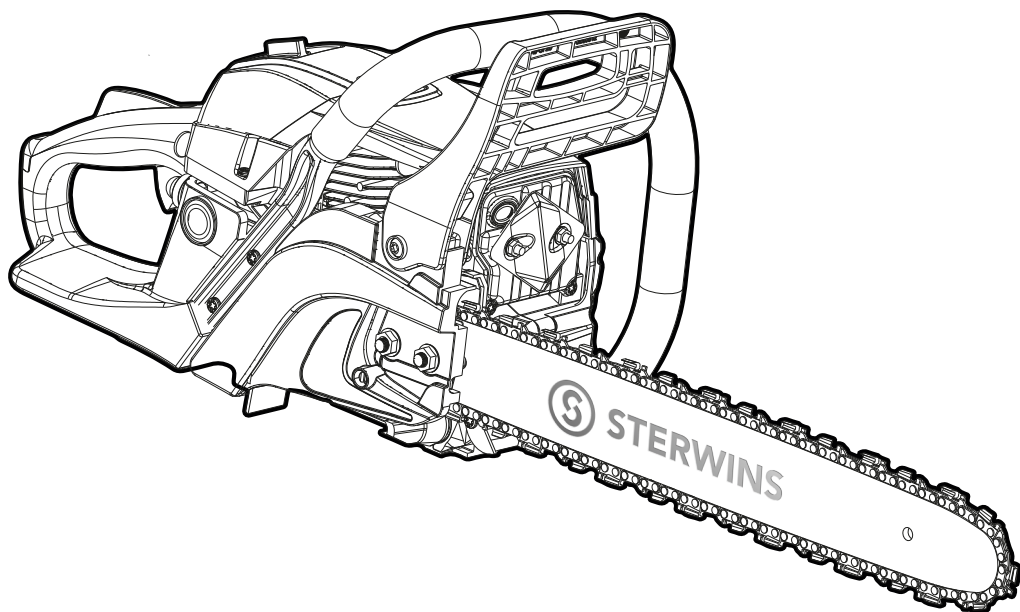


RU XXX
KZ XXX
EN Petrol Chainsaw 45cm



EAN : 3276007173925



Руководство По Технике Безопасности и Правовым нормам / Техникасы бойынша нұсқаулығы қауіпсіздік және құқықтық қамтамасыз ету / Legal & Safety Instructions



XXX → XXX



Сборка / Монтаждау / Assembly



XXX



Подготовка / Дайындау / Preparation



XXX



Использование / Пайдалану / Use



XXX → XXX



Уход / Қызмет көрсету / Maintenance



XXX → XXX



Зимний период / Қысқы мерзімде сақтау / Winter storage



XXX



Introduction

Thank you for choosing this product. Upon designing and manufacturing our products, we place all of our efforts into ensuring an excellent quality that meets the needs of the users. Following these instructions allow to optimize the lifetime

IMPORTANT! IN ORDER TO OBTAIN THE UTMOST SATISFACTION FROM THIS PRODUCT UPON SETTING IT UP, USING IT, AND MAINTAINING IT, WE RECOMMEND THAT YOU CAREFULLY READ THIS USER MANUAL BEFORE USING THE PRODUCT. PLEASE PAY ATTENTION TO BASIC WARNINGS RELATING TO SAFETY WITHIN THIS MANUAL, AND KEEP THE MANUAL FOR LATER REFERENCE.



**IMPORTANT, KEEP THE MANUAL FOR LATER REFERENCE :
READ CAREFULLY**

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1. INTENDED USE OF PETROL CHAINSAW 45CM

This product is intended for outdoor use only, and must not be used inside a building under any circumstances. The Petrol Chainsaw is only intended for use in dry and well-illuminated conditions.

This chain saw is only intended to be used for basic limbing, felling, woodcutting, and remove buttress roots. All of the wooden objects intended to be cut with this chain saw should be no thicker than the guide bar's maximum cutting capabilities. It must not be used for cutting other materials, such as plastic, stone, metal or wood that contains foreign objects. Do not use it for others purposes. The maximum cutting capacity must be observed. Do not cut branches exceeding the stated maximum capacity. Do not use it for others purposes.

