

PRUNING SHEARS AND 150 BATTERY

VINION & PRUNION

Operating instructions

26_116772-H 03/2019

READ THE USER GUIDE CAREFULLY BEFORE USE







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1. INTRODUCTION

Dear Customer,

Thank you for purchasing your Pruning shears and 150 battery Vinion & Prunion. Correctly used and maintained, this tool will give a satisfactory performance for many years.

Warning



Your device contains numerous recoverable or recyclable materials. Return it to your dealer or, failing this, to an approved servicing centre to be treated.



Comply with the regulations in force in your country as concerns environmental protection associated with your activity.



Warning

It is imperative that you read through the ENTIRE user's manual before using or servicing the tool. Always comply with the instructions and illustrations in the manual.

All through this user guide you will find advisory notes and information entitled: REMARK, CAUTION / WARNING.

A REMARK provides additional information, clarifies a point or explains a step to be followed in detail.

WARNINGS or CAUTIONS call attention to a procedure which, if not performed or incorrectly performed, could cause physical damage and/or serious injury.

This advisory: G indicates that if the procedures or instructions are not complied with, any damage will not be covered by the warranty and the owner will be responsible for the repair costs.

Safety indications are also given on the tool; they remind you of the safety precautions to be taken. Identify and read these indications before using the tool. Immediately replace any indications that may become partially illegible or deteriorated.

Refer to the "SAFETY SIGNS" section, which shows where the signs are on the tool.

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2. SAFETY

2.1. GENERAL SAFETY INSTRUCTIONS FOR THE ELECTRICAL TOOL



Warning

Read all the safety measures, instructions, illustrations and specifications provided with this electric power tool. Failure to comply with the following instructions risks causing electric shock, fire and/or serious injury.

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Note

Retain all the safety measures and instructions for later reading.

The term "power tool" in the safety warnings refers to your mains-powered electric tool (with power cord) or your battery-powered electric tool (without power cord).

2.1.1. WORK AREA SAFETY

- 1. **Keep the work area clean and well lit.** Cluttered or dark areas invite accidents.
- 2. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks, which may ignite the dust or fumes.
- Keep children and bystanders away while operating the power tool. Distractions can cause you to lose control.

2.1.2. ELECTRICAL SAFETY

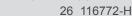
- 1. Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- 2. Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- 4. Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- 5. When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
- 6. If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

Note

The term "residual current device (RCD)" can be replaced by the term "ground fault circuit interrupter (GFCI)" or "earth leakage circuit breaker (ELCB)".

2.1.3. PERSONAL SAFETY

- 1. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- Use personal protective equipment. Always wear eye protection. Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
- Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- 4. **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- 5. **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- 6. Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- 7. If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.



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8. Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles. A careless action can cause severe injury within a fraction of a second.

2.1.4. POWER TOOL USE AND CARE

- 1. **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
- 2. **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- 3. Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- 5. Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- 6. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- 7. Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.
- 8. **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

2.1.5. BATTERY TOOL USE AND CARE.

- 1. **Recharge 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.
- 2. **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- 3. When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- 4. Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.
- 5. **Do not use a battery pack or tool that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.
- Do not expose a battery pack or tool to fire or excessive temperature. Exposure to fire or temperature above 130 °C may cause explosion.

Note

Temperature "130°C" can be replaced with temperature "265°F"

7. Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions. Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

2.1.6. SERVICE

- 1. Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.
- Never service damaged battery packs. Service of battery packs should only be performed by the manufacturer or authorized service providers.

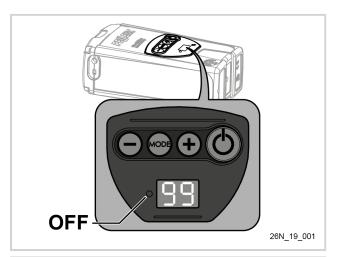
2.1.7. TOOL'S END OF LIFE MANAGEMENT

1. When the tool reaches the end of its life, PELLENCkeeps the end of life sheet of the equipment at disposal. The end-of-life sheet provides instructions for safely removing components.

2.2. SAFETY WARNINGS FOR BATTERY-POWERED SHEARS

- 1. Never modify the connector in any way whatsoever.
- 2. This tool may cause severe injuries. Read the instructions carefully about the proper handling, operation, maintenance, start-up and stopping of the tool. Familiarize yourself with all its controls and proper use.
- 3. Always switch off the battery when the machine is not in use (both LEDs must be off).
- Make sure that the blade is not in contact with any object before starting the tool.
- 5. Never use the tool if it is damaged, incorrectly set or incompletely assembled.
- 6. Never remove or disable a safety device. Have the safety device repaired if is faulty.
- 7. Never disconnect the power cord of the tool without having checked that the red and green LEDs on the left and right of the battery display are off.
- 8. Never carry the pruning shears suspended from the power cord.
- 9. Do not disassemble the pruning shears.
- 10. Do not try to cut pieces of wood that are too large or other materials than wood.
- 11. Please test the machine before use to check that it is working properly.

Battery off (2 LEDs off)



The battery is on (red LED and green LED lit)



2.3. SAFETY MEASURES ASSOCIATED WITH BATTERY USE

If not using the battery unit, store it away from other metal objects such as paper clips, coins, keys, nails, screws
or other such small metal items that might form a connection between the two terminals. Creating a short-circuit
between the battery terminals can lead to burns or cause a fire.

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- 2. Keep the battery out of the reach of children and place it on a non-combustible support.
- 3. Do not interfere with its cooling cycle.
- 4. Do not use or leave the battery near a heat source (> 60°C).
- 5. Do not leave the battery in direct, strong sunlight.
- 6. Do not expose the battery to microwaves or high pressure.
- 7. Do not immerse the battery in water.
- 8. The batteries must be charged in a dry, ventilated room at a temperature between 10°C and 25°C maximum, away from any moisture.
- 9. If the battery is not used for 10 days, the battery will automatically discharge until it reaches its storage charge rate, and then goes to sleep. It will heat up during this phase.
- 10. Over time, the capacity of your battery reduces. When it reaches half of its original autonomous operating time, it should be replaced.
- 11. The battery may lose 1 to 4 % of its capacity when exposed to a temperature higher than or equal to 55 °C for one week.
- 12. The charging location must be equipped with a class D fire extinguisher (for metal fire) in good working order.
- 13. The standards in effect must be complied with when either shipping a complete tool or a battery.
 - A complete tool with a battery is a product that is classified as class 9, UN3481.
 - A battery alone is a product that is classified as class 9, UN3480.
- 14. Use of a battery other than that provided by Pellenc SA is dangerous (risk of serious injury). If a different battery is used, Pellenc SA cannot be held responsible for any consequences.
- 15. The battery must be protected from any impact and must be positioned and secured appropriately during transportation.
- 16. In the case of suspicious smoke, place the battery outside the charging area or transportation vehicle as far away as possible from any inflammable material.
- 17. Never store a battery when its capacity is below 50 %. Recharge the battery before storage if the value is below 50%.
- 18. In inappropriate conditions, a liquid can flow batteries; avoid contact with it. In the event of accidental contact, rinse with water. In the event of contact with eyes, seek professional medical help. The liquid leaking from the batteries can cause irritations or burns.
- 19. Pellenc power tools must only be used with the battery units designed for the purpose. Use of other battery units can present a risk of injury and fire.
- 20. Only recharge using the charger indicated by the manufacturer. A charger adapted to one type of battery unit may present a fire risk if used with a different battery unit.
- 21. Do not use the battery for any purpose other than that initially envisaged (exclusively for use with Pellenc tools).
- 22. At the end of its life, the battery must be returned to the authorized distributor from whom it was purchased to be recycled in accordance with waste regulations.
- 23. Fragile case, contains an electronic board and lithium.

