

ENG

Translation of original user guide



CHAINSAW SELION C21 HD

Operating instructions

51_149277-B
09/2020

READ THE USER GUIDE CAREFULLY BEFORE USE

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1. INTRODUCTION

Dear Customer,

Thank you for purchasing your Chainsaw Selion C21 HD. 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: NOTE, IMPORTANT, ATTENTION and WARNING.

The points marked "NOTE" indicate additional information.

The points marked "IMPORTANT" warn the user of a potential risk to the equipment.

The points marked "ATTENTION" warn the user of a potentially hazardous situation which if not avoided leads to minor injuries.

The points marked "WARNING" warn the user of a potentially hazardous situation which if not avoided leads to serious injury or death.

The warning  indicates that damage resulting from failure to comply with the procedures and instructions is not covered by the warranty and the owner will be liable for any 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 Section 2.7, "Safety signage" for the location diagram of the safety stickers affixed to the tool.

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2. SAFETY

2.1. INTENDED USAGE

- The Chainsaw Selion C21 HD is intended for cutting only wood and branches up to a diameter corresponding to the length of the chainsaw guide bar.
- The Chainsaw Selion C21 HD should not be used for ground use.
- The Chainsaw Selion C21 HD is intended to be used only by trained tree-climber operators for tree pruning.
- The Chainsaw Selion C21 HD is intended for outdoor use only.
- The Chainsaw Selion C21 HD is not intended for any other use.
- Mounting of parts on the Chainsaw Selion C21 HD is authorized only for original or manufacturer-approved spare parts (chain guides or saw chains for example) as well as for authorized chain guide / saw chain combinations as indicated in the manual.
- The user is responsible for any accident resulting from improper use or unauthorized modification of the Chainsaw Selion C21 HD.



Warning

This Chainsaw must only be used by operators qualified in tree pruning. Use without proper training may result in serious injury.

2.2. GENERAL SAFETY WARNINGS FOR THE TOOL



Avertissement

Read all the safety measures and all the instructions.

Retain all the safety measures and instructions for later reference.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or preliminary instructions by a person responsible for their safety.

2.2.1. 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 an explosive atmosphere, for example in the presence of flammable liquids, gases or dust.** Power tools create sparks, which may ignite the dust or fumes.
3. **Keep children and bystanders away while operating the power tool.** Distractions can cause you to lose control of the tool.

2.2.2. ELECTRICAL SAFETY

1. **The power tool connector must be adapted to the socket. Never modify the connector in any way whatsoever. Do not use adapter plugs with earthed (grounded) power tools.** Unmodified plugs and suitable sockets reduce the risk of electric shock.
2. **Avoid contact with earthed surfaces such as pipes, radiators, cookers, and refrigerators.** There is an increased risk of electric shock if your body is in direct contact with the ground.
3. **Do not expose power tools to rain or damp conditions.** The entry of water into a power tool increases the risk of electric shock.
4. **Do not mishandle the power cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges and moving parts.** Damaged or entangled cords increase the risk of electric shock.

5. **Use an extension cord suitable for outdoor use when operating power tools outdoors.** Use a cord suitable for outdoors to reduce the risk of electric shock.
6. **Use a power supply protected by a residual current device (RCD) when the power tool is operated in a damp location.** Use of an RCD reduces the risk of electric shock.

Note

The term “Residual Current Device” (RCD) can be replaced by “Ground Fault Circuit Interrupter” (GFCI) or “Earth Leakage Circuit Breaker” (ELCB).

2.2.3. PERSONAL SAFETY

1. **Stay alert, watch what you are doing, and use common sense when operating the power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention when using a power tool can result in serious personal injury.
2. **Use personal protective equipment. Always wear eye protection.** Safety equipment such as dust masks, non-slip safety shoes, helmets, or ear protection used at the appropriate times reduces injuries.
3. **Avoid accidental starting of the tool. Make sure the switch is in the off position before you connect the tool to the power source and/or battery pack, pick it up, or carry it.** Carrying a power tool with your finger on the switch or connecting a power tool with the switch in the ‘on’ position can cause accidents.
4. **Remove any adjusting wrench before switching the electric tool on.** A wrench left attached to a rotating part can cause injury.
5. **Do not rush. Keep proper footing and balance at all times.** This provides better control of the power tool in unexpected situations.
6. **Dress appropriately. Do not wear loose clothing or jewellery. Keep hair and clothing away from moving parts.** Loose clothes, jewellery or long hair can get caught in moving parts.
7. **If devices are provided for connecting dust extraction and collection equipment, ensure that these are connected and properly used.** Use dust collectors to reduce the risk caused by dust.

2.2.4. USE AND CARE OF THE POWER TOOL

1. **Do not force the power tool. Use the power tool suited for the job.** The adapted power tool does the work better and more safely at the speed it was built to operate at.
2. **Do not use the power tool if the switch does not allow it to be switched on and off.** Power tools that cannot be controlled by a switch are dangerous and must be repaired.
3. **Unplug the tool from the socket or remove the battery (if possible) before any adjustment, change of accessory or storage.** These preventive safety measures reduce the risk of accidentally starting the power tool.
4. **When not in use, keep power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate it.** Power tools are dangerous when operated by inexperienced users.
5. **Maintenance of the power tool and its accessories is mandatory. Check that the moving parts are not out of alignment or jammed, that there are no broken parts or that there is no other condition which could affect the operation of the power tool. If damaged, repair the power tool before using it.** Many accidents are due to poorly maintained power tools.
6. **Keep the cutting elements sharp and clean.** Properly maintained cutting tools with sharp cutting elements are less likely to jam and are easier to control.
7. **Use the power tool, accessories, blades, etc. in accordance with these instructions, taking into account the working conditions and the work to be done.** Using the power tool for operations other than those specified can result in hazardous situations.

2.2.5. USE OF BATTERY OPERATED TOOLS AND PRECAUTIONS FOR USE

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, wash away with water. If liquid contacts eyes, seek additional medical help.** Liquid ejected from the battery may cause irritation or burns.

2.2.6. UPKEEP

1. **Have the power tool serviced by a qualified technician using only identical spare parts.** This ensures the continued safety of the power tool.

2.2.7. TOOL'S END OF LIFE MANAGEMENT

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

2.3. CHAIN SAW SAFETY WARNINGS



Warning

This chain-saw is for use by trained tree service operators only. Use without proper training may result in serious injury.

1. **Keep all parts of your body away from the chain when the chainsaw is operating. Before you start the chain saw, make sure the saw chain is not contacting anything.** A moment of inattention while operating chain saws may cause entanglement of your clothing or body with the saw chain.
2. **Always hold the chain saw with your right hand on the rear handle and your left hand on the front handle.** Holding the chain saw with a reversed hand configuration increases the risk of personal injury and should never be done.
3. **Hold the power tool by insulated gripping surfaces only, because the saw chain may contact hidden wiring or its own cord.** Saw chains contacting a «live» wire may make exposed metal parts of the power tool «live» and could give the operator an electric shock.
4. **Wear safety glasses and hearing protection. Further protective equipment for head, hands, legs and feet is recommended.** Adequate protective clothing will reduce personal injury by flying debris or accidental contact with the saw chain.
5. **Do not operate a chain saw in a tree.** Operation of a chain saw while up in a tree may result in personal injury.
6. **Always keep proper footing and operate the chain saw only when standing on fixed, secure and level surface.** Slippery or unstable surfaces such as ladders may cause a loss of balance or control of the chain saw.
7. **When cutting a limb that is under tension be alert for spring back.** When the tension in the wood fibres is released the spring loaded limb may strike the operator and/or throw the chain saw out of control.
8. **Use extreme caution when cutting brush and saplings.** The slender material may catch the saw chain and be whipped toward you or pull you off balance.
9. **Carry the chain saw by the front handle with the chain saw switched off and away from your body. When transporting or storing the chain saw always fit the guide bar cover.** Proper handling of the chain saw will reduce the likelihood of accidental contact with the moving saw chain.
10. **Follow instructions for lubricating, chain tensioning and changing accessories.** Improperly tensioned or lubricated chain may either break or increase the chance for kickback.
11. **Keep handles dry, clean, and free from oil and grease.** Greasy, oily handles are slippery causing loss of control.
12. **Cut wood only. Do not use chain saw for purposes not intended. For example: do not use chain saw for cutting plastic, masonry or non-wood building materials.** Use of the chain saw for operations different than intended could result in a hazardous situation.

2.4. CAUSES AND OPERATOR PREVENTION OF KICKBACK

Kickback may occur when the nose or tip of the guide bar touches an object, or when the wood closes in and pinches the saw chain in the cut.

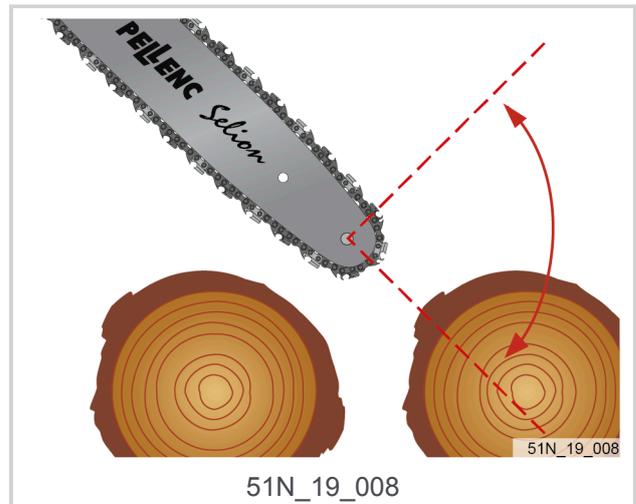
Tip contact in some cases may cause a sudden reverse reaction, kicking the guide bar up and back towards the operator.

Pinching the saw chain along the top of the guide bar may push the guide bar rapidly back towards the operator.

Either of these reactions may cause you to lose control of the saw which could result in serious personal injury. Do not rely exclusively upon the safety devices built into your saw. As a chain saw user, you should take several steps to keep your cutting jobs free from accident or injury.