The product is not intended to be used by children or persons with reduced physical, mental or sensory capabilities. After unwrapping the packing, make sure that the product is complete with its accessories (if any). If the product is damaged or has any defect, please do not use it and bring back it to your dealer. If you give this tool to another people, please give him also this instruction manual.

Please note that our equipment has not been designed for use in commercial, trade or industrial applications. Our warranty will be voided if the machine is used in commercial, trade or industrial businesses or for equivalent purposes. This product has been designed to be used over a period of 3 years (Expected lifetime).

2. SAFETY INSTRUCTIONS










WARNING : Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference.

2.1 GENERAL SAFETY WARNINGS







- Do not operate the product near glass enclosures, automobiles, trucks, window wells, drop-offs, etc. without properly adjusting the aim of the discharge.
- Do not force or overload the product. It will perform better and safer when it is used at the rate that it was designed to work at.
- If the product is already assembled, please make sure that all screws are tightly fixed before using it. If the product requires that you assemble it, please make sure upon opening the package that all the elements needed for setting up the product have been provided. If the product is damaged or has defects, do not use it and take it back to the nearest store.
- The term «power tool» in the warnings refers to your mains-operated (corded) power tool, battery-operated (cordless) power tool or petrol powered tool.

2.2 SYMBOLS ON THE PRODUCT

	Single mark of circulation of products on the market of the Member States of the Customs Union.		
	Electrical products should not be discarded with household products. Used electrical products must be collected separately and disposed of at collection points provided for this purpose. Talk with your local authorities or dealer for advice on recycling.		
	Read and understand all instructions before operating the product, follow all warning and safety instructions.		Guaranteed sound power level (tested according to Directive 2000/14/EC as amended by 2005/88/EC).
	Do not expose the product to rain or wet conditions.		Wear ear protection.
	Wear safety glasses.		Wear protective gloves.
	Wear safety boots.		Wear respiratory protection.
	Keep bystanders away.		 Kick-back! Tip contact may cause the guide bar to move suddenly upward and backwards which may cause serious injury to the user.
	Always use the product with two hands. Do not use one hand when operating the product.		Petrol primer pump.

	Do not touch hot surfaces of the product.	 	Always hold the product with two hands.
	Do not pull the starter rope further than indicated		Ratio Gasoline/Oil
	Do not smoke near the product		Quality control during the production passed

2.3 SYMBOLS IN THIS MANUAL

	Type and source of the danger : Failure to observe this warning may result in physical injury or death.		Type and source of the danger: This symbol indicates that damage to the appliance, the environment or other property may occur as a result of non-observance of this warning.
	Note : This symbol indicates important information for better understanding of the product.		Read the manual: This symbol indicates that you need to read the user manual carefully.
	Please refer to the corresponding illustration at the end of the booklet.		Recycling code of paper.

2.5 WORK AREA SAFETY

- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- 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 a power tool. Distractions can cause you to lose control. Children, pets and bystanders should be a minimum of 30 feet (10m) away when you start or operate the product.
- Eliminate all sources of sparks or flame (e.g. smoking, open flames, or work that can cause sparks) in the areas where fuel is mixed, poured, or stored.

- Never start cutting until you have a clear work area, secure footing, and planned retreat path from the falling tree. These paths should be generally opposite to the planned direction of the fall of the tree and about at a 45°.

2.6 ELECTRICAL SAFETY



WARNING ! This product produces an electromagnetic field during operation! This field may under some circumstances interfere with active or passive medical implants! To reduce the risk of serious or fatal injury, we recommend persons with medical implants to consult their doctor and the medical implant manufacturer before operating this product !

- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

2.7 PERSONAL SAFETY

- 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 dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injury.
- 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.
- 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.
- 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.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
- It is believed that a condition called Raynaud's phenomenon (white fingers), which affects the fingers of certain individuals may be brought about by exposure to vibration and cold. Loss of color and numbness in the fingers. The following precautions are strongly recommended:

1. Wear the anti-vibration(AV) glove and keep your body warm, especially the head, neck, feet, ankles, hands and wrists.

2. Maintain a firm grip at all times, but do not squeeze the handles with constant, excessive pressure.

3. Maintain good blood circulation by performing vigorous arm exercises during frequent work breaks and also by not smoking.

4. Keep the saw chain sharp and the saw, including the AV system, well maintained; A dull chain will increase cutting time, and pressing a dull chain through wood will increase the vibrations transmitted to your hands. A saw with loose components or with damaged or worn AV buffers will also tend to have higher vibration levels.

5. Limit the hours of operation.

All the above mentioned precautions do not guarantee that you will not sustain white finger disease or carpal tunnel syndrome. Therefore, continual and regular users should monitor closely the condition of their hands fingers. If any of the above symptoms appear, seek medical advice immediately.

- Always cutting with a properly sharpened saw chain (which produces wood chips rather than fine dust) and operating the unit so that the wind or operating process directs any dust raised by the chain saw away from the operator. The lubrication oil exhausted by the product will pollute the environment, so that you need clear the work area after the cutting or refueling operation.

2.8 POWER TOOL USE AND CARE

- Some regions have regulations that restrict the use of the product in some operations. Check with your local authority for advice.

- Do not allow children, persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge, or people unfamiliar with these instructions to use the product. Local regulations may restrict the age of the operator.

- Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.

- While operating the product, always wear substantial footwear and long trousers. Do not operate the machine when barefoot or when wearing open sandals. Avoid wearing clothing that is loose fitting or that has hanging cords or ties; they can be caught in moving parts.

- Secure long hair so it is above shoulder level to prevent entanglement in moving parts.

- Before each use, ensure that all controls and safety devices function correctly. Do not use the tool if the off switch does not stop the product.

- Before each use, always inspect the housing for damage. Ensure that guards and handles are in place and properly secured.

- Never operate the product with defective guards or shields, or without safety devices, such as debris collector, in place.
- Clear the work area before each use.
- Wear a face filter mask in dusty conditions to reduce the risk of injury associated with the inhalation of dust.
- Do not point the product in the direction of people or pets.
- Do not operate the product near open windows, etc.
- Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with switch is dangerous and must be repaired.
- 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.
- Maintain power tools. 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.

2.9 PETROL TOOL SAFETY WARNINGS



**DANGER! Exhaust gases contain dangerous carbon monoxide!
Inhale the poisonous particle may cause death.**

- As soon as the engine is running, this product generates toxic exhaust fumes containing chemicals, such as unburned hydrocarbons (including benzene) and carbon monoxide, that are known to cause respiratory problems, cancer, birth defects, or other reproductive harm. Use of this product can also generate dust, mist and fumes containing chemicals that are known to cause respiratory problems, cancer, birth defects, or other reproductive harm. Inhalation of certain dusts, especially organic dusts such as mold or pollen, can cause susceptible persons to have an allergy or asthmatic reaction.
- Routine noisy work is to be licensed and limited for certain periods. Wear an approved safety hard hat to reduce the risk of injury to your head. Noise may damage your hearing. Wear sound barriers (ear plugs or ear muffs) to help protect your hearing. Be particularly alert and cautious when wearing hearing protection because your ability to hear warnings (shouts, alarms, etc.) is restricted. Operate your machine as below so that it produces a minimum of noise and emissions
 - limit the hours of daily operation.
 - do not run the engine unnecessarily and accelerate the engine only for cutting.
 - do not use the machine with a damaged muffler or loosened parts, regularly check the

machine by shaking it, if any abnormal sound comes from the machine, contact the local service centre for checking or/and repair.

