 Non-ordinary maintenance

- a) Chain repair and sprocket



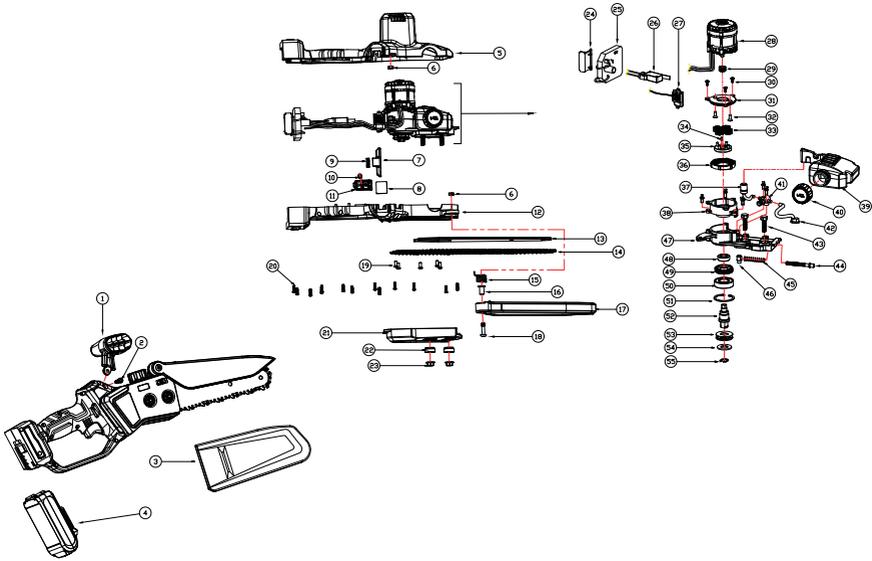
Sand the chain sprocket is damaged or defective please do not use this chain saw and contact the dispenser to replace it on time.

- b) Replacing the battery charger power cord



If the cable is damaged, do not use the battery charger and replace it with an original spare part or an authorized spare part.

R Exploded drawing



no.	List of parties	no.	List of parties
1	Left hand handle	29	Motor planetary gear
2	Left hand handle assembly screw	30	M3XL6 rounded head screw
3	Bar case	31	Cover of gear box
4	Battery 21V-4.0Ah	32	ST3.5 self-tapping screw
5	Upper handle	33	Planetary gears
6	Hexagonal nut M5	34	Pin
7	Safety switch	35	Output panel
8	Display panel	36	Internal toothed crown
9	Spring for safety switch	37	Oil inlet tube
10	Trigger spring	38	Electric motor housing
11	Trigger	39	Oil tank
12	Lower handle	40	Oil tank cap
13	Chain bar	41	Oil pump
14	Chain	42	Oil outlet pipe
15	Torsion spring	43	Hexanal bolt
16	Iron sleeve	44	Screw chain plate adjustment
17	Chain protection cover	45	Spring
18	Screw M5*L20	46	Adjustment nut
19	M4XL18 rounded head screw	47	Bar holder with tensioner
20	Self-tapping screw	48	699 bearing
21	Sprocket cover plate	49	Oil pump turbine
22	Plate screw seal	50	6002RS bearing
23	M6 flanged nut	51	Siger
24	Battery connector	52	Spindle
25	Chain saw control board	53	Sprocket
26	Contact switch	54	Sprocket gasket
27	LCD backlight display	55	Siger
28	Motor	56	Charger

S Storage



Store batteries at least 1.5mt. from enhanced heat sources



Batteries must be stored with care.

Store batteries with a residual charge of no less than 20% of the total.

If unused for long periods, the battery must be recharged periodically (at least every 4 months) to preserve its functionality.

Improper storage will void the warranty

The chain saw must be taken to an appropriate collection center.

- If the chain saw is not used for a long time, remove the battery and store it separately as follows
- Store batteries in a dry environment
- Recharge the battery completely before storage and periodically check the charging status
- Follow the following provisions for storing batteries for long periods of unnecessary use

Less than 1 month	-20°C; +60°C
Less than 6 months	-10°C; +35°C
Less than a year	0°C; +30°C

T Disposal



Chain saw is not a household waste so it must be disposed of correctly



Do not dispose of the batteries in the environment and do not set them on fire.

Follow the specific disposal regulations



During the collection phase, these batteries could detach from the equipment that somehow protects them and therefore be damaged and / or short-circuit and catch fire.