Kickback is the result of tool misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below:

1. **Maintain a firm grip, with thumbs and fingers encircling the chain saw handles, with both hands on the saw and position your body and arm to allow you to resist kickback forces.** Kickback forces can be controlled by the operator, if proper precautions are taken. Do not let go of the chain saw.
2. **Do not overreach and do not cut above shoulder height.** This helps prevent unintended tip contact and enables better control of the chain saw in unexpected situations.
3. **Only use replacement bars and chains specified by the manufacturer.** Incorrect replacement bars and chains may cause chain breakage and/or kickback.
4. **Follow the manufacturer's sharpening and maintenance instructions for the saw chain.** Decreasing the depth gauge height can lead to increased kickback.



2.5. PERSONAL PROTECTION EQUIPMENT

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

Note

Chain speed: 14.5 m/s. Wear safety clothes suited to this chain speed. (Class 0 as per standard EN 381). and which are not too big.

2.6. GOOD PRACTICES FOR SAFE WORKING

- Keep your left arm straight for better control.
- Hold the chainsaw at your side, and not in front of you.
- Use genuine PELLENC chains and guides.
- Keep the chain, the guide and the sprocket in good working condition.
- Stand with your legs apart and well balanced.
- Remember to vary your working position and to take regular breaks from work.

Caution



- Clear the work area before cutting.
- Calculate the point where the object you are cutting will fall.
- Take care that the chainsaw is not pushed back by the object to be cut.
- Position yourself correctly to prevent accidents.
- Never cut when on a ladder.
- Keep all other persons clear. Never have someone hold the object you are cutting.
- Cut the branches into suitably sized pieces from the outside of the tree towards the trunk.
- Be careful of branches that bounce back when they drop to the ground.

2.7. SAFETY SIGNAGE



L_{wA} sound power level guaranteed.



Compatible chain guide lengths.



Read the user guide.



Wearing of protective goggles, helmet and hearing protection is mandatory.



Suitable hand, forearm, leg and foot protection is mandatory.



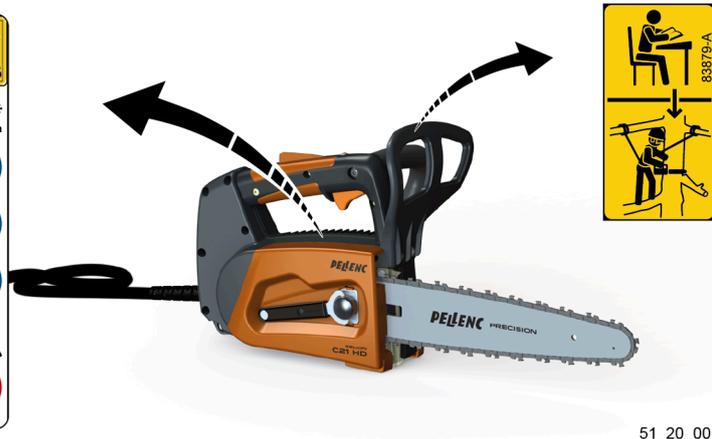
Risk of burns (motor).



Do not expose to rain.



This chainsaw is for trained tree service operators only.



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2.8. WORKING WITH TREE SERVICE HAND-HELD CHAINSAWS USING A ROPE AND HARNESS

2.8.1. OVERVIEW

This annex sets out working practices aimed at reducing the risk of injury from tree service chainsaws when working at height from a rope and harness. While it may form the basis of guidance and training literature, it should not be regarded as a substitute for formal training. The guidance given in this annex is only an example of best working practice. National laws and regulations should always be followed.

It presents:

- general requirements that should be met before using a tree service chainsaw for work at height from a rope and harness,
- preparations for using a tree service chainsaw from a rope and harness, and
- use of a tree service chainsaw for pruning and dismantling, including secure work positioning for two-handed use, starting the chainsaw, cutting with the chainsaw, restrictions on one-handed use and freeing a trapped saw.

2.8.2. GENERAL REQUIREMENTS

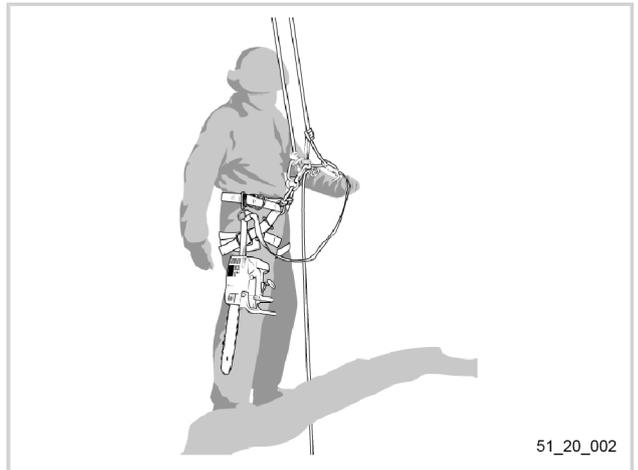
Operators of tree service chainsaws working at height from a rope and harness should never work alone. A ground worker trained in appropriate emergency procedures should assist them.

Operators of tree service chainsaws for this work should be trained in general safe climbing and work positioning techniques and be properly equipped with harnesses, ropes, strops, shackles and other equipment for maintaining secure and safe working positions for both themselves and the saw.

2.8.3. PREPARING TO USE THE CHAINSAW UP IN A TREE

The chainsaw should be fitted with a suitable strop for attachment to the operator’s harness.

1. Secure the strop around the attachment point on the rear of the chainsaw;
2. provide suitable shackles to allow indirect (i.e. via the strop) and direct attachment (i.e. at the attachment point on the saw) of the saw to the operator’s harness;
3. ensure the saw is securely attached when it is being sent up to the operator;
4. ensure the saw is secured to the harness before it is disconnected from the means of ascent.



The ability to directly attach the saw to the harness reduces the risk of damage to equipment when moving around the tree. Always switch the saw off when it is directly attached to the harness.

The saw should only be attached to the recommended attachment points on the harness. These may be at mid-point (front or rear) or at the sides. Where possible, attach the saw to the centre rear mid-point to keep it clear of climbing lines and to support its weight centrally down the operator’s spine.

When moving the saw from any one attachment point to another, operators should ensure it is secured in the new position before releasing it from the previous attachment point.



2.8.4. USING CHAINSAW IN THE TREE

An analysis of accidents with these saws during tree service operations shows the primary cause as being inappropriate one-handed use of the saw. In the vast majority of accidents, operators fail to adopt a secure work position that allows them to hold both handles of the saw. This results in an increased risk of injury due to

- not having a firm grip on the saw if it kicks back,
- a lack of control of the saw, such that it is more likely to come into contact with climbing lines and the operator’s body (particularly the left hand and arm), and
- loss of control owing to an insecure work position and resulting in contact with the saw (unexpected movement during operation of the saw).

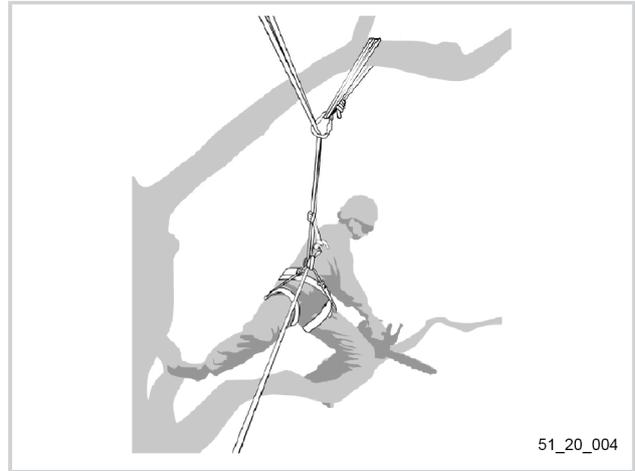
2.8.5. SECURING THE WORK POSITION FOR TWO-HANDED USE

In order to allow the saw to be held with both hands, as a general rule operators should aim for a secure work position in which they operate the saw at

- hip level, when cutting horizontal sections, and
- solar plexus level, when cutting vertical sections.

Where the operator is working close into vertical trunks with low lateral forces on the work position, then a good footing could be all that is needed to maintain a secure work position. However, as operators move away from the trunk, they will need to take steps to remove or counteract the increasing lateral forces by, for example, a redirect of the main line via a supplementary anchor point or use of an adjustable strop direct from the harness to a supplementary anchor point.

Gaining a good footing at the working position can be assisted by the use of a temporary foot stirrup created from an endless sling.



2.8.6. USING ONE-HANDED CHAINSAW

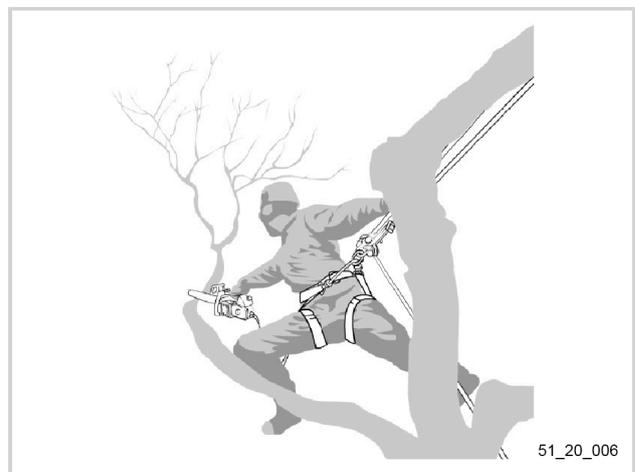
Operators should not use tree service chainsaws one-handed when work position is unstable or in preference to a handsaw when cutting small diameter wood at the branch tips.

Tree service chainsaws should only be used one-handed where:

- operators cannot gain a work position enabling two-handed use, and
- they need to support their working position with one hand, and
- the saw is being used at full stretch, at right angles to and out of line with the operator's body.

Operators should never:

- cut with the kickback zone at the tip of the chainsaw guide bar,
- "hold and cut" sections, or
- attempt to catch falling sections.



2.8.7. FREEING A TRAPPED SAW

If the saw becomes trapped during cutting, operators should:

- switch off the saw and attach it securely to the tree inward (i.e. towards the trunk side) of the cut or to a separate tool line,
- pull the saw from the blockage whilst lifting the branch as necessary,
- if necessary, use a handsaw or second chainsaw to release the trapped saw by cutting a minimum of 30 cm away from the trapped saw.

Whether a handsaw or a chainsaw is used to free a trapped saw, the release cuts should always be outward (toward the tips of the branch), in order to prevent the saw being taken with the section and further complicating the situation.