2.10 PETROL CHAINSAW SAFETY WARNINGS

- Use this chain saw only for the purposes it was designed, do not aim the chain saw at any people or animals.
- Shutdown the product during transportation and during storage.
- Store chain saw indoors – when not in use, chain saw should be stored indoors in dry, locked-up place – out of reach of children.
- Always inspect the tool before use, and after any impact, check for sign of wear or damage and repair as necessary, especially the parts of the cutting head.
- Never use the product standing on steps or a ladder. Do not work over shoulder height.
- Keep all parts of the body away from the saw chain when the chainsaw is operating. Before you start the chainsaw, make sure the saw chain is not contacting anything. A moment of inattention while operating chainsaws may cause entanglement of your clothing or body with the saw chain.
- Always hold the chainsaw with your right hand on the rear handle and your left hand on the front handle. Holding the chainsaw with a reversed hand configuration increases the risk of personal injury and should never be done.
- 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.
- Do not operate a chainsaw in a tree. Operation of a chainsaw while up in a tree may result in personal injury.
- Always keep proper footing and operate the chainsaw only when standing on a fixed, secure and level surface. Slippery or unstable surfaces such as ladders may cause a loss of balance or control of the chain saw.
- When cutting a branch that is under tension be alert for spring back. When the tension in the wood fibers is released the spring loaded limb may strike the operator and/or throw the chainsaw out of control.
- Use extreme caution when cutting bush and saplings. The slender material may catch the saw chain and be whipped toward you or pull you off balance.
- Carry the chain saw by the front handle with the chainsaw switched off and away from your body. When transporting or storing the chainsaw always fit the guide bar cover. Proper handling of the chainsaw will reduce the likelihood of accidental contact with the moving saw chain.

- Follow instructions for lubricating, chain tensioning and changing accessories. Improperly tensioned or lubricated chain may either break or increase the chance for kick-back.
- Keep handles dry, clean and free from oil and grease. Greasy, oily handles are slippery causing loss of control.
- Cut wood only. Do not use chainsaw for purposes not intended. For example: do not use chainsaw for cutting plastic, masonry or non-wood building materials. Use of the chainsaw for operations different than intended could result in a hazardous situation.
- It is recommended that first-time users should, as a minimum practice, cut logs on a saw-horse or cradle.
- Suitable sawing chains, guide bars combinations may be used as mentioned in the operating instructions only for the machine. Do not use other types or sizes, serious damage or injuries may result from misapplication.
- Stand to the left of cut while bucking. Never put pressure on the chain saw when reaching the end of a cut. The pressure may cause the bar and rotating saw chain to pop out of the cut or kerf, go out of control and strike the operator or some other object. If the rotating saw chain strikes some other object, a reactive force may cause the moving saw chain to strike the operator.
- To reduce the risk of injury to bystanders and damage to property, never let your chain saw run unattended. When it is not in use (e.g. during a work break), shut it off and make sure that unauthorized persons do not use it.
- Do not operate your chain saw with the starting throttle lock engaged. Cutting with the starting throttle lock engaged does not permit the operator proper control of the chain saw or saw chain speed. Begin and continue cutting with the saw at full throttle.
- Never use the chain saw with one hand. It is more difficult for you to control reactive forces and to prevent the bar and chain from skating (slide unintentionally for a long distance) or bouncing (move quickly up, down, or away from the log) along the limb or log.
- Never put pressure on the chain saw when reaching the end of a cut. The pressure may cause the bar and rotating saw chain to pop out of the cut or kerf, go out of control and strike the operator or some other object.
- Before and after each use of the chain saw, make sure that the chain brake is working correctly.

2.11 SERVICE

- 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.

- Have the product checked by a qualified professional and repaired, if necessary, before you operate it again.

2.12 RESIDUAL RISKS

- Familiarize yourself with the use of this product by means of this instruction manual. Memorize the safety directions and follow them to the letter. This will help to prevent risks and hazards. Always be alert when using this product, so that you can recognize and handle risks early. Fast intervention can prevent serious injury and damage to property. Switch off if there are malfunctions.