2.4. SAFETY MEASURES WHEN USING THE "PELLENC" CHARGER

- 1. When in operation, the charger's temperature can reach 60°C. No flammable material must be within 1.5 metres of the charger and battery.
- 2. Place the charger out of children's reach and onto a non-combustible support.
- 3. Do not interfere with its cooling cycle.
- 4. The charger supplied with the battery is designed to recharge the battery. Do not charge non-rechargeable batteries.
- 5. The charging location must be equipped with a class D fire extinguisher (for metal fire) in good working order.
- 6. If the output cord is cut or damaged, bring the entire charger back to the authorised distributor where the tool was purchased.
- 7. Only recharge using the "PELLENC" charger indicated by the manufacturer. A charger adapted to one type of battery unit may present a fire risk if used with a different battery unit.
- 8. This charger is designed to charge the batteries of Pellenc's lithium tools.
- 9. Do not use it for any other purposes.
- 10. Children must be supervised to ensure they do not play with the charger.
- 11. Verify that the cable cannot be folded and does not touch hot surfaces or sharp edges.
- 12. Ensure good ventilation during the charge.
- 13. Never cover the charger. This charger must not be used outdoors.
- 14. Make sure the power connector is not exposed to water.
- 15. Never charge a damaged battery.

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- 16. Grid connection must comply with national electrical regulations (EN60204-1).
- 17. Check the cable of the charger before using it. Never use the charger if the cable is damaged
- 18. When the battery is charging, place the charger on a non-flammable support, more than 1.5 m away from any flammable object.

2.5. SAFETY SIGNAGE



Do not expose to rain.



Read the user guide.



This equipment must be used at a temperature of between -5° and +35°C.

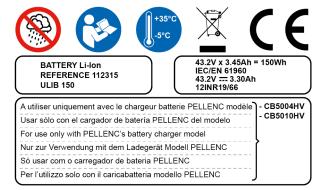


Lithium-ion battery.

At the end of its life, the battery must be returned to the authorized distributor from whom it was purchased to be recycled in accordance with waste regulations.



Equipment compliant with EC standards.













BATTERY Li-lon REFERENCE 126501 ULIB 150P 43.2V x 3.00Ah = 130Wh IEC/EN 61960 43.2V --- 2.95Ah 12INR19/66

A utiliser uniquement avec le chargeur batterie PELLENC modèle
Usar sólo con el cargador de batería PELLENC del modelo
For use only with PELLENC's battery charger model
Nur zur Verwendung mit dem Ladegerät Modell PELLENC
Só usar com o carregador de bateria PELLENC
Per l'utilizzo solo con il caricabatteria modello PELLENC

2.6. PERSONAL PROTECTION EQUIPMENT

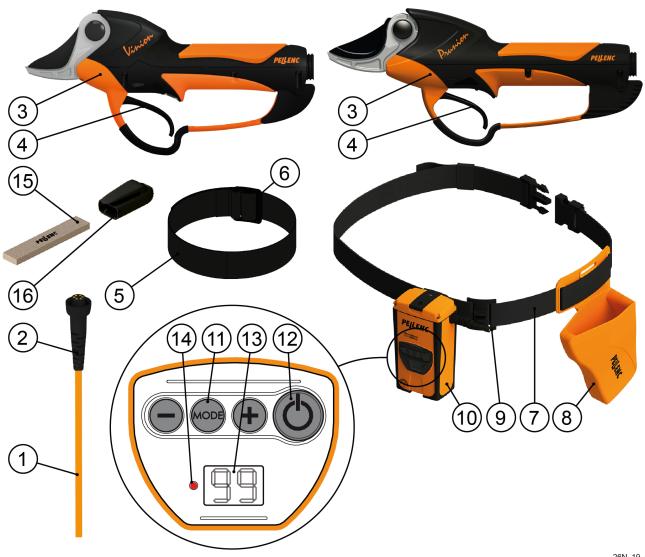


	Equipment	Wear
1	Safety helmet	
2	Protective visor	Recommended
3	Resistant gloves	Recommended
4	Safety footwear	Mandatory
5	Ear protection	
6	Protective goggles	mandatory
7	Resistant jacket or over-sleeves	Recommended
8	Work trousers	Recommended



3. DESCRIPTION AND TECHNICAL CHARACTERISTICS

3.1. DESCRIPTION OF PRUNER + BATTERY + CHARGER COMBINATION



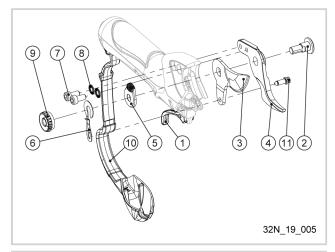
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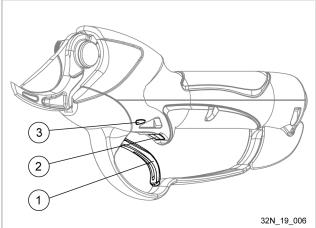
- 1. Pruner lead
- 2. Pruner connector plug
- 3. Pruning shears
- 4. Trigger
- 5. Elastic wrist strap
- 6. Wrist strap clip
- 7. Adjustable belt
- 8. Holster
- 9. Belt clip

- 10. 150 battery
- 11. Mode change button
- 12. ON/OFF button
- 13. Battery level display
- 14. ON/OFF LED
- 15. Grinding stone
- 16. Grinding stone holder

3.2. DESCRIPTION OF CUTTING HEAD

- Trigger
 Blade shaft
- 3. Blade
- 4. Hook
- 5. Knurled adjustment washer
- 6. Locking blade
- 7. CHC M6 screw
- 8. Lock washer
- Clamping wheel
 Guard
- 11. Rod clevis
- 1. Trigger
- 2. Optical sensor
- 3. Tool indicator





3.3. TECHNICAL SPECIFICATIONS OF THE PRUNERS

3.3.1. VINION

Cutting capacity	up to 35 mm, depending on type of wood
Pruning shears power supply voltage	43.2 V
Average power	180 W
Battery autonomy	Depending on the use and type of battery
Weight of pruning shears	680 g

Total vibration values (triax vector sum) determined in accor-	$a_h = 2.5 \text{ m/s}^2$
dance with EN 62841-1 (uncertainty of K=1.5 m/s ²)	

Noise value measured according to standard EN 62841-1		
Acoustic power level measured (uncertainty of K=3 dB)	L _{WA} =80 dB MAX	
Level of acoustic pressure measured at the work station (uncertainty of K=3 dB)	L _{pA} =70 dB MAX	



3.3.2. PRUNION

Cutting capacity	up to 45 mm, depending on type of wood
Pruning shears power supply voltage	43.2 V
Average power	250 W
Battery autonomy	Depending on the use and type of battery
Weight of pruning shears	860 g

Total vibration values (triax vector sum) determined in accor-	$a_h = 0.92 \text{ m/s}^2$
dance with EN 62841-1 (uncertainty of K=1.5 m/s²)	·

Noise value measured according to standard EN 62841-1		
Acoustic power level measured (uncertainty of K=3 dB)	L _{WA} = 81.1 dB	
Level of acoustic pressure measured at the work station (uncertainty of K=3 dB)	L _{pA} = 70.1 dB	

3.4. BATTERY TECHNICAL CHARACTERISTICS

Name	Ulib 150
Rated battery voltage	43.2 V
Type of battery	12 cells in 1 pack
Battery capacity	3.45 Ah
Battery power	864 W
Battery energy	150 Wh
Battery autonomy	Depending on the tool
Weight of the battery unit	845 grams (without cord)

Name	Ulib 150P
Rated battery voltage	43.2 V
Type of battery	12 cells in 1 pack
Battery capacity	3 Ah
Battery power	1,728 W
Battery energy	130 Wh
Battery autonomy	Depending on the tool
Weight of the battery unit	845 grams (without cord)

3.5. 150 AND 150P BATTERY CHARGING TIME BASED ON THE CHARGER USED

Battery	150		150P	
% charge	70%	100%	70%	100%
CB5004 Charger (0.4A)	6 h	09:30	05:15	08:30
Charger CB5010 (1A)	2 hr 30 min	4.5 hrs	2 hrs	4 hrs



Important

The adapter, ref 132371, ensures compatibility between the CB5010 charger and 150/150P batteries.