2.9. RESIDUAL RISKS

Despite compliance with the intended usage of the Chainsaw Selion C21 HD, there are always residual risks.

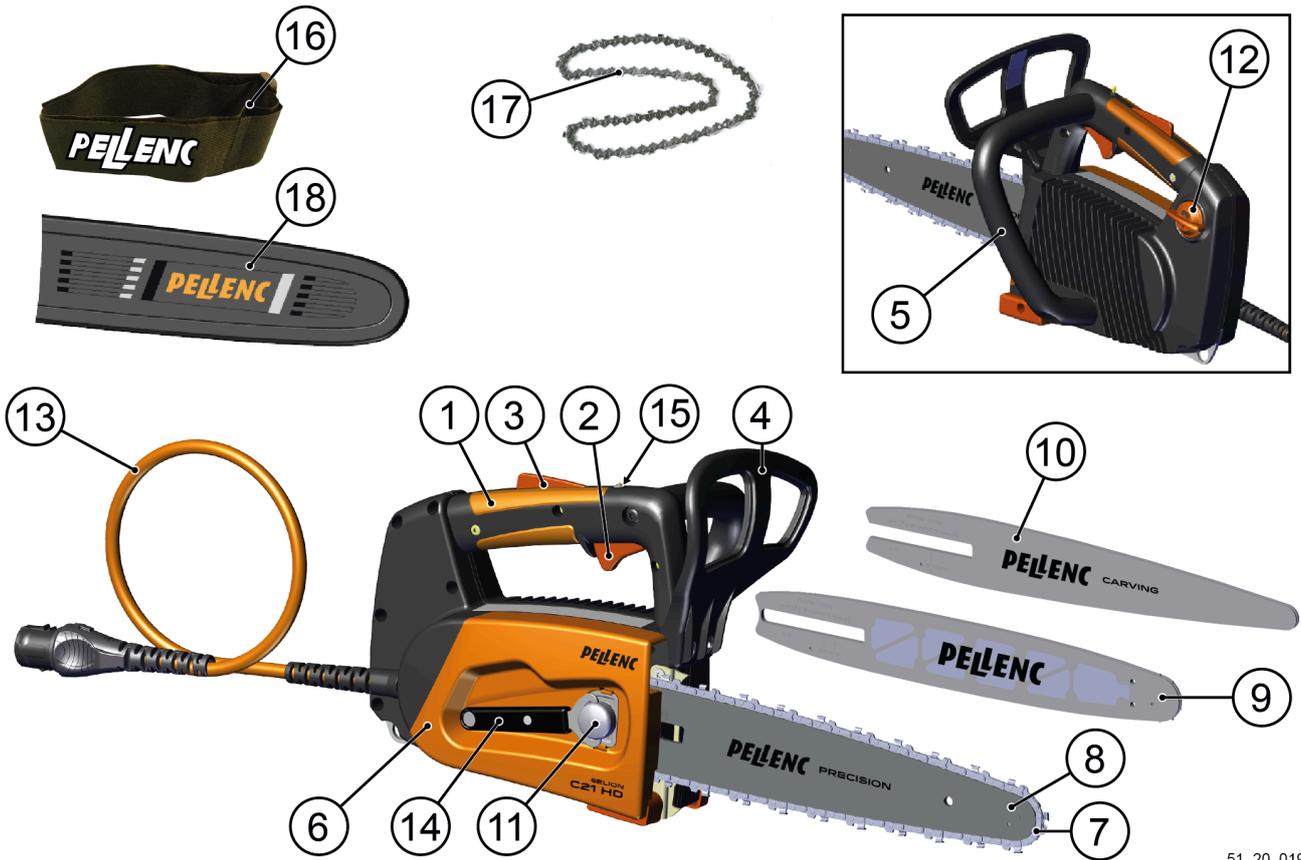
The following potential risks may apply:

- Risk of cuts due to contact with exposed saw teeth of the Chainsaw Selion C21 HD
- Risk of cuts due to contact with the moving chain
- Risk of cuts due to unexpected and sudden movement of the guide bar
- Risk of cutting or piercing injuries related to the projection of parts of the Chainsaw Selion C21 HD
- Risk of projections of splinters, bark, etc. while sawing
- Risk of allergy related to skin contact with chain oil
- Risk of fire resulting from cutting of certain particularly flammable wood species
- Risk of electrification / electrocution in the event of contact or proximity between the chainsaw and live cables.
- Risk of the user falling from a tree, related to the risks inherent in the practice of pruning at height.
- Aggravated risk of falling if the user cuts the rope with which secures his position in the tree.

3. DESCRIPTION AND TECHNICAL CHARACTERISTICS

3.1. DESCRIPTION

3.1.1. DESCRIPTION OF THE TOOL



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- | | |
|---|--|
| 1. Handle | 10. Carving chain guide (Optional) |
| 2. Operating trigger | 11. Chain guard tightening nut |
| 3. Safety trigger | 12. Oil tank cap |
| 4. Hand protection | 13. Tool power cable |
| 5. Left-hand handle | 14. Telescopic tightening wrench |
| 6. Chain casing | 15. "On" light |
| 7. Precision guide saw chain | 16. Arm band |
| 8. Precision chain guide (available as an option) | 17. Standard and Carving Guide Chain (serial sold) |
| 9. Standard chain guide (Sold as standard) | 18. Chain guide protector |

3.1.2. AUTOMATIC CHAIN TENSIONING SYSTEM

The automatic chain tensioning (PELENC innovation) facilitates tool maintenance!

The automatic chain tensioning system (PELENC innovation) facilitates the installation of the chain and its tension adjustment. Position the guide, and clip it, the guide is in position! You can permanently lock it in position using the retractable wrench (14) (PELENC innovation).

The automatic chain tensioning along with the PELENC retractable wrench can also be used to retighten the guide in a few seconds: no need for additional wrenches!

3.2. TECHNICAL FEATURES

3.2.1. GENERAL CHARACTERISTICS

	Selion C21 HD
Battery life	Depends on use and battery type
NOMINAL VOLTAGE	43.2 V
Chain oil tank capacity	25 cl
Useful cutting length / chain guide	See the chart Section 3.2.2, "Chains and chain guides compatibility"
Chain Type / Pitch / Gauge	
Battery compatibility	ALPHA 260 / ALPHA 520 / ULIB 700 / ULIB 750 / OLIVION +
Sprocket wheel	11-tooth 1/4"
Chain speed	14.5 m/s
Weight of tool without guide or chain	2.55 kg

3.2.2. CHAINS AND CHAIN GUIDES COMPATIBILITY

Chain guide type	Chain guide size (useful cutting length)	Chain pitch	Chain gauge	Chain guide reference	Chain reference
Standard chain guide (sold as standard)	28 cm (11")	6.35mm (1/4")	1.3mm (0.05")	72884	81794
Optional carving chain guide (available as an option)	28 cm (11")	6.35mm (1/4")	1.3mm (0.05")	80344	81794
Precision chain guide (available as an option)	27 cm (10.4")	6.35mm (1/4")	1.1mm (0.04")	145550	14589

3.2.3. CHARGERS AND BATTERIES COMPATIBILITY

Battery	Charger	Remarks
ALPHA 260	CB5022; CB5022HV	*with adapter cord ref. 57238
ALPHA 520	CB5022; CB5022HV	*with adapter cord ref. 57238
ULiB 700	CB5022; CB5022HV	*with adapter cord ref. 57237
ULIB 750	CB5022; CB5022HV	*with adapter cord ref. 57237
OLIVION+	CB5022; CB5022HV	*with adapter cord ref. 57237

3.2.4. NOISE LEVELS

Determination of the sound levels is based on the operating conditions at the nominal maximum speed.

Noise value measured by EN 60745-1 and EN ISO 60745-2-13	
Level of acoustic pressure measured at the work position (uncertainty of $K_{pA} = 3.0$ dB (A))	$L_{pA}=85$ dB(A)

Guaranteed sound power according to Directive 2000/14 /EC $L_{wAd} = 100 \text{ dB(A)}$ **3.2.5. VIBRATION LEVELS**

Determination of the vibration levels is based on the operating conditions at the nominal maximum speed.

Vibration level according to 60745-1 of EN 60745-2-13Vibration emission value (measurement uncertainty $K = 1.5 \text{ m / s}^2$)per $h = 2.54 \text{ m/s}^2$

4. COMMISSIONING



Warning

Ⓒ To ensure the proper functioning of the tool, all commissioning procedures must be carried out before using it for the first time.

4.1. CONTENT OF THE KIT

Make sure the carton contains:

- A Chainsaw Selion C21 HD that comes with:
 - 1 chain guide (9),
 - 1 saw chain (17),
 - 1 chain guard (18),
 - 1 arm band (16),
 - 1 user guide,
 - 1 warranty card.

4.2. USEFUL TIPS FOR COMMISSIONING



Caution

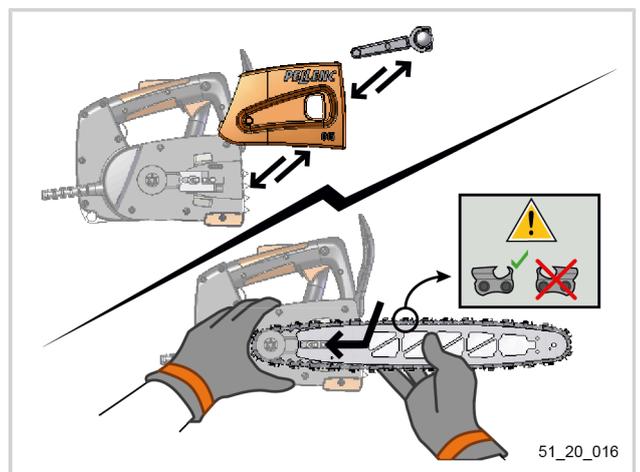
Always disconnect the tool battery before starting tool maintenance operations.

- Use products recommended by PELLENC.
- In the event of any problem, consult an authorised PELLENC distributor.

4.3. ASSEMBLY OF THE CHAIN AND CHAIN GUIDE (1ST USE)

The chain guide and the chain are delivered unassembled. Assemble the chain guide and the chain.