- Even if all instructions are strictly followed, there are still some factors that could lead to hazards, such as :

- Thrown out pieces of the work piece.

- Vibration injuries : use designated handles and try to reduce working time and exposure.

- Injuries caused by noise : wear ear protection and reduce working time and exposure.

- Inhalation of dust and particles.

- Wear eye protection at all times.

If you experience any of these factors while using the machine, stop the machine consult your doctor immediately

- Injuries may be caused or aggravated by prolonged use of a tool. When using any tool for prolonged periods, ensure you take regular breaks.
- Prolonged use of the product exposes the user to vibrations that can cause a range of conditions collectively known as hand-arm vibration syndrome (HAVS) e.g. fingers going white; as well as specific diseases such as carpal tunnel syndrome.
- To reduce this risk when using the product, always wear protective gloves and keep your hands warm.

3. TECHNICAL DATA

Model	45PCS1-56.1
Engine power	2.5KW / 3.4Hp
Engine displacement	56.5cm ³
Machine weigh	5.7Kg
Max no-load speed	10000±500min-1
Engine idling speed range	3050±350min-1
Spark-plug reference	L8RTC
Saw chain reference	0.325,0.05 8X72
Type of chain	Round shape
Guide bar reference	BE18-72-5810P
Guide bar length	45cm
Guide bar width	61,8mm
Saw chain reference	0.325,0.058X72
Saw chain gauge	1.47mm
Saw chain pitch	0.325"
Number of teeth	72
Cutting length	43cm
Gasoline tank capacity	500cm ³
Oil tank capacity	240cm ³
Oil type	Anti-wearhydraulicoil
Oil control	Automatic
Max chain speed	21,2m/s
Type of gasoline	Gasoline 95 unleaded (Europe-US) Gasoline 92 unleaded (Russia)
Sound pressure level (at operator position)	
Sound pressure level uncertainty K	
Sound power level	
Sound power level uncertainty K	
Guaranted sound power level	
Vibration	
Vibration uncertainty K	

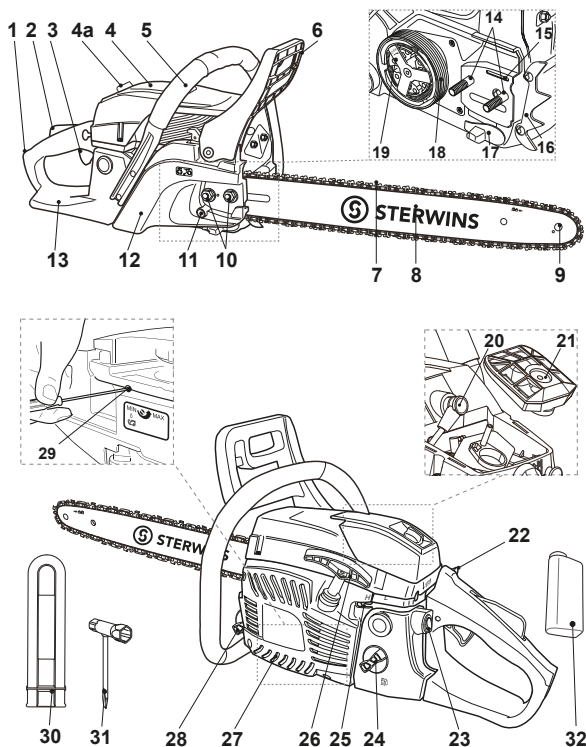
The declared vibration total value has been measured in accordance with a standard test method and may be used for comparing one tool with another. The declared vibration total value may also be used in a preliminary exposure assessment. The vibration emission during actual use of the power tool can differ from the declared total value depending on the ways in which the tool is used; and it may be necessary to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking into account all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

4. ASSEMBLY



WARNING! The product must be fully assembled before operation! Do not use a product that is only partly assembled or assembled with damaged parts!