4. START UP

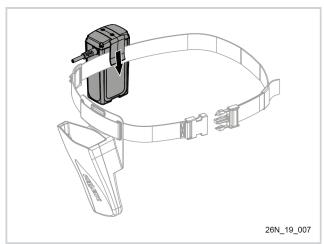
- 1. Remove pruning shears, battery and belt from the packaging.
- 2. Check that the battery is actually turned off

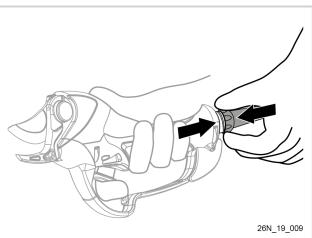
Before using the battery for the first time, it must be fully charged (99% steady). (See ???)

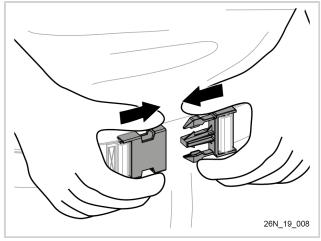
Note

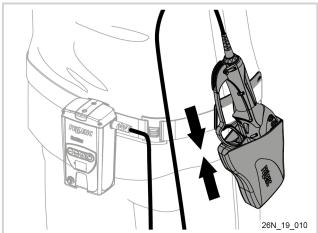
Considering the machining accuracy of the pruning shear components, to achieve optimal performance, a breaking-in period of 2 to 3 days is useful and will allow you to appreciate the reduction in consumption and noise.

4.1. PUTTING THE PRUNING HOLSTER ON THE BELT



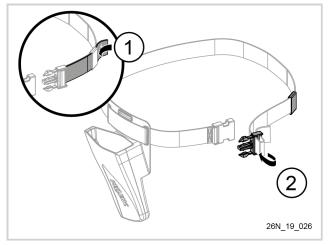


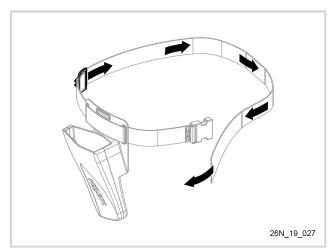


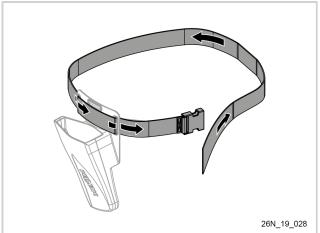


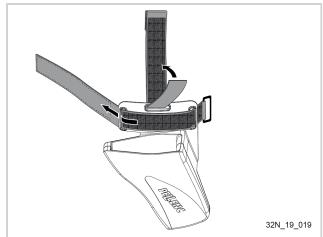


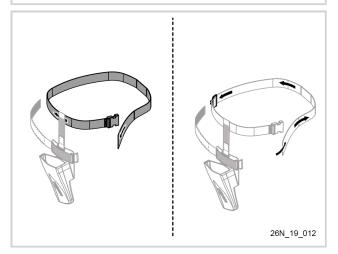
4.2. PUTTING THE PRUNING HOLSTER AROUND THE THIGH

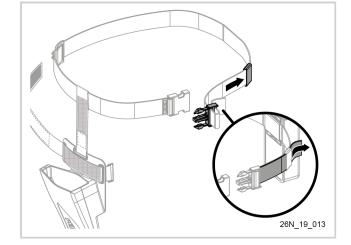






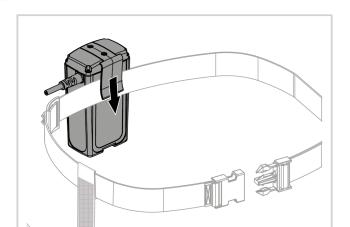


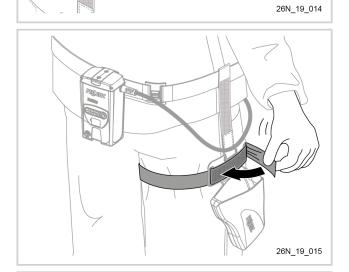


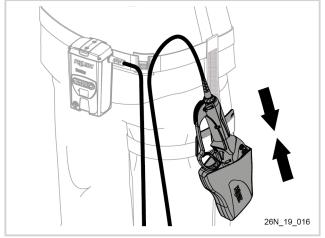


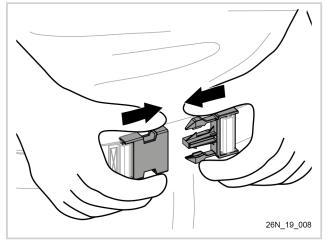
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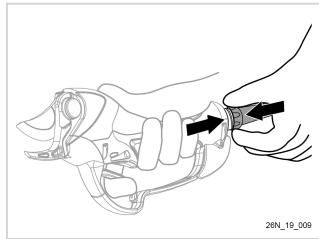






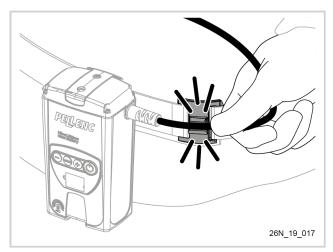


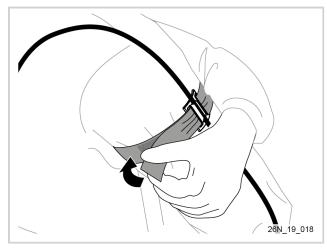


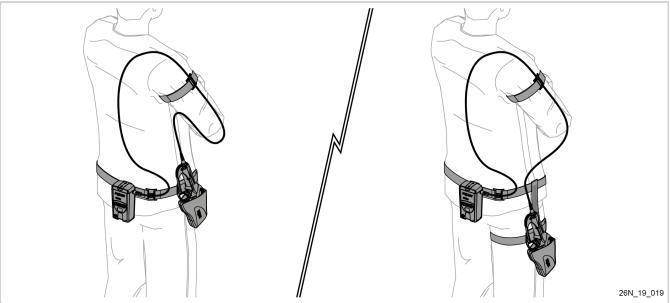




4.3. PUTTING THE LEAD AND WRIST STRAP IN PLACE







5. USE

5.1. USAGE TIPS

- You must take all necessary care to prevent catching the lead of the pruning shears in the branches. To do this, attach the lead to your arm using the wrist strap provided. (see page 15 or 17)
- The operating time and service life of the pruning shears mainly depend keeping the blade properly sharpened and adjusted.
- It is essential to remove the burrs (wire edge) from the cutting edge of the blade, and to file it off within the first 15 minutes of use.
- We recommend that you do not disconnect the lead of the pruning shears from the battery unit after use each day, but wind it around the "battery" unit and replace them both in their carry-case.

There are various usage modes available to best meet your working practices and to save battery power. The battery is supplied in the most efficient mode.

- · These modes are shown on the display.
- The factory setting for the pruning shears is "performance" mode (U1).