1. Make sure the battery is switched off and the connector is disconnected.
2. Remove the chain guard (6) and fit the chain guide (8, 9 or 10) into its place.
3. Push the chain guide (8, 9 or 10) towards the sprocket wheel to engage the lock.
4. Fit the chain (7) with respect to the cutting direction.
5. Refit the chain guard (6).
6. Tighten the lock nut (11) using the captive telescopic tightening wrench (14). During this operation, the automatic chain tensioning mechanism should be triggered.



Note

For more details on the procedure, consult: Section 6.4, "Replacing the chain and the chain guide".

Caution



Before the first use, check the voltage of the chain (See the procedure of Checking the tension of the chain). If the chain is slack, refer to the chain tension explanations (see procedure Section 6.5, “Automatic chain tension”).

4.4. CHAIN LUBRICATION (FIRST USE)

4.4.1. FILLING THE CHAIN OIL RESERVOIR

Before the first use, it is essential to fill the chain oil reservoir with the specific chain and guide oil (Ref.: 85920).

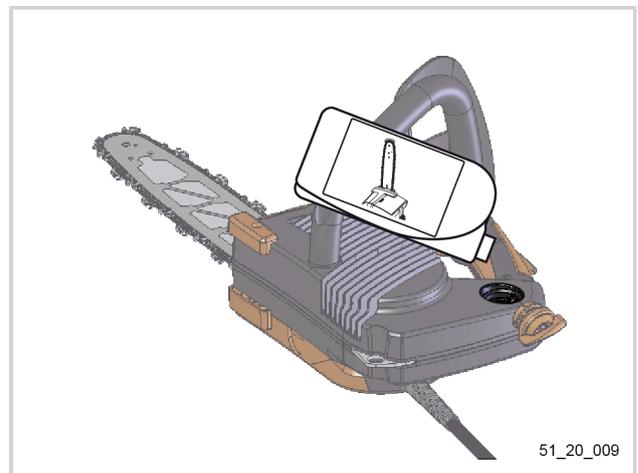
1. Unscrew the oil reservoir cap (12)
2. Carefully pour the guide and chain oil into the reservoir.
3. Screw shut the oil reservoir cap (12).
4. Release the triggers when you hear the first beep.

Important

Check the oil level every hour and top it up if necessary.

Note

PELENC recommends using a biodegradable chain oil that complies with the RAL-UZ-48 standard (ref. 85920, otherwise any oil that complies with the RAL-UZ-48 standard) Consumables sold separately.

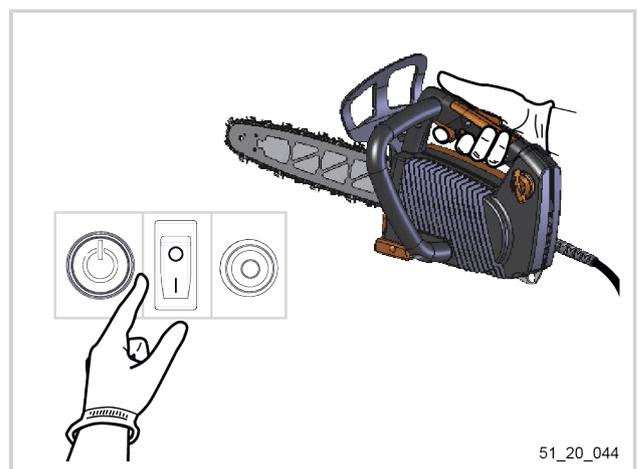


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4.4.2. FORCED LUBRICATION CYCLE

The forced lubrication cycle distributes the oil from the reservoir to the different components.

1. Press the triggers and keep them held.
2. Switch on the battery (see Section 5.2, “Switching the battery on and off”).
3. An automatic cycle starts which sends oil from the reservoir to the chain guide.
 - short beep every 20 seconds during the cycle.
 - 3 beeps to validate the end of the cycle.
4. Release the triggers when you hear the first beep.



51_20_044

Note

Once all commissioning procedures have been completed, the tool is ready for use

4.5. FITTING THE BATTERY ON THE HARNESS

To mount the battery on your harness, refer to the mounting instructions provided with your harness.

Important

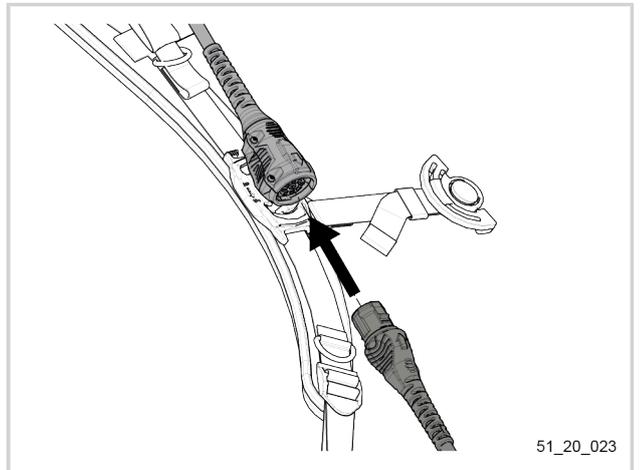
After mounting, the battery must be solidly attached and secured on your harness. If this is not the case then the mounting needs to be re-checked.

4.6. CONNECTING PELLENC BATTERIES TO THE TOOL**Important**

Always check the remaining battery-life before use. If necessary, recharge the battery using the charger.

To prolong the life of the connectors, it is advisable to protect them when they are disconnected. Avoid leaving the connectors in contact with abrasive or dirty surfaces, or subjecting them to major impacts (falls).

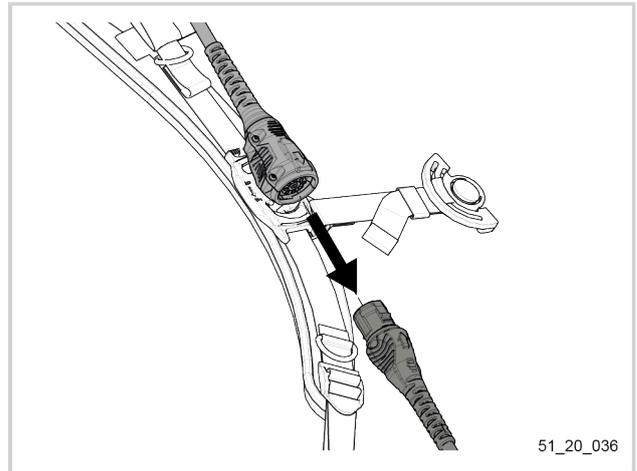
1. Connect the power cord (13) of the Chainsaw to the connector of the quick connector cord.

**4.7. DISCONNECTING PELLENC BATTERIES FROM THE TOOL****Important**

To prolong the life of the connectors, it is advisable to protect them when they are disconnected. Avoid leaving the connectors in contact with abrasive or dirty surfaces, or subjecting them to major impacts (falls).

For more information on PELLENC batteries see the battery instructions.

1. Disconnect the power cord (13) of the Chainsaw from the extension cord.



5. USING THE TOOL

5.1. ADJUSTING THE HARNESS

1. Put on your harness. To adjust your harness according to your body size, refer to the fitting instructions provided with your harness.

5.2. SWITCHING THE BATTERY ON AND OFF

5.2.1. ULIB 750 BATTERY

1. Press one of the 2 battery On/Off buttons.



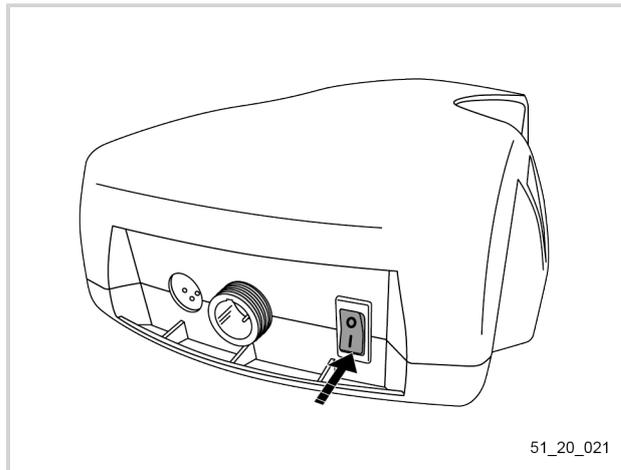
5.2.2. ALPHA 260 / ALPHA 520 BATTERY

1. Press the battery On/Off button.



5.2.3. 700 / OLIVION+ BATTERY

- Switching on: put the switch in the "0" position.
- Switching off: put the switch in the "I" position.



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5.3. HOLDING THE TOOL

1. Electrically connect the battery to your tool. Refer to the table Section 3.2.3, "Chargers and batteries compatibility"
2. Take the chainsaw by the handles and ensure nothing is touching the chain.
3. The Chainsaw is in 'start' position.

Warning



Do not cut anything other than wood.

Always keep both hands on the handles.

Ⓢ Never disconnect the power cord from the battery without checking that the On / Off switch is in the off position «0».

5.4. START-UP

1. Remove the chain guide protector.
2. Switch on the battery (see Section 5.2, "Switching the battery on and off".)

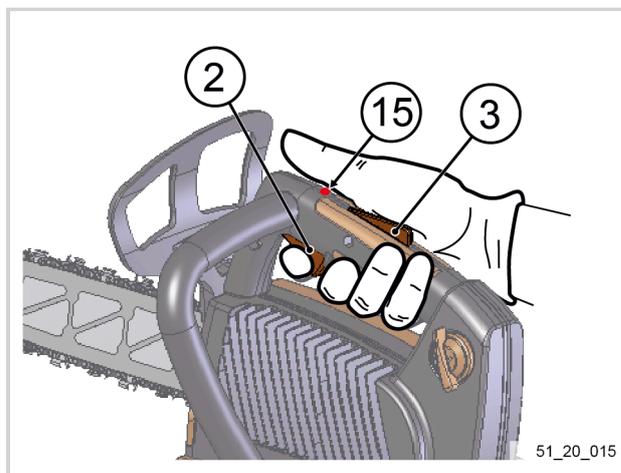
From the moment the indicator light (15) comes on and the battery emits 3 beeps, the tool is energized and ready to operate.

3. Press and hold the safety trigger (3) while holding the chainsaw by the upper handle.
4. 3- In order to ensure the Chainsaw is safe when being moved, an electronic device blocks control of the motor 3 seconds after it stops.

Press the trigger (2) twice consecutively to restart the motor.