4.1 DESCRIPTION & UNBOXING



- | | | | |
|-----------------------|---------------------|--|-----------------------|
| 1. Rear handle | 4. Air filter cover | 6. Front hand guard
(Chain brake lever) | 8. Guide bar |
| 2. Throttle interlock | 4a. Fixation knob | 7. Saw chain | 9. Sprocket wheel |
| 3. Throttle trigger | 5. Front handle | | 10. Retaining nut(x2) |

11. Tension screw	17. Chain catcher	23. Ignition switch	28. Chain oil tank cap
12. Cover	18. Clutch	24. Fuel tank cap	29. Oiler and adjustment screw for lubrication
13. Rear hand safeguard	19. Drive sprocket	25. Engine speed adjustment screws	30. Guide bar cover
14. Bolt(x2)	20. Spark plug connector	26. Recoil starter handle	31. Multi tool
15. Oiling port	21. Air filter	27. Air vents	32. Fuel mixing container
16. Spiked bumper	22. Choke knob		

- Wear gloves when unboxing.
- Do not use cutter, knife, saw or any other similar tool for unboxing.
- Carry the tool only by the handle.
- Keep the box for further reuse (transport and storage).
- Store away from furnaces, stoves, water heaters or other appliances that have pilot lights or other ignition sources because they can ignite fuel vapors.
- Risk of fire in case of dry vegetation in the neighborhood.
- The engine shall always be OFF when the machine is left on the ground.
- Keep instruction manual in a dry area for further consultation.

4.2 INSTALLATION

Assemble the guide bar and the saw chain : illustration (2.1) to (2.5)

1. Place the saw body on a firm and level surface.
2. Rotate the locking knob anticlockwise to remove the cover from the saw's body.
3. With the help of protective gloves, wrap the saw chain around the guide bar, making sure that the teeth are aimed in the direction of rotation. The chain should be properly set in the slot running along the entire outside edge of the guide bar.
4. Place the saw chain around the sprocket while lining up the slot in the guide bar with the internal bolt at the base of the saw and the chain tensioning pin in the guide bar's pin hole. The chain tensioning pin may need adjustment to properly align with the hole in the guide bar. Use the chain tensioning wheel to adjust its location until it fits in the guide bar.
5. Turn the chain tensioning wheel to preliminarily tighten the guide bar enough that it stays in place. While holding the bar still, place the cover back onto the saw. Make sure the tab properly lines up with the slot on the body of the saw. Lock the cover in place with the cover locking knob by turning it clockwise until it engages.

Tensioning the chain : illustration (2.5) to (2.11)

1. Check the chain tension by pulling the saw chain away from the guide bar. A properly tensioned chain should have roughly 3 mm of distance between itself and the bar guide.
2. If adjustments are needed, loosen the bar adjustment locking knob one full turn.
3. To adjust the saw chain tension, rotate the chain tensioning wheel. Rotating the wheel upwards increases the tension while rotating it downwards decreases tension. A properly tensioned chain should have no sag and should only be able to be pulled 3 mm away from the guide bar of the saw.
4. Once the chain is properly tensioned, tighten the locking knob. Do not over-tension the chain: this will lead to excessive wear and reduces the life of both the bar and chain.



Note: The saw chain must be tensioned properly in order to ensure safe operation.

The chain tension is optimal if the saw chain can be lifted 3 mm from the center of the guide bar. Since the saw chain heats up during operation, its length can therefore fluctuate. Check the chain tension every 10 minutes of operation and adjust as necessary, particularly for new saw chains. Slacken the saw chain after the work is completed since it shortens when cooling down. In doing so, you can elongate the chain's life and prevent damage.

4.3 PREPARATION

Before each use, check the following items to ensure safe working conditions.

Chain saw :

Before beginning work, inspect the chain saw for damage to the housing, the saw chain and the guide bar. Never use an obviously damaged machine.