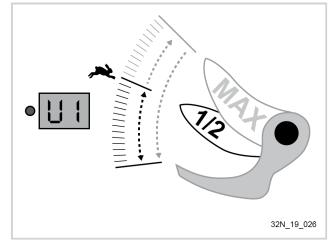


5.2. USAGE MODES

description of operating types available

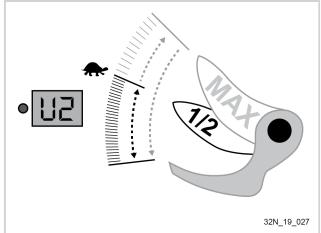
Mode U1: PERFORMANCE

- Gradual, fast operation, with half-opening
- · The pruning shears LED is green when operating.
- The pruning shears LED flashes green on standby.



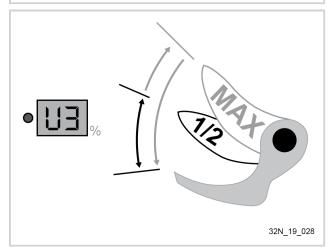
Mode U2: ECONOMY AND COMFORT

- · Gradual, smooth operation, with half-opening.
- The pruning shears LED flashes alternately green and red in operation.
- The pruning shears LED flashes alternately green and red faster when on standby.



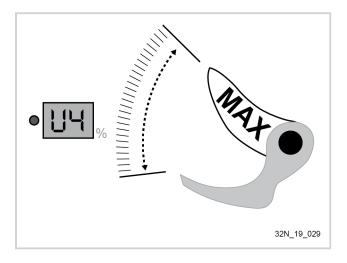
Mode U3: ALL OR NOTHING

- · Fast, "on or off" operation, with half-opening.
- · The pruning shears LED is red when operating.
- The pruning shears LED flashes red on standby.



Mode U4: RAMP-UP (factory mode)

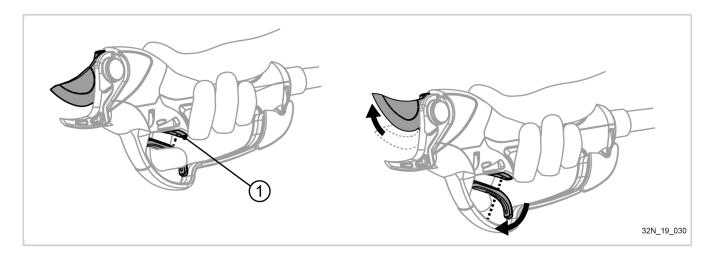
- · Gradual, fast operation, with half-opening.
- The pruning shears LED is orange when operating.
- · The pruning shears LED flashes orange on standby.



Note

Removing your finger from the trigger opens the blades wide, no matter which function is chosen.

5.3. OPTICAL TRIGGER



The blade stays half-open as long as the optical system (1) detects your finger on the trigger. When your finger releases the trigger, the optical system tells the blade to open fully.

This option helps when cutting small wood, thus saving energy. After a few minutes' use, this optical system becomes an essential feature of your daily work.

Note

The kind of gloves worn can have an effect on the way the optical trigger works. We recommend not wearing black gloves.

Important

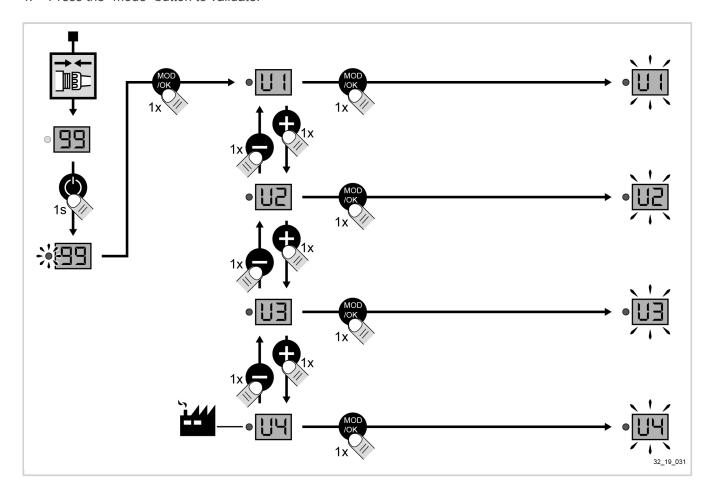
If the optical trigger stops working properly, check that there is nothing obstructing the slot in the trigger or clean the window of the optical sensor with rubbing alcohol.



5.4. CHANGING MODE

5.4.1. U1 / U2 / U3 / U4 MODES

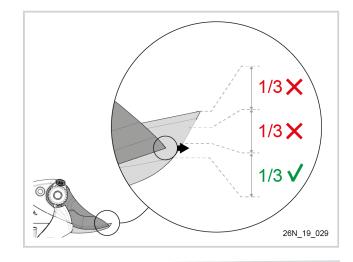
- 1. Turn the battery on, with the tool connected,
- 2. Press the "mode" button,
- 3. Choose modes U1, U2, U3 or U4 by pressing + or -,
- 4. Press the "mode" button to validate.



5.4.2. "FUNCTIONAL" SETTING MODES

F5 Mode: Blade crossing adjustment

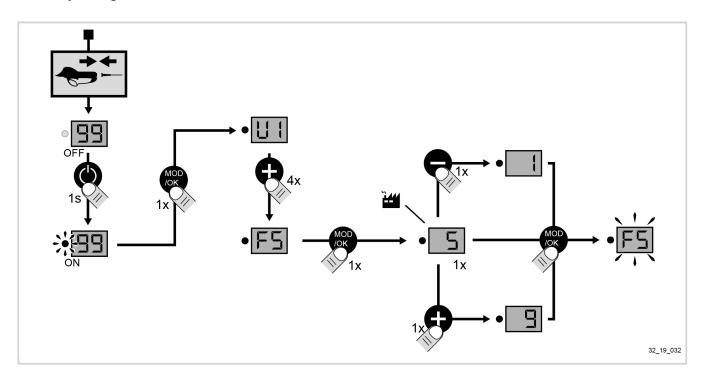
- 1. Turn the battery on, with the tool connected,
- 2. Press the "mode" button,
- 3. Select function **F5**, by pressing + or -,
- 4. Press the "mode" button,
- 5. Press + or to adjust the blade crossing,
- 6. Press the "mode" button.





Adjustment range:

- Maximum value = 9
- Minimum value = 1
- Factory setting = 5

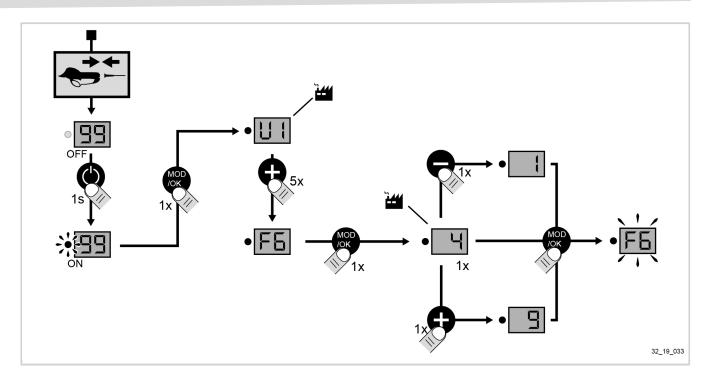


F6 mode: half-opening setting

- 1. Turn the battery on, with the tool connected,
- 2. Press the "mode" button,
- 3. Select function **F6**, by pressing + or -,
- 4. Press the "mode" button to validate,
- 5. Press + or to adjust the half-opening of the blade,
- 6. Press the "mode" button to validate.

Adjustment range:

- Maximum value = 9
- Minimum value = 1
- Factory setting = 4



- 5.4.2.1.