The Chainsaw continues to turn as long as the trigger (2) is maintained pressed.

5. Release the trigger (2) to stop the motor.



51_20_015

Note

The light (15) on the handle indicates that the tool is powered on.

Warning



Ⓒ When either the guide or the chain is replaced, they must be run in by operating the tool without sawing for 1 to 2 minutes.

Check the chain tension after running in (see Section 6.5, “Automatic chain tension”).

Important

Allow the chainsaw to cut without pressing excessively.

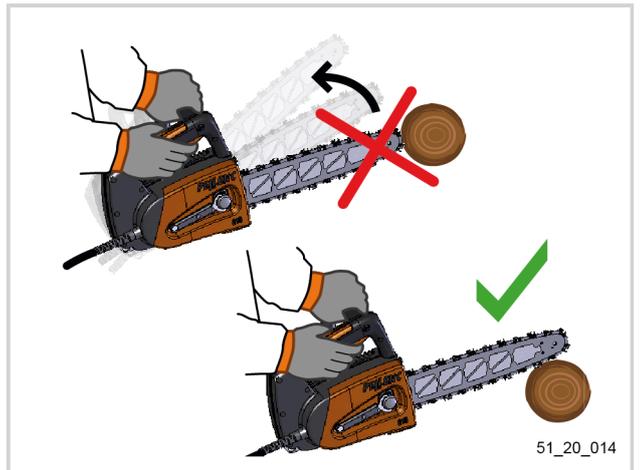
Always start the motor before bringing the chainsaw into contact with the wood.

5.5. ELECTRONIC

Your chainsaw is fitted with an impact detection system. In the event of impact (kickback) your chainsaw will stop immediately.

Important

Make sure the chain is not in contact with wood before restarting the Chainsaw.



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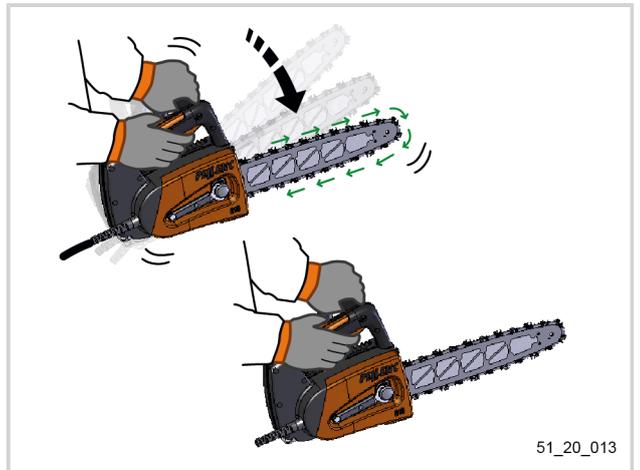
Checking the chain brake

1. Carry out sharp movements from top to bottom to activate the safety device.



Warning

Never operate the chainsaw if the safety device is not operating.



51_20_013

6. SERVICE

6.1. MAINTENANCE ADVICE



Caution

Always disconnect the tool battery before starting tool maintenance.

- Use products recommended by PELENC.
- In the event of any problem, consult an authorised PELENC distributor.

6.2. THE FOUR BASIC RULES

Your chainsaw is fitted with an impact detection system. In the event of impact (kickback) your chainsaw will stop immediately.

Rule No. 1: The chain tension must be correct

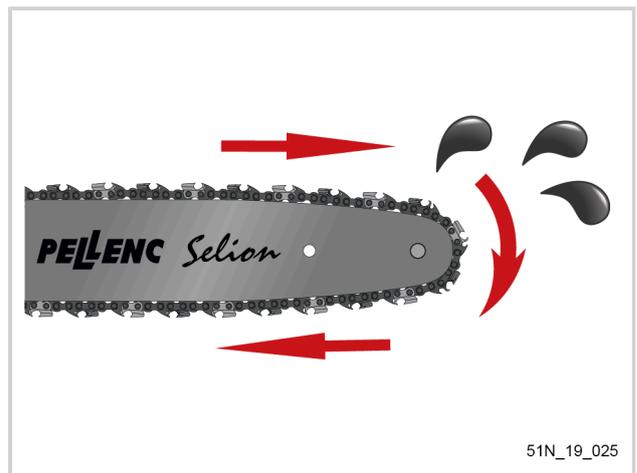
- A properly tensioned chain improves cutting performance and reduces the risk of breakage and / or derailment of the chain.
- Refer to Section 6.5, "Automatic chain tension".



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Rule No. 2: The chain must be well lubricated.

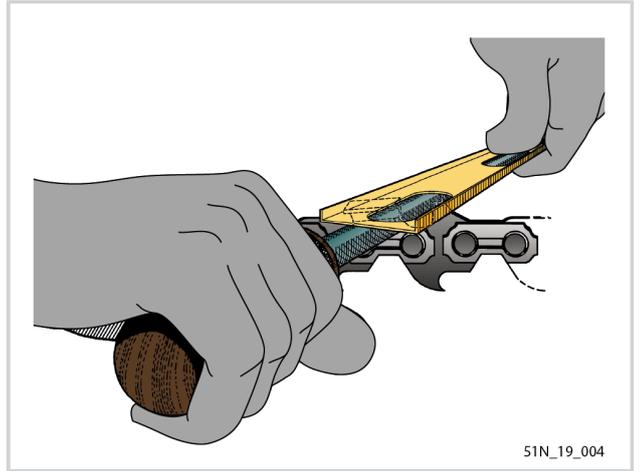
- Constant lubrication reduces wear and the risk of breakage of components and of the tool.
- Refer to Section 6.9, "Chain guide lubrication".



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Rule No. 3: The chain must be sharp.

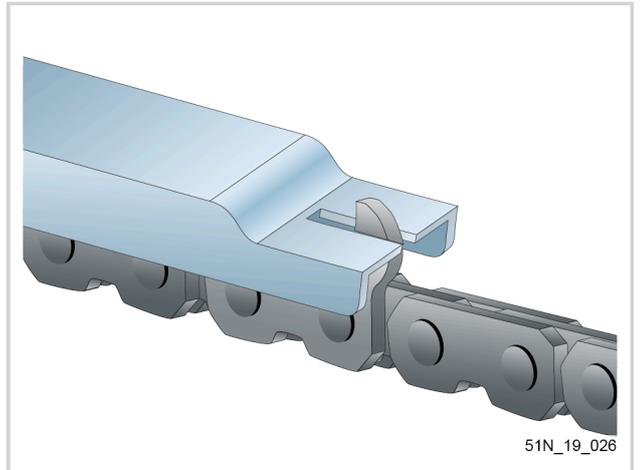
- A properly sharpened chain improves cutting performance and reduces wear.
- Refer to the Section 6.10, “Sharpening the chain”



51N_19_004

Rule No. 4: The depth limiters must be correctly adjusted.

- The depth limiters must be correctly adjusted and of the right shape to ensure good performance and safety.
- Refer to Section 6.11, “Adjusting the depth limiters”.



51N_19_026

6.3. MAINTENANCE FREQUENCY

	At each start-up	Every 2 hours	Every week	After use	Every year or when necessary
Visual inspection of the tool	X				
Functional check of the safety trigger	X				
Check and topping up of the oil	X	X			
Checking the greasing of the chain	X				
Check and tensioning of the chain	X	X			
Checking that the chain is sharp	X	X			
Checking the chain brake	X				
Cleaning and cleaning the chain guide				X	
Greasing the chain guide				X	
Checking the sprocket for wear			X		
Checking the capacity of the battery	X				
Have the tool inspected by an authorised distributor					X

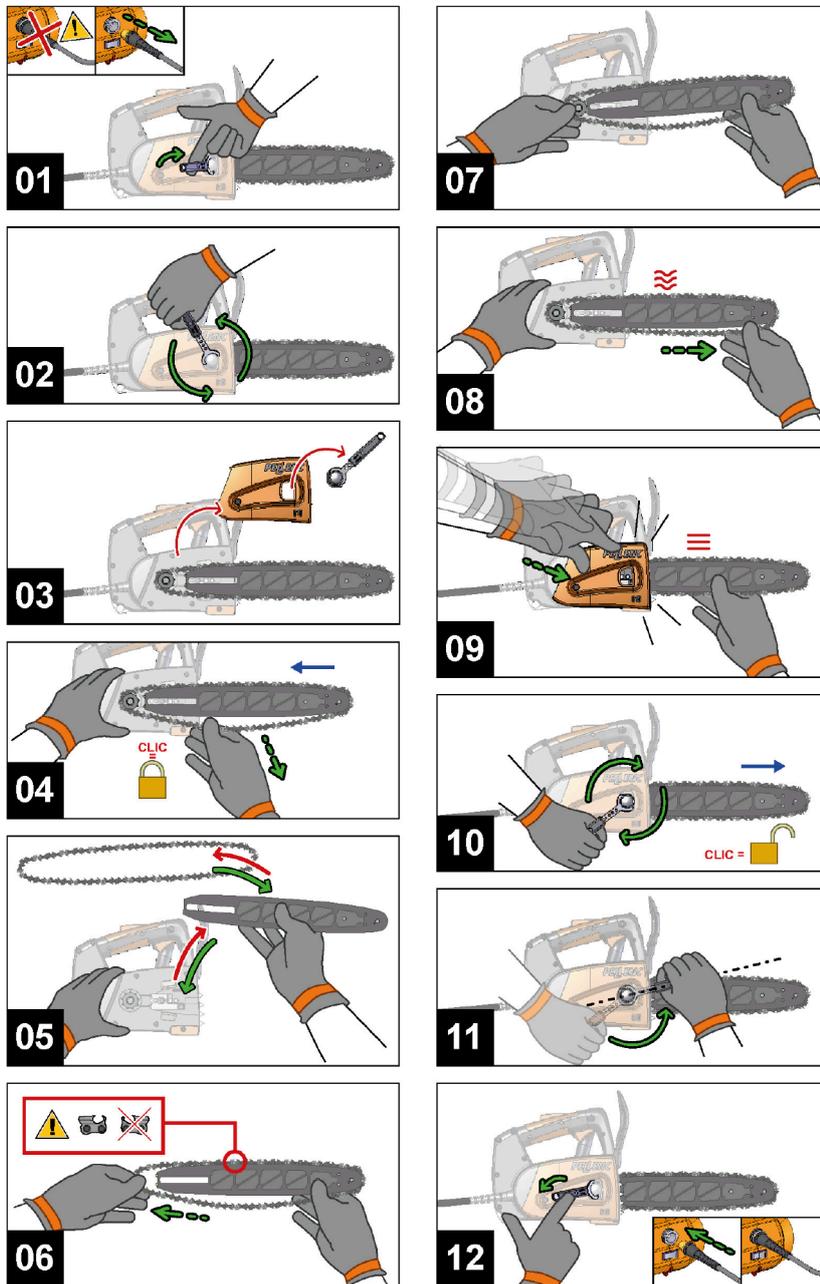


Warning

Ⓒ Have your Chainsaw overhauled every 200 hours or at least once a year.