Chain oil :

Check the fill level of the oil tank. Also check whether there is sufficient oil available while working. Never operate the saw if there is no oil or the oil level has dropped below the minimum oil level mark, in order to prevent damage to the chain saw. On average, an oil filling is sufficient for approximately 10 minutes of cutting operation (depending the duration of pauses and the density of the work piece).

Saw chain :

Check the tension of the saw and the condition of the saw. The sharper the saw chain is, the easier and more manageable operations will be. The same applies to chain tension. Check the tension every 10 minutes of operation to maximize safety. New saw chains in particular are subject to changes due to the heat created by operation.

Safety equipment and protective clothing : illustration 3.1

Make absolutely sure to wear the appropriate close-fitting protective clothing such as protective pants, gloves and safety shoes. Wear a safety helmet with integrated hearing protection and a face guard to provide protection against falling and recoiling branches.

Do secure long hair so that it is above shoulder level.

Use the following safety clothing and protective equipment when operating the product:

- Helmet with visor and neck guard
- Hearing protectors
- Breathing mask
- Gloves with approved saw protection
- Protective leggings with approved saw protection
- Steel toe cap boots with approved saw protection
- First aid kit in case of injury.

Filling the auto oil system : illustration 3.8 to 3.10

CAUTION ! The chain saw is NOT supplied filled with oil. It is essential to fill with oil before use. Never operate the chain saw without chain oil or at an empty oil tank level, as this will result in extensive damage to the product. Chain life and cutting capacity depends on optimum lubrication. Therefore, the chain is automatically oiled during operation via the oil outlet.

This chain saw features an auto-oiling system to keep the chain and guide bar properly lubricated. The oil level indicator shows the remaining oil in the chainsaw.

If the oil level decreases to below one quarter capacity, refill it with the proper bar and chain oil. To fill the oil reservoir:

1. Remove the oil cap. Fill the reservoir with bar and chain oil until the oil level has reached full capacity.
2. Put the oil cap back on. Make sure to check the oil level after every 10 minutes of use.



CAUTION ! To prevent oil leakage, ensure machine is left in a horizontal position (oil filler cap upright) when not in use. Use only the recommended oil to avoid damage to the chain saw. Never use recycled/old oil.

Handling and filling the fuel : illustration (3.3) to (3.7)

• The engines are lubricated by oil specially formulated for air-cooled 2-cycle gasoline engine use. If oil is not available, use an antioxidant added quality oil expressly labeled for air-cooled 2-cycle engine use.

RECOMMENDED MIXING RATIO: GASOLINE 40 : OIL 1

• Take care when handling gasoline. Avoid direct contact with the skin and avoid inhaling fuel vapor. (Refer to assembly manual P.9-P.13).

• Use mid-grade unleaded gasoline with a minimum octane rating of 89 ((R+M)/2).

• Only mix sufficient fuel for a few days work, not to exceed 30days of storage. Store in approved fuel-containers only. When mixing,

- 1) Measure out the quantities of gasoline and oil to be mixed.
- 2) Put some of the gasoline into a clean, approved fuel container. Pour all of the oil in the fuel container. Pour the rest of gasoline in the oil container and agitate well, then pour the mixture in the fuel container.
- 3) Agitate the fuel container for at least one minute. Put a clear indication on the outside of the container to avoid confusing it for gasoline or other containers.



WARNING ! A. The fuel is highly flammable. Do not smoke or bring any flame or sparks near fuel. Clean the fuel cap and the area around it. FUEL WITH NO OIL (RAW GASOLINE)- It will cause severe damage to the engine inner parts very quickly. OIL FOR 4-CVCLE ENGINE USE or WATER COOLED 2-CVCLE ENGINE USE - It can cause spark plug fouling, exhaust port blocking, or piston ring sticking.

4.4 FIRST USE



WARNING ! Read the « SAFETY INSTRUCTION » section at the beginning of this manual including all text under subheading therein before using this product.