5.4.3. PARAMETER SETTING MODES

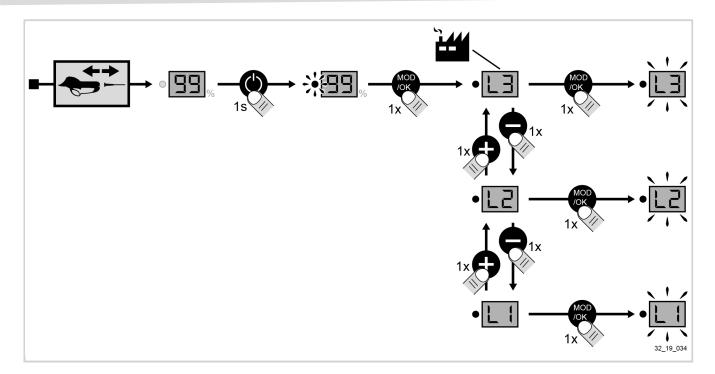
You can set the parameters for the tool's adjustment level to make it easier to use.

- L1: "Display" Mode: The tool can only be used in the preset configuration.
- L2: "Normal" mode: The user has access to 4 operating modes, U1 to U4, but these cannot be adjusted.
- L3: "Expert" mode: The user has access to 4 operating modes U1 to U4 and two settings (blade crossing = F5 and half opening = F6).

The tool's parameter setting modes can be altered as follows:

- 1. Disconnect the pruning shears and turn on the battery,
- 2. Make the adjustment (refer to the diagram below),





- 3. After configuring the usage mode allowed for the user, turn the battery off, then reconnect the tool,
- 4. If you need to change mode again, the above procedure has to be repeated.

5.5. THE BATTERY

The battery has a gauge display showing the remaining capacity it holds. The capacity is expressed as a percentage.

- If the display shows 99, the battery is fully charged.
- If after a day's work, the display shows 55, there is no need to recharge the battery.
- If the display shows 00, or very close to it, it must be recharged at once.
- The battery gauge must be used like a fuel gauge on a car.

Note

If the battery is not used for 10 days, it discharges automatically to prepare for storage. During this phase it will become warm.

5.5.1. CHARGING

Important

Before using the battery for the first time at the start of a new season, it must be fully charged (99% steady).

When the battery is discharged, the tool stops automatically. The gauge display goes off, and the buzzer beeps once. Then consult ???.

Press the on/off buttons (6) at once.

Important

Before using the battery for the first time at the start of a new season, it must be fully charged (99% steady).

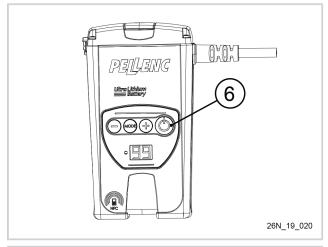
Place the charger and battery in a dry, ventilated and dust-free room at 10#25°C. Place the battery lying in a horizontal position.

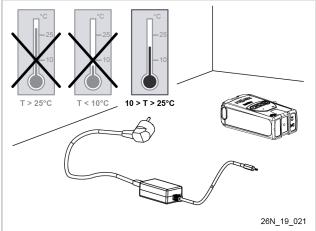
Caution

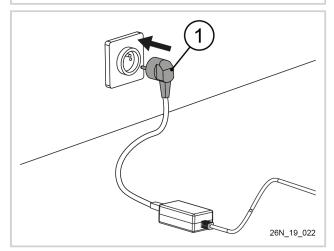


Before connecting the charger to the mains, check that your power system characteristics comply with the specifications given on the charger (see Section 3.4, "Battery technical characteristics").

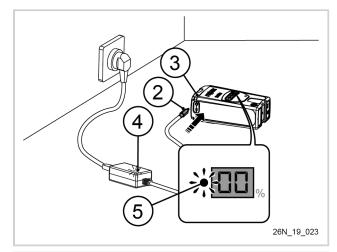
Connect the charger power connector (1) to the power outlet. The charger LED lights up green.



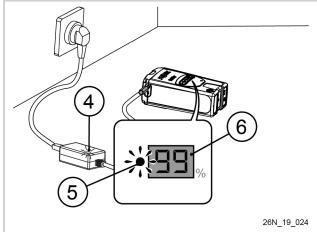




Connect the charging cord (2) to the battery's charging connector (3). The charger indicator (4) lights up green, and the battery indicator (5) flashes orange.



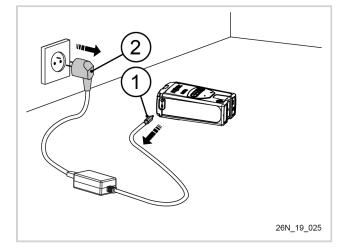
When the gauge display (6) flashes, the battery is charging. Charging is complete when the message 99 appears steadily on the gauge display (6).



Once the battery is charged, disconnect the charging lead on the battery first (1), then the charger power connector (2).

Note

After a long storage period (new battery, winter storage etc.), when you disconnect the charger, the charge level indicator may display a value of less than 99%. This is a normal phenomenon which can reoccur for up to 5 charge cycles with normal use between each charge.



6. SERVICE

If cutting is no longer sharp and effortless, this means that it is using more energy than necessary. Check the following points:

- 1. the sharpness of the blade,
- 2. the tightness of the blade,
- 3. the general condition of the pruning shears.

6.1. SHARPENING

This is important because it determines the quality of the cut and the durability of blades, the mechanical parts and the battery life. Its frequency depends of course of the wood cut (hardness and diameter), the pruning pace and sharpness of the blades (a special grinding stone was supplied to you).

It is therefore necessary, during the first few days of use, to check the condition of the blade edge frequently (a check every quarter of an hour makes it possible to assess the condition of the wire)

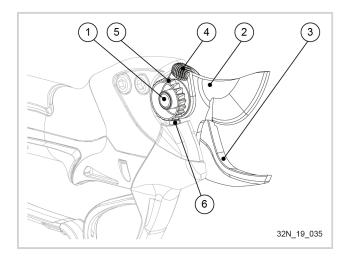
In order to maintain this cutting edge, regularly and carefully refresh the cutting wire.

Important

It is essential to remove the burrs (wire edge) from the cutting edge of the blade, and to file it off within the first 15 minutes of use.

6.2. CHECK THE TIGHTNESS OF THE BLADE

- 1. Blade shaft
- 2. Blade
- 3. Hook
- 4. Knurled adjustment washer
- 5. Clamping wheel
- 6. Pawl of the locking blade



Points to check for proper tightening:

- · There must be no lateral play.
- The play in the cutting direction must be detectable by hand.

For this:

- 1. Perform these operations with the blade open and the battery off. (see figure 1 on page 6)
- 2. Tighten the adjustment wheel (5) until the knurled adjustment washer no longer turns.
- 3. Check tightening of the blade:
 - The knurled washer (4) must be able to rotate with the blade open.
 - The knurled washer (4) must not turn with the blade closed.
- 4. Manually readjust tightening if needed using the wheel (5).
 - By turning the wheel (5) in the clockwise direction to tighten.
 - By pressing the pawl (6) and rotating the wheel (5) counter-clockwise to loosen.
- Over-tightening may cause incorrect operation, poor cutting at the blade tip, and significant reduction in battery life

6.3. CHANGING BLADE OR SHAFT

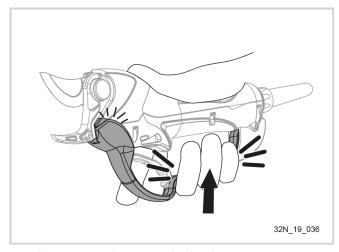
Follow the instructions in the order given:

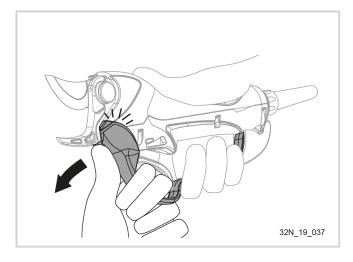
Open the blade fully.