Always make sure the tool is clean and its battery is charged before storing it.

6.4. REPLACING THE CHAIN AND THE CHAIN GUIDE



51_20_012



Warning

Ⓒ Never use a chain or a guide other than those specified by PELENC, otherwise there is a risk of personal injury.

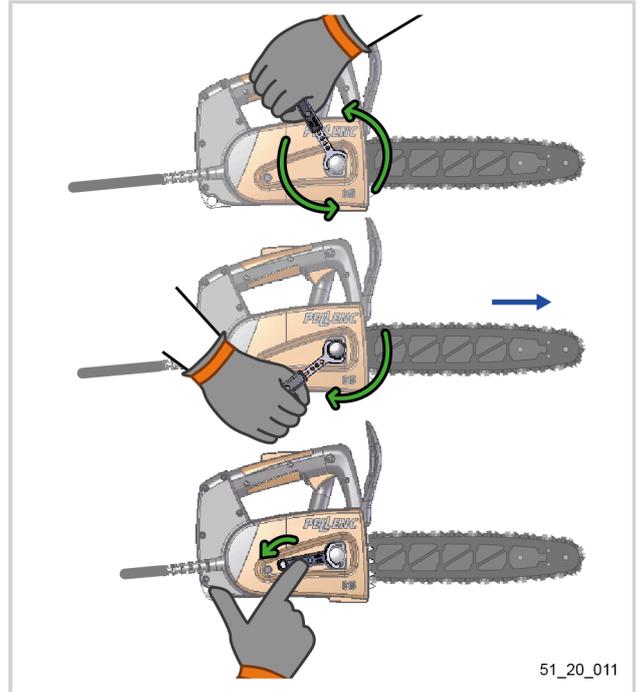
6.5. AUTOMATIC CHAIN TENSION

Important

Check and adjust the tension of the chain:

- prior to each use.
- frequently

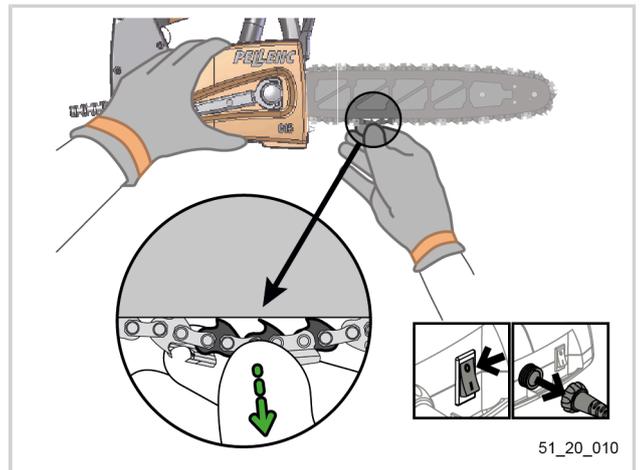
1. Loosen the chain guard tightening nut (11) by 3 turns.
2. The chain (7) is tensioning automatically when you see the guide (8, 9 or 10) moving forward.
3. Tighten the chain guard nut (11) properly using the captive telescopic wrench (14) and put the wrench handle back on its magnetic holder.



51_20_011

Checking the tension of the chain

- Check the tension by pulling the chain at the middle of the guide: 1 to 3 links must be visible for optimum chain tension.



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6.6. CHAIN LUBRICATION

Lubrication is carried out continuously thanks to the PELENC innovation of electronic oil flow management. Check that there is always oil in the reservoir to ensure continuous lubrication.

Filling the oil reservoir

1. Use special guide and chain oil (P/No. 85920).
2. Unscrew the oil reservoir cap (12)
3. Carefully pour the guide and chain oil into the reservoir.
4. Check the oil level every hour and top it up if necessary.

Note

PELENC recommends using a biodegradable chain oil that complies with the RAL-UZ-48 standard (ref. 85920, otherwise any oil that complies with the RAL-UZ-48 standard) Consumables sold separately.

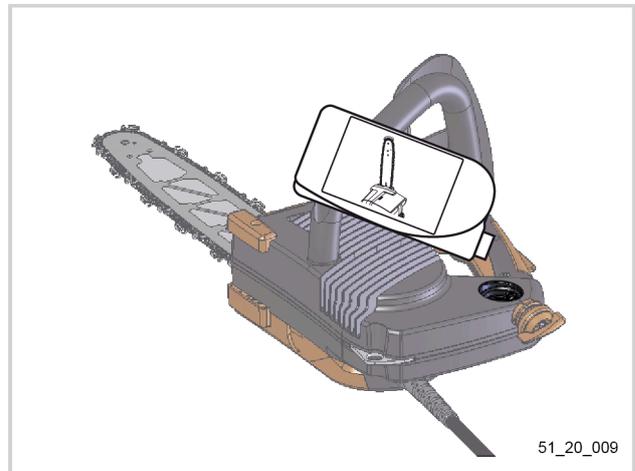
- The oil reservoir must be kept clean.
- Clean the cap and the filling area before removing the cap.
- Do not allow the oil to overflow from the reservoir; wipe off any excess oil.

Important

Ⓢ The oil reservoir is equipped with a strainer. If the oil does not reach the saw head, return the tool to your authorized distributor so that he can clean the strainer.

Ⓢ **Do not use the machine if the chain oil reservoir is empty.** Over-heating is caused by the non-respect of this instruction:

- damage the machine and may cause burns and injury to the user.
- cause of premature wear of the guide and the chain which may cause the breakage of the latter.



6.7. FORCED CHAIN LUBRICATION

The forced lubrication cycle distributes the oil from the reservoir to the mechanism.

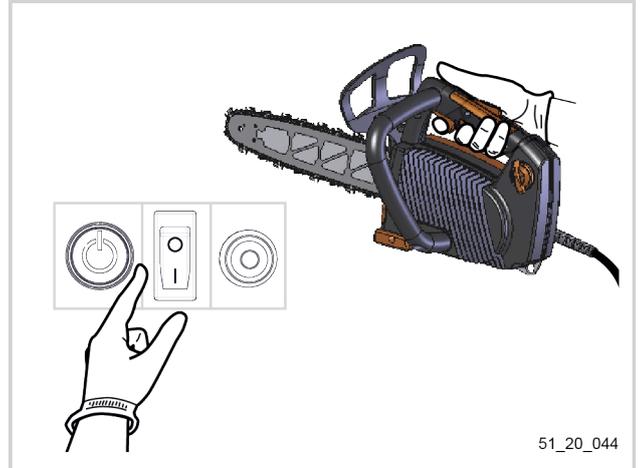
When to carry out the forced lubrication cycle?

The lubrication cycle is always carried out with the lubricant reservoir filled and:

- at the start of every season,
- whenever the mechanism lacks lubrication.

Procedure

1. Press the triggers and keep them held.
2. Switch on the battery (see Section 5.2, "Switching the battery on and off".)
3. An automatic cycle starts which sends oil from the reservoir to the chain guide.
 - short beep every 20 seconds during the cycle.
 - 3 beeps to validate the end of the cycle.
4. Release the triggers when you hear the first beep.



Important

Ⓒ Carry out a forced lubrication cycle at the start of each season in order to check the chain lubricating function.

Carry out forced lubrication whenever necessary.

6.8. FITTING THE CHAIN GUIDE

2 types of chain guide bar can be mounted on the Chainsaw: See Section 3.2.2, "Chains and chain guides compatibility".



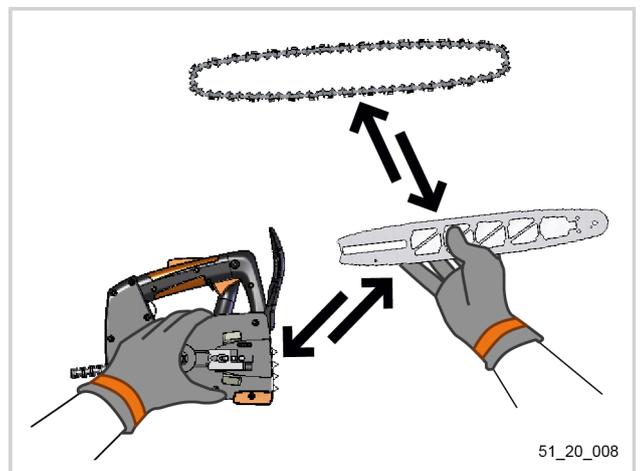
Warning

Do not use other chain guide bar than those recommended.

1. Perform the process of mounting the chain (refer to Section 4.3, "Assembly of the chain and chain guide (1st use)").
2. Replace the chain guide or turn it round if necessary.

Note

The chain guide must be replaced whenever necessary or when 3 or 4 chains have been replaced.



Turn the chain guide round every week.

6.9. CHAIN GUIDE LUBRICATION

Lubricate the chain guide every day using a grease gun (ref. 68518).

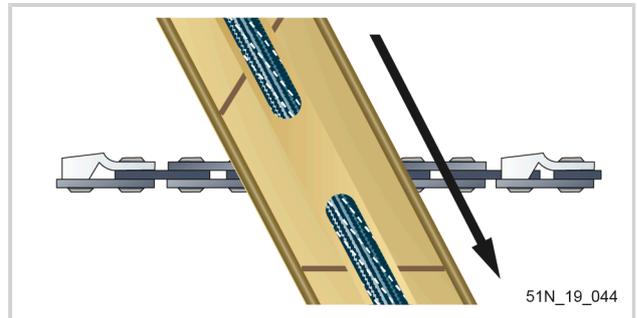
Note

Consumables are sold separately.