- The chain saw must be delivered to an appropriate collection center.
- Follow the provisions in force in the country where the chain saw is used.
- The user must remove the battery before bringing to the WEEE
- Dispose of the chainsaw, batteries, battery charger and case separately.
- Remove the battery from the chain saw before giving it to the collection center.
- Protect battery poles to prevent short circuit

U Warranty

The warranty covers 12 months from the date of purchase and covers mechanical parts including batteries, battery charger, engine and transmission mechanism.

The buyer must keep a copy of the sales document (tax receipt or invoice); a copy of the sales document must be delivered to the authorized dealer or repairer together with the machine to be repaired.

The warranty is not valid in the following cases:

- a) Abnormal use of chain saw
- b) Maintenance not performed in the manner indicated in this manual or performed by unqualified persons
- c) Chain saw modifications
- d) Damage to the chain saw even if caused by mistake
- e) Natural events
- f) Failure to charge the battery as often as required
- g) Components subject to wear during normal use such as the chain and bar are excluded from warranty

V Troubleshooting

PROBLEM	POSSIBLE CAUSES	SOLUTIONS
Chain saw not working	Low battery	Recharge the battery
	Battery not connected	Connect the battery
	Trigger or safety button malfunction	Contact a help center
The chain saw works intermittently	Loose internal connections	Contact a help center
	Trigger or safety button malfunction	
The chain is too hot	Ruined chain	Replace the chain
	Little lubrication	Check lubrication
	Damaged bar	Replace the bar
The cut is not clean	Lack of lubrication causing excessive friction	Check lubrication and add oil if necessary
	Ruined chain	Replace the chain
	The battery is not fully charged	Recharge the battery
It won't recharge.	Charger jack is not properly inserted into battery connector	Insert the jack correctly
	The charger is not connected correctly to the power outlet	Connect it correctly
	Battery poles are dirty	Clean the poles
	Damaged battery	Replace the battery
	Damaged charger	Replace the charger

W After-sales service

If you have any questions or problems in use, please contact us on time (see next page for contact details). We will have professionals to deal with questions or problems and qualified maintenance personnel to repair the electric tool with identical spare parts, to maintain the safety performance of the electric cutting saw.

This card will be valid from the date on which it is signed by the seller

After-sales service records

No.	DATE	LOCATION OF MAINTENANCE	CAUSE ACTION TAKEN	SIGNATURE REPAIR WORKER	CONFIRMATION OF THE CUSTOMER
1					
2					
3					

X EC Declaration of Conformity

1. Manufacturer identification: Archman Srl
Manufacturer's address: Via Cristans 10 - 33080 Maniago (PN) - Italy

Represent authorized by the manufacturer: No authorized representative has been appointed.
2. Person authorized to file the technical file: Archman Srl, the same address as in point 1
3. Generic Description: Battery Chain Saw

Function: Pruning

Trademark: Archman®

Models covered: PE01 CDGS018 (L8001)
4. **The subject matter of the declaration described in point 3 is in accordance with all the applicable provisions of Directive 2006/42/EC.**

The subject matter of this declaration is also in accordance with the further Union legislation deemed applicable and listed in point 5.
5. Union Directives and Regulations:

Directive 2006/42/CE
Directive 2014/30/UE
Directive 2011/65/CE
6. Harmonized technical standards applied:

EN 62841-4-1
EN 55014-1:
EN 55014-2:
EN 61000-3-2:
EN 61000-3-3:
7. Additional information:

Archman® is a registered trademark of Archman Srl that identifies the products covered by this CE Declaration of Conformity.

This declaration shall be signed in the name and on behalf of the manufacturer.

Maniago, 10.06.2021

Giovanni Pittau

CEO

signature





ATTENTION

Avant utilisation, lire attentivement le manuel du produit et conservez-le pour référence ultérieure.



ATTENTION

Veillez lire attentivement tous les avertissements et les consignes de sécurité.

*Le non-respect de ces avertissements et instructions peut entraîner un choc électrique,
un incendie ou d'autres blessures graves.*

Veillez conserver tous les avis et instructions pour référence future.

La société se réserve le droit d'apporter des améliorations techniques au produit décrit ici sans préavis ;
les photos et les textes du produit dans ce manuel sont à titre de référence seulement et peuvent ne pas
refléter le produit réel.