- 2. Turn off the battery
- 3. Disconnect the pruning shears cord.
- 4. Open the guard as shown below.

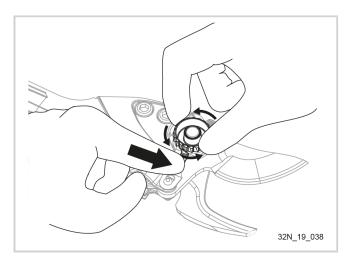
Follow the instructions in the order given:

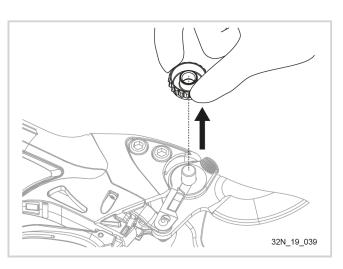
- 1. Open the blade fully.
- 2. Turn off the battery.
- 3. Disconnect the pruning shears cord.
- 4. Open the guard as shown below.



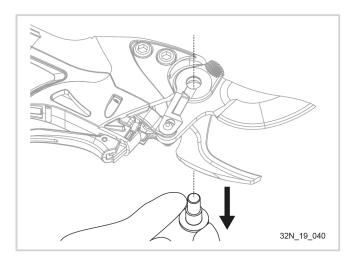


5. Unscrew and remove the knob.

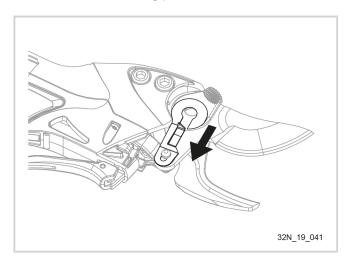




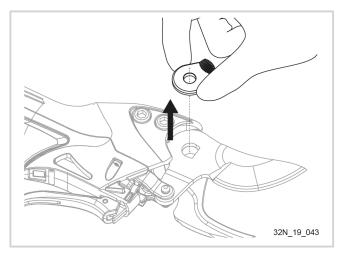
6. Remove the shaft from the blade



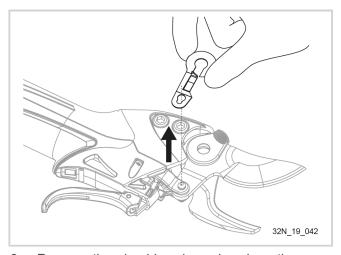
7. Remove the locking plate.



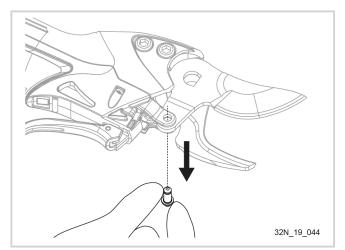
8. Remove the adjustment washer

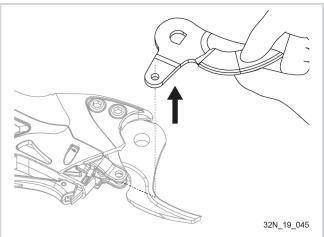


- 10. Replace the blade on the hook after greasing the seating, then replace the blade shaft and the clevis pin.
- 11. Replace the adjustment washer and locking blade.
- 12. Tighten the wheel on the blade shaft.
- Clip the guard in place again by pressing on its centre.
- 14. Tighten the blade shaft, as instructed in the previous section.
- 15. Reconnect the pruning shears.



Remove the shoulder pin and replace the worn parts







Caution

Never operate the pruning shears without the blade and shafts, as this will cause damage to the ball screw and the body of the shears.



6.4. BATTERY REPLACEMENT



Warning

The battery must only be replaced and disposed of by an authorised distributor.

6.5. CHARGER MAINTENANCE

- · The charger is maintenance-free.
- · Disconnect the charger before cleaning it.
- · Clean the charger case using a damp cloth and a gentle detergent.

6.6. OTHER MAINTENANCE

Avoid the formation of abrasive paste (oil + soil) as much as possible via frequent cleaning. To do this:

- Clean the front of the shears with a cloth and compressed air, do not use solvents such as trichlorethylene, turpentine, gasoline, or similar products.
- Lubricate the blade and the blade axes sparingly but often (once a week).
- Do not leave the pruning shears in the soil or exposed to the elements.

EVERY 200 HOURS, change the following kits (contact your distributor to change these kits):

PRUNION	VINION
Blade kit (ref. 122991)	Blade kit (ref. 118259)
Blade pin kit (réf. 123762)	Blade pin kit (ref. 122671)
Maintenance kit (ref. 122688)	Maintenance kit (ref. 122672)

7. INCIDENTS AND TROUBLESHOOTING

7.1. RECAP OF BATTERY DISPLAY MESSAGES AND AUDIBLE SIGNALS

Normal messages		
Use		
88 fixed	Battery during operationBattery charge level between 0% and 99%.	
00 with 1 beep per minute	Charge level very low,Tool shutdown imminentCharge the battery	
00 flashing with 1 beep every 10 seconds	Empty battery,tool stoppedCharge the battery	
Charge		
88 flashing every 4 seconds	Battery on chargeBattery charge level between 0% and 99%.	
99 fixed	Battery charged	
Storage		
88 flashing	Standby mode after 10 days of non-use (50 to 99)	



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Degraded mode messages		
Use		
°C and SS alternately	Stop the tool; the battery temperature is too high	
1 long beep and 1 short beep	Stop the tool: current too high	
1 long beep and 4 short beeps	Stop the tool; the tool temperature is too high	
Charge		
°C and 00 alternately	Charge interrupted: Battery temperature too low	
°C and Ч5 alternately	Charge interrupted: Battery temperature too high	

Fault messages		
Use		
88 and 1 beep every 2 minutes for 24 hours	Voltage too low after 3 hours of non-use. Recharge battery immediately	
Charge		
Pb and bB alternating and continuous beep	Battery problem	
Pb and CH alternately	Charger problem	

If your tool no longer works:

- 1. Turn off the battery (check that the LED is off).
- 2. Check the battery is charged, as shown on the gauge.
- 3. Check the lead is connected and the cable thumb-wheel tightened.
- 4. Turn on the battery (LED is on).
- 5. Press the trigger and the safety lock (depending on the tool).
- 6. If the tool does not work, return the complete equipment in its original packaging to a certified repair service.



Caution

Never attempt to open or repair the battery pack or the charger

8. TRANSPORT / STORAGE

8.1. STORAGE

- Store the pruning shears, battery unit and charger in their carry-case, away from heat, dust and damp, and check the battery is properly turned off.
- Never store the battery at an ambient temperature of more than +45 °C.
- In order to conserve a long battery life and prevent deterioration, the battery must be charged when stored and recharged every 24 months if it is not used.
- · Never operate the switch while the shears are in storage.
- In the OFF-SEASON, you may have your pruning shears serviced by an authorised repairer. For more information, consult an authorised distributor or contact PELLENC SAS.
- The battery must be stored in a dry place, at a steady temperature between 0 °C and +25°C. No combustible object must be placed within 1.5 metres of the battery.

9. ACCESSORIES AND CONSUMABLES

- PRUNION blade kit (ref. 122991)
- PRUNION blade shaft kit (ref. 123762)
- PRUNION maintenance kit (ref. 122688): Refer to your dealer before changing this kit.

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- VINION blade kit (ref. 118259)
- VINION blade shaft kit (ref. 122671)
- VINION maintenance kit (ref. 122672): Refer to your dealer before changing this kit.