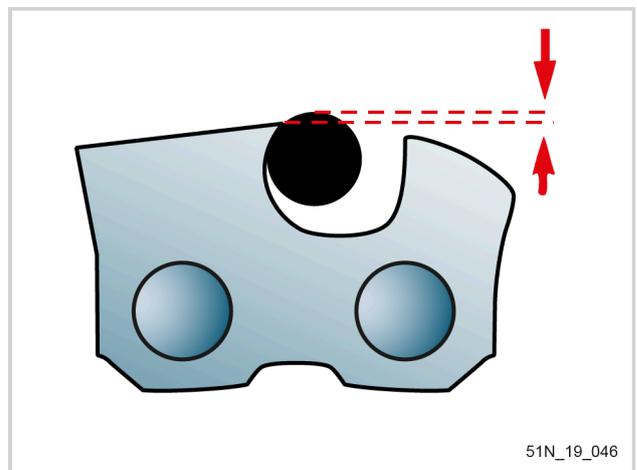
6.10. SHARPENING THE CHAIN

1. As shown on the diagram, place a file holder on the top platen and the depth limiter of the cutter.

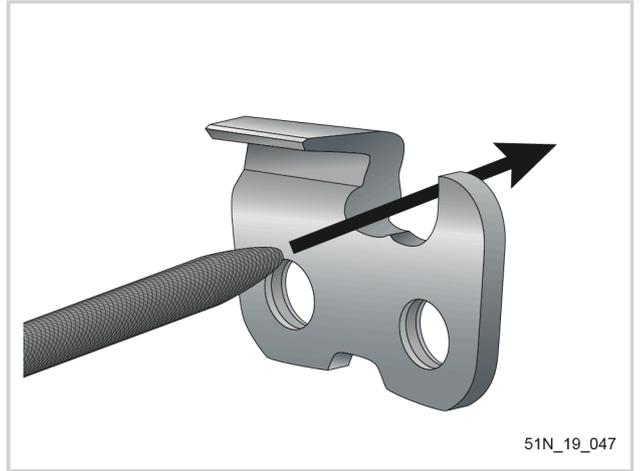


Caution

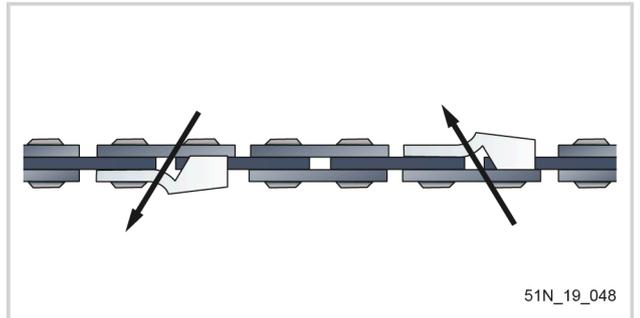
Do not file the upper side of the drive links or attachment links fitted with an anti-kickback device.



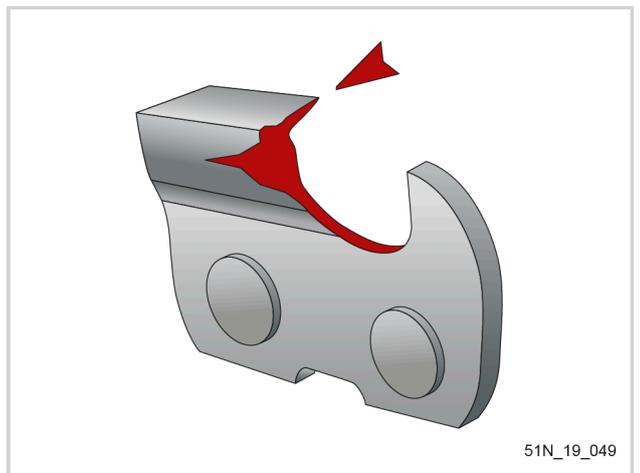
- Sharpen the cutters from one side of the chain by filing from the interior toward the exterior. Only file by pushing.



- Hold the mark on the file holder parallel with the mark on the platen. Proceed in the opposite manner for the other side.



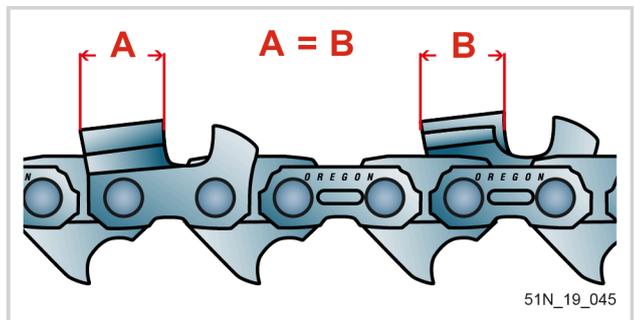
- If the side platen or the top platen is damaged, file until this part is removed.



- All the gouges must be same length.

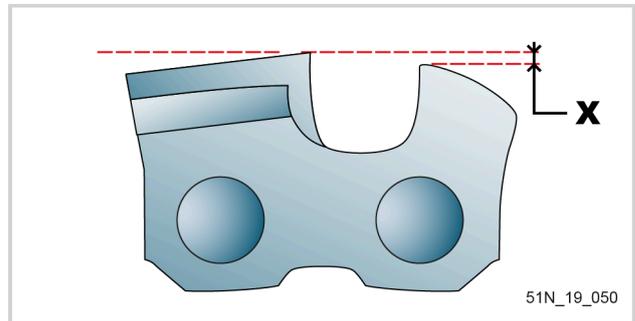
Important

After sharpening the cutters, check the depth limiters again. If the depth limiters need adjusting again, follow the instructions on page Section 6.11, "Adjusting the depth limiters".

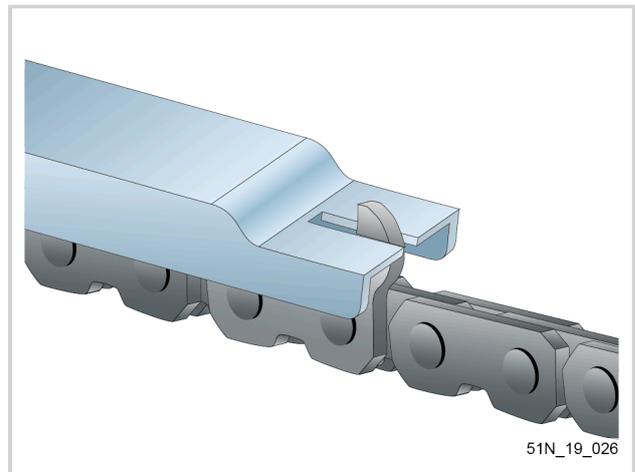


6.11. ADJUSTING THE DEPTH LIMITERS

1. Check the depth limiters every 2 or 3 sharpening operations.

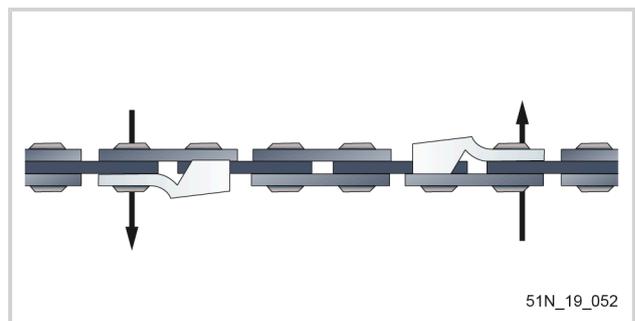
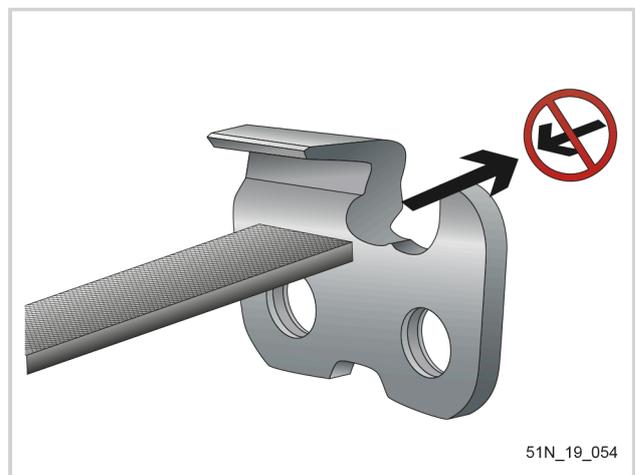


2. Use a depth gage corresponding to the type of chain to be sharpened. Place the depth gage on the gouge.



3. If the depth limiter goes beyond, file it to the level of the depth gage using a flat file.

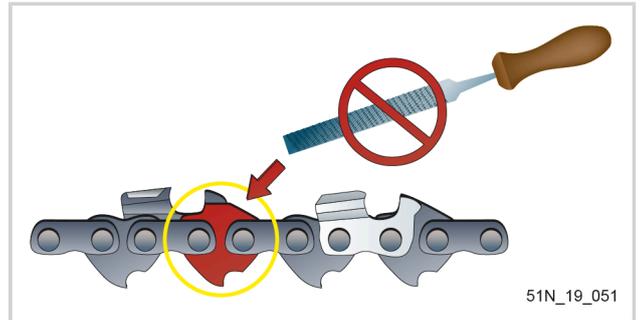
4. File from the interior of the cutter towards the exterior and away by pushing the file.





Caution

Do not file or damage the top of the drive links or the side links fitted with an anti-kickback guard.

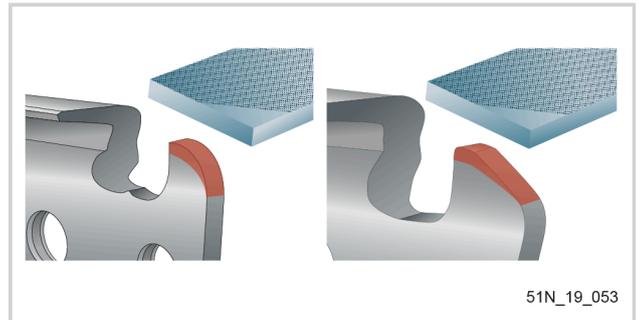


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5. After reducing the height of the depth limiters, round off the angle to maintain the original shape of the depth limiters.

Note

On chains with drive links equipped with anti-kickback guards, it may be necessary to take the chain out of the guide in order to file the depth limiters correctly.