Pay particular attention using the machine for the first time : focus and dedicate all your attention to this first use. Make the first trial on a free space with no obstacle and no surrounding element

4.5 OPERATION

Turning on/off : illustration (4.1) to (4.12)

To turn the tool ON, push and hold the safety lock-off button with your thumb, while squeezing the ON/OFF trigger switch. Once the trigger switch engages, you can release the safety lock-off button and proceed with operation. The safety lock-off button reduces the risk of accidental starting.

To turn the tool OFF, release the ON/OFF trigger switch.

General operation safety warnings :

- Check the product and accessories for damage before each use. Do not use the product if it is damaged or shows wear. Double check that the accessories and attachments are properly fixed.

- Any Guidebar, Chain or other part check shall be made with the engine off, only when the moving parts have stopped. Please go to chapter preparation or maintenance for further details.

- The carburetor settings (including high and iddle speed) are made by manufacturer. Any modification or adjustment of the carburetor settings by customer are forbidden

- Always hold the product on its handle. Keep the handle dry to ensure safe support.

- Ensure that the air vents are always unobstructed and clear. Clean them if necessary with a soft brush. Blocked air vents may lead to overheating and damage the product.

- Switch the product off immediately if you are disturbed while working by other people entering the working area. Always let the product come to complete stop before putting it down.

- Do not overwork yourself. Take regular breaks to ensure you can concentrate on the work and have full control over the product.

- Before switching the product on, check whether it has been assembled correctly and all the moving parts are running smoothly.

- We recommend slightly dampening surfaces in dusty conditions or using a mister attachment.

- Operate the product only at reasonable hours – not early in the morning or late at night when people might be disturbed.

- Avoid using the product in bad weather conditions, especially when there is a risk of lightning. Do not operate the product in poor lighting. The operator requires a clear view of the work area to identify potential hazards.

- Operating similar tools nearby increases both the risk of hearing injury and the potential for other persons to enter your work area.

- Keep firm footing and balance.

- Do not overreach. Overreaching can result in loss of balance. Always be sure of the footing on slopes.

- Walk, never run. Keep all parts of your body away from any moving part.

- Never run the product without the proper equipment attached.

- Do not modify the product in any way or use parts and accessories that are not recommended by the manufacturer.



If the product is dropped, suffers heavy impact or begins to vibrate abnormally, immediately stop the product and inspect for damage or identify the cause of the vibration. Any damage should be properly repaired or replaced by an authorized service center.

- To reduce the risk of injury associated with contacting rotating parts, always stop the machine and make sure all moving parts have stopped:
 - before cleaning or clearing a blockage
 - when leaving the product unattended
 - before installing or removing attachments
 - before checking, maintaining or working on the product
 - if the machine starts to vibrate abnormally (inspect immediately)

4.6 CUTTING TIPS

Kickback : : illustration (4.40)

Reactive forces may occur any time the chain is rotating. Reactive forces can cause serious personal injury. The powerful force used to cut wood can be reversed and work against the operator. If the rotating saw chain is suddenly and significantly slowed or stopped by contact with any solid object such as a log or branch or is pinched, the reactive forces may occur instantly. These reactive forces may result in loss of control, which, in turn, may cause serious or fatal injury. An understanding of the causes of these reactive forces may help you avoid the element of surprise and loss of control. Surprise contributes to accidents.

Rotational kickback can happen when the upper tip of the guide bar contacts an object while the chain is moving. This can cause the chain to dig into the object and momentarily stop moving. The guide bar is then kicked up and back toward the operator in a lightning-fast reverse reaction.

Linear kickback can happen when the wood on either side of a cut closes in and pinches the moving saw chain along the top of the guide bar. This can cause the chain to instantly stop. The chain force is then reversed, causing the saw to move in the opposite direction, sending the saw straight back toward 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. Many factors influence the occurrence and force of the kickback reaction. These include saw chain speed, the speed at which the bar and saw chain contact the object, the angle of contact, the condition of the saw chain and other factors.

How to avoid kickback

- 1) Hold the chain saw firmly with both hands and maintain a secure grip. Don't let go of the chain saw.
- 