10. WARRANTIES

10.1. GENERAL WARRANTIES

10.1.1. STATUTORY WARRANTY

- 10.1.1.1. LATENT DEFECTS WARRANTY

Apart from the commercial warranty provided for under Article II, Article 1641 of the Civil Code provides that "the seller is bound to a warranty on account of latent defects of the object sold which render it unfit for the use for which it was intended, or which would impair said use to the extent that the buyer would not have acquired it, or would only have given a lesser price for it, had he known of them".

Article 1648 of the Civil Code "The action resulting from latent defects must be brought by the purchaser within two years after the discovery of the defect."

- 10.1.1.2. LEGAL WARRANTY OF CONFORMITY

Article L.217-4 of the Consumer Code "The seller delivers goods in conformity with the contract and is liable for defects of conformity existing upon delivery.

The seller is also liable for any lack of compliance resulting from the packaging, assembly or installation instructions whenever its contractual liability is engaged in this regard or the latter are carried out under its responsibility

Article L.217-5 of the French Consumer Code "Goods are compliant with the contract":

- Where they are fit for the purpose normally expected of similar goods and, where applicable:
 - If it matches the description given by the seller and possesses the qualities that were presented to the purchaser in the form of a sample or model;
 - If it possesses the qualities that a purchaser can reasonably expect given the public statements made by the seller, the producer or its representative, especially in advertising or labelling;
- 2. Or, if it has the characteristics defined by mutual agreement of the parties or is fit for any particular purpose that the buyer made known to the seller and that the latter accepted.

Article L.217-12 of the Consumer Code "legal action resulting from lack of conformity lapses two years after delivery of the goods".

10.1.2. COMMERCIAL WARRANTYPELLENC

- 10.1.2.1. CONTENT

10.1.2.1.1. General Information

In addition to legal warranties, client users benefit from the commercial warranty on products PELLENCcovering the exchange and replacement of parts recognised out of use, caused by machining defects, assembly defects or material defects, whatever the cause.

The warranty is fully integral to the product sold by PELLENC.

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10.1.2.1.2. Spare Parts

The commercial warranty also covers original PELLENCspare parts, excluding labour and to the exclusion of certain parts of each product provided at delivery.

- 10.1.2.2. DURATION OF THE WARRANTY

10.1.2.2.1. General Information

PELLENC Products are guaranteed under the commercial warranty as from delivery to the customer for a period of two (2) years for products connected to a PELLENC battery, and for a period of one (1) year for other PELLENC products.

10.1.2.2.2. Spare Parts

PELLENC Spare parts replaced under the product warranty are guaranteed under the commercial warranty as from delivery of the PELLENCproduct to the customer for a period of two (2) years for products connected to a PELLENCbattery, and for a period of one (1) year for other PELLENCproducts.

In the case of products connected to a PELLENCbattery, parts that are replaced in the under the product warranty after the 12th month of use, are covered for a period of one (1) year.

10.1.2.2.3. Warranty exclusions

Excluded from the commercial warranty are products that have been subject to abnormal use, or were used under conditions and for purposes other than those for which they were manufactured, especially in the case of non-compliance with conditions stipulated in this user manual.

It does not apply in case of shock, fall, neglect, lack of supervision or maintenance or in case of transformation of the product. Also excluded from the warranty are products that have been subject to tampering, alteration or modification by the client user.

Wear parts and/or consumables cannot be covered by the warranty.

- 10.1.2.3. IMPLEMENTATION OF THE COMMERCIAL WARRANTY

10.1.2.3.1. Product commissioning and commissioning declaration

The DISTRIBUTOR undertakes to complete the computer commissioning declaration form, no later than eight days after the delivery of the property to the user customer, in order to activate the latter on the www.pellenc.com website under "warranties and training" in the "extranet" menu, using the identifier previously provided to them by PELLENC.

Failing that, commissioning declaration will not be effective and implementation of the commercial warranty PEL-LENC will not occur. As a consequence thereof, the DISTRIBUTOR must ensure the financial burden of its intervention under the warranty without being able to pass on the cost to the client user.

The DISTRIBUTOR shall also undertake to complete the warranty card or the certificate of warranty and commissioning for self-propelled equipment provided with the product after having the client user sign and date it.

10.1.3. PAID AFTER-SALES SERVICE

- 10.1.3.1. GENERAL INFORMATION

Malfunctions, breakdowns, breakages resulting from misuse, neglect or improper maintenance by the client user as well as malfunctions resulting from normal wear of the product are subject to the payment of after-sales service,

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even during the period of the legal and commercial warranty. After-sales service repairs that fall outside of the legal and commercial warranty also include maintenance, adjustments, diagnostics of all types, and cleaning without the present list being exhaustive.

- 10.1.3.2. WEAR PARTS AND CONSUMABLES

Wear parts and consumables also fall within the after-sales service.

- 10.1.3.3. SPARE PARTS

Paid after-sales service also covers original PELLENC spare parts, excluding labour and outside the legal and commercial warranty period.

In case of replacement of original PELLENC spare parts in the context of after-sales service, said latter are covered by a warranty of one year as from the installation date.

10.2. SPECIFIC WARRANTIES

PELLENC S.A. guarantees its engine for a period of 2 years from the date of delivery.

PELLENC S.A. guarantees its battery for a period of 2 years from the date of delivery provided that:

- The number of charging cycles does not exceed 100 per year;
- The battery charge capacity did not exceed 50112 Wh since commissioning;
- The battery is used at temperatures between -5° C and +35° C;
- The battery is charged at temperatures between +10° C and +25° C;
- The battery has not gone into deep discharge;
- Average consumption does not exceed 450 mA.



Warning

Never open the pruning shears or battery pack, as this may void the warranty. Contact your authorised repair person.



11. COMPLIANCE STATEMENTS

11.1. "EC" DECLARATION OF CONFORMITY: VINION

MANUFACTURER	PELLENC
ADDRESS	Quartier Notre-Dame - 84120 Pertuis (France)
ENTITY AUTHORIZED TO COMPILE THE TECHNICAL FILE	PELLENC
ADDRESS	Quartier Notre-Dame - 84120 Pertuis (France)

We hereby declare that the machine referred to below as:

GENERIC DENOMINATION	Pruning shears and 150 battery	
FUNCTION	Intended for pruning	
COMMERCIAL NAME	VINION	
TYPE	Self-contained	
MODEL	VINION	
SERIAL No.	26S00001 - 26S49999 26T00001 - 26T49999 26U00001 - 26U49999	

Complies with the relevant provisions of the machinery directive (2006/42/EC).

Complies with the provisions of the following European directives:

- 2014/30/EU EMC Directive
- 2011/65/EU ROHS Directive
- 1907/2006 REACH Regulation
- 2012/19/EU WEEE Directive

The following harmonised European standards have been used in whole or in part:

- EN 62841-1: 2015
- EN 55014-1: 2006 + A1: 2009 + A2: 2011
 EN 55014-2: 1997 + A1: 2001 + A2: 2008

Total vibration values (triax vector sum) determined in accordance with the EN 62841-1 standard (uncertainty of K=1.5 m/	
S ²)	

Acoustic power level measured (uncertainty of K=3 dB)	L _{WA} =80 dB MAX
Level of acoustic pressure measured at the work station (uncertainty of K=3 dB)	L _{pA} =70 dB MAX

SIGNED IN PERTUIS, ON 17/04/2019 JEAN-MARC GIALIS CEO

11.2. "EC" DECLARATION OF CONFORMITY: PRUNION

MANUFACTURER	PELLENC
ADDRESS	Quartier Notre-Dame - 84120 Pertuis (France)
ENTITY ALITHOPIZED TO COMPILE THE TECHNICAL ELLE	DELLENC

ENTITY AUTHORIZED TO COMPILE THE TECHNICAL FILE	PELLENC
ADDRESS	Quartier Notre-Dame - 84120 Pertuis (France)

We hereby declare that the machine referred to below as:

GENERIC DENOMINATION	Pruning shears and 150 battery
FUNCTION	Intended for pruning
COMMERCIAL NAME	PRUNION
TYPE	Self-contained
MODEL	PRUNION
SERIAL No.	32S00001 - 32S49999 32T00001 - 32T49999 32U00001 - 32U49999

Complies with the relevant provisions of the machinery directive (2006/42/EC).