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6.12. CHECKING AND REPLACING THE SPROCKET

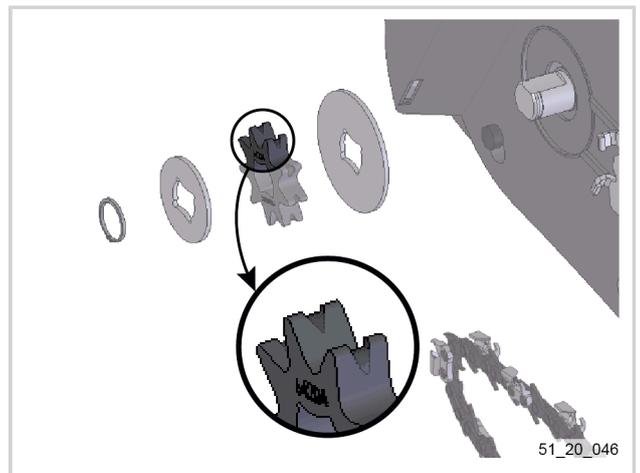
Replace the sprocket if it is damaged or every 2 chain replacements (ref. 85643).

1. Remove the chain guide (7) and the chain (6) (see. Section 6.4, "Replacing the chain and the chain guide".)
2. Remove the circlips and the sprocket
3. Replace the sprocket
4. Reinstall the assembly and pay attention to the direction of installation of the circlip.



Caution

The circlips must be replaced after each dismantling operation (ref.:01357).



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6.13. CLEANING THE CHAIN GUIDE

1. Remove the chain guide (7) and the chain (6) (refer to Section 6.4, "Replacing the chain and the chain guide").
2. Clean the groove, grease holes and the oblong hole of the chain guide.
3. Reassemble the chain guide and the chain.

Important

Repeat daily and with each site change to disinfect the tool to a minimum.

Clean the lubricating holes as often as necessary.



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6.14. CLEANING

Keep the tool clean by cleaning it frequently using a damp cloth and compressed air. Pay particular attention to the parts in contact with the wood (chain, guide).

Note

Consumables sold separately.

Important

Ⓢ Never use solvents (trichloroethylene, white spirit, petrol, etc.) to clean the tool.



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7. INCIDENTS AND TROUBLESHOOTING

Problem	Action
<p>Loss of efficiency and/or cutting quality for the Chainsaw Selion C21 HD</p>	<p>First of all check that the 4 basic rules are respected</p> <ul style="list-style-type: none"> • Chain tension: Section 6.5, "Automatic chain tension" • Chain lubrication: Section 6.9, "Chain guide lubrication" • Sharpness of the chain: Section 6.10, "Sharpening the chain" • Adjusting the depth limiters: Section 6.11, "Adjusting the depth limiters" <p>If the problem persists, then proceed to:</p> <ul style="list-style-type: none"> • cleaning the chain guide: Section 6.13, "Cleaning the chain guide" • and if using a Standard or Precision chain guide, grease the chain guide: Section 6.9, "Chain guide lubrication" <p>Check the sprocket and replace it if necessary: Section 6.12, "Checking and replacing the sprocket".</p> <p>If none of these procedures succeeds in resolving the problem, contact a certified distributor or after-sales service PELENC SAS.</p>
<p>The Chainsaw Selion C21 HD will not start</p>	<p>Check the following points:</p> <ul style="list-style-type: none"> • Check that the Chainsaw Selion C21 HD is correctly connected to the battery. • Check the battery charge level. <p>If none of these procedures succeeds in resolving the problem, contact a certified distributor or after-sales service PELENC SAS.</p>

8. STORAGE AND TRANSPORT

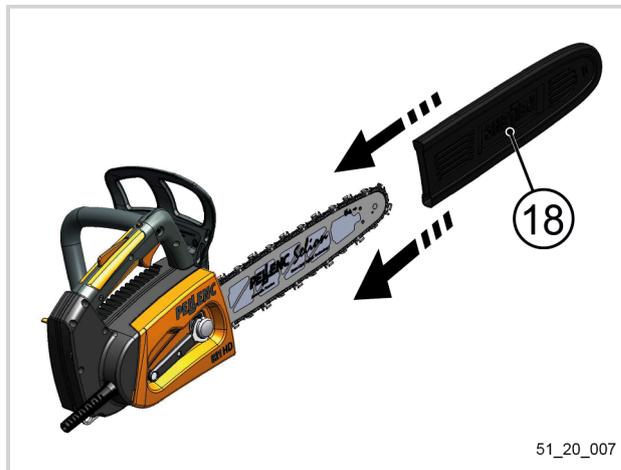
8.1. CHAIN PROTECTION

- Put on the chain protector (18) during transport and storage.
- Always clean the tool before storing it.
- Make sure the chain is sharp before storing the tool.
- Always store the tool with its chain guide greased.
- Empty the oil reservoir before storing the tool.



Warning

Never carry the Chainsaw without its protection. The chainsaw must always have its protective cover on when moved.



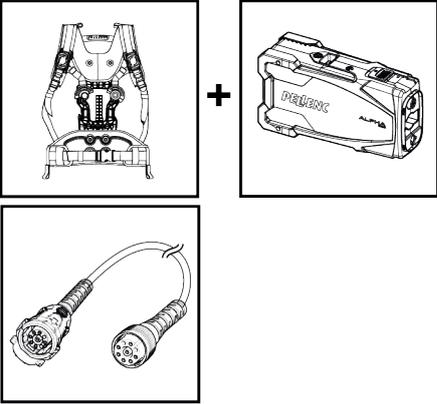
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9. ACCESSORIES AND CONSUMABLES

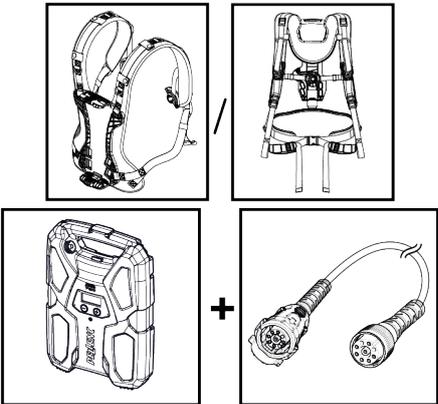
9.1. ACCESSORIES

	References:
Grease pump for chain guide	68518
Retaining clamp	68519
Sharpening kit	68520
Round file (box of 12)	68521
Flat file (box of 12)	68522
Round file (pack of 3)	68611

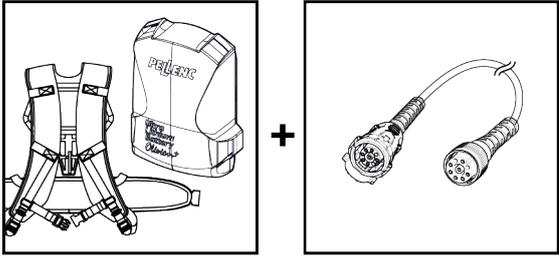
9.2. OPTIONAL ACCESSORIES

Name	reference	
Alpha harness	57194	
PELENC ALPHA 260 battery	57192	
PELENC ALPHA 520 battery	57193	
EXTENSION CORD	57248	

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Name	reference	
Comfort harness	57183	
Lightweight harness	57257	
PELENC ULIB 750 battery	57191	
EXTENSION CORD	57238	

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Name	reference	
Olivion+ battery pack	57173	
Extension cord	57237	

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9.3. CONSUMABLES

	References:
5L can of organic oil	116688
SELION 11 1/4 tooth chain sprocket wheel kit	85643
Standard Guide (11" - 1/4") <i>compatible with chain ref: 81794</i>	72884
Carving chain guide (11" - 1/4") <i>compatible with chain ref: 81794</i>	80344
Chain (11" - 1/4") <i>compatible with chain guides ref: 72884 and 80344</i>	81794
Precision Guide (10.4" - 1/4") <i>compatible with ref chain: 145589</i>	145550
Precision guide channel (10.4" - 1/4") <i>compatible with chain guides ref : 145550</i>	145589

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":

1. 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 PELLENC covering the exchange and replacement of parts recognised as being out of order, due to machining defects, assembly defects or material defects, whatever the cause.

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

10.1.2.1.2. SPARE PARTS

The commercial warranty also covers original PELLENC spare 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**

PELENC 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 PELENC battery, and for a period of one (1) year for other PELENC products.

10.1.2.2.2. SPARE PARTS

PELENC Replacement parts replaced under the product warranty are guaranteed under the commercial warranty as from delivery of the PELENC product to the customer user for a period of two (2) years for products connected to a PELENC battery, and for a period of one (1) year for other PELENC products.

In the case of products connected to a PELENC battery, parts that are replaced 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 PELENC.

Failing that, commissioning declaration will not be effective and implementation of the commercial warranty PELENC 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, 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.

11. COMPLIANCE STATEMENTS

11.1. "EC" DECLARATION OF CONFORMITY: SELION C

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

We hereby declare that the machine referred to below as:

GENERIC DENOMINATION	Chainsaw
FUNCTION	INTENDED FOR TREE-PRUNING
COMMERCIAL NAME	SELION COMPACT
TYPE	SELION C
MODEL	C21 HD
SERIAL No.	51U00001 - 51U49999 51V00001 - 51V49999 51W00001 - 51W49999

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 60745-1 : 2009 + A11: 2010
- EN 60745-2-13 : 2009 + A1: 2010
- EN ISO 11681-2: 2011 + A1: 2017
- EN 55014-1: 2017
- EN 55014-2: 2015

Obtained a "CE" type exam certificate, No.MD-158 issued by SGS-FIMKO (0598).

Sound and vibration rate at maximum working speed

Sound pressure according to EN 60745-1 and EN ISO 60745-2-13 (with uncertainty K_{pA} = 3 dB(A))	L_{pA} = 85 dB(A)
Guaranteed sound power according to Directive 2000/14/EC	$L_{wA,d}$ = 100 dB(A)
Vibration level according to EN 60745-1 and EN ISO 60745-2-13 (with uncertainty K = 1.5 m/s ²)	a_h = 2,54 m/s ²

SIGNED IN PERTUIS, DATED 05/12/2019
JEAN-MARC GIALIS
CEO



PELLENC

   www.pellenc.com

PELLENC
Quartier Notre Dame - 84120 Pertuis (France)