Complies with the provisions of the following European directives:

- 2014/30/EU EMC Directive
- 2011/65/EU ROHS Directive
- 1907/2006 REACH Regulation
- 2012/19/EU WEEE Directive

The following harmonised European standards have been used in whole or in part:

EN 62841-1 : 2015EN 55014-1 : 2017EN 55014-2 : 2015

Total vibration values (triax vector sum) determined in accordance with the EN 62841-1 standard (uncertainty of K=1.5 m s²)	
---	--

Acoustic power level measured (uncertainty of K=3 dB)	L _{WA} = 81.1 dB
Level of acoustic pressure measured at the work station (uncertainty of K=3 dB)	L _{pA} = 70.1 dB

SIGNED IN PERTUIS, DATED 17/04/2019 JEAN-MARC GIALIS CEO





11.3. "EC" DECLARATION OF CONFORMITY: 150 BATTERY

MANUFACTURER	PELLENC		
	Quartier Notre-Dame - 84120 Pertuis (France)		

ENTITY AUTHORIZED TO COMPILE THE TECHNICAL FILE	PELLENC
ADDRESS	Quartier Notre-Dame - 84120 Pertuis (France)

We hereby declare that the machine hereinafter referred to as:

GENERIC DENOMINATION	BATTERY	BATTERY		
FUNCTION	Intended to power PELLENC p	Intended to power PELLENC portable power tools		
COMMERCIAL NAME	ULTRA LITHIUM BATTERY	ULTRA LITHIUM BATTERY		
TYPE	Li-ion battery	Li-ion battery		
MODEL	150	150		
SERIAL No.	26S00001 - 26S49999	56S00001 - 56S49999		
	26T00001 - 26T49999	56T00001 - 56T49999		
	26U00001 - 26U49999 56U00001 - 56U49999			

COMPLIES WITH THE RELEVANT PROVISIONS OF THE MACHINERY DIRECTIVE (2006/66/EC)

Complies with the provisions of the following European directives:

- 2014/30/EU EMC Directive
- 2011/65/EU ROHS Directive
- 1907/2006 REACH Regulation
- 2014/53/EU RED Directive

The following harmonised European standards have been used in whole or in part:

• EN 62133: 2013

CONCLUDED AT PERTUIS, DATED 25/02/2019 JEAN-MARC GIALIS CEO



11.4. "EC" DECLARATION OF CONFORMITY: 150P BATTERY

MANUFACTURER	PELLENC	
ADDRESS	Quartier Notre-Dame - 84120 Pertuis (France)	
ENTITY AUTHORIZED TO COMPILE THE TECHNICAL FILE	PELLENC	
ADDRESS	Quartier Notre-Dame - 84120 Pertuis	

(France)

We hereby declare that the machine hereinafter referred to as:

GENERIC DENOMINATION	BATTERY			
FUNCTION	Intended to power PELLENC portab	Intended to power PELLENC portable power tools		
COMMERCIAL NAME	ULTRA LITHIUM BATTERY	ULTRA LITHIUM BATTERY		
TYPE	Li-ion battery	Li-ion battery		
MODEL	150P	150P		
SERIAL No.	32S00001 - 32S49999	56S00001 - 56S49999		
	32T00001 - 32T49999	56T00001 - 56T49999		
	32U00001 - 32U49999	56U00001 - 56U49999		

COMPLIES WITH THE RELEVANT PROVISIONS OF THE MACHINERY DIRECTIVE (2006/66/EC)

Complies with the provisions of the following European directives:

- 2014/30/EU EMC Directive
- 2011/65/EU ROHS Directive
- 1907/2006 REACH Regulation
- 2014/53/EU RED Directive

The following harmonised European standards have been used in whole or in part:

• EN 62133: 2013

CONCLUDED AT PERTUIS, DATED 25/02/2019 JEAN-MARC GIALIS CEO



11.5. "EU" DECLARATION OF CONFORMITY: CB5010HV CHARGER

MANUFACTURER	PELLENC				
ADDRESS	Quartier (France)	Notre-Dame	-	84120	Pertuis

ENTITY AUTHORIZED TO COMPILE THE TECHNICAL FILE	PELLENC
ADDRESS	Quartier Notre-Dame - 84120 Pertuis (France)

We hereby declare that the machine hereinafter referred to as:

GENERIC DENOMINATION	BATTERY CHARGER			
FUNCTION	Designed to charge Pellenc batteries	Designed to charge Pellenc batteries		
COMMERCIAL NAME	СВ	СВ		
TYPE	1 A	1 A		
MODEL	CB5010HV	CB5010HV		
SERIAL No.	32S00001 - 32S49999	56S00001 - 56S49999		
	32T00001 - 32T49999	56T00001 - 56T49999		
	32U00001 - 32U49999 56U00001 - 56U49999			

COMPLIES WITH THE RELEVANT PROVISIONS OF THE MACHINERY DIRECTIVE (2014/35/EC)

Complies with the provisions of the following European directives:

- 2014/30/EU EMC Directive
- 2011/65/EU ROHS Directive
- 1907/2006 REACH Regulation
- 2012/19/EU WEEE Directive

The following harmonised European standards have been used in whole or in part:

- EN 60335-1:2012 / A11:2014
- EN 60335-2-29:2004 / A2:2010
- EN 62233:2008
- EN 55014-1:2006 / A2:2011
- EN 55014-2:1997 / A2:2008
- EN 61000-3-2:2014
- EN 61000-3-3:2013

CONCLUDED AT PERTUIS, DATED 11/02/2019 JEAN-MARC GIALIS CEO



11.6. "EU" DECLARATION OF CONFORMITY: CB5004 CHARGER

MANUFACTURER	PELLENC	
ADDRESS	Quartier Notre-Dame - 84120 Pertuis (France)	
ENTITY AUTHORIZED TO COMPILE THE TECHNICAL FILE	PELLENC	
ADDRESS	Quartier Notre-Dame - 84120 Pertuis (France)	

We hereby declare that the machine hereinafter referred to as:

GENERIC DENOMINATION	BATTERY CHARGER		
FUNCTION	Designed to charge Pellenc batteries		
COMMERCIAL NAME	CB		
TYPE	A		
MODEL	CB5004HV		
SERIAL No.	26S00001 - 26S49999	32S00001 - 32S49999	56S00001 - 56S49999
	26T00001 - 26T49999	32T00001 - 32T49999	56T00001 - 56T49999
	26U00001 - 26U49999	32U00001 - 32U49999	56U00001 - 56U49999

COMPLIES WITH THE RELEVANT PROVISIONS OF THE MACHINERY DIRECTIVE (2014/35/EC)

Complies with the provisions of the following European directives:

- 2014/30/EU EMC Directive
- 2011/65/EU ROHS Directive
- 1907/2006 REACH Regulation
- 2012/19/EU WEEE Directive

The following harmonised European standards have been used in whole or in part:

- EN 60335-1:2012 / A11:2014
- EN 60335-2-29:2004 / A2:2010
- EN 62233:2008
- EN 55014-1:2006 / A2:2011
- EN 55014-2:1997 / A2:2008
- EN 61000-3-2:2014
- EN 61000-3-3:2013

CONCLUDED AT PERTUIS, DATED 11/02/2019 JEAN-MARC GIALIS CEO



PELLENC

Quartier Notre Dame - 84120 Pertuis (France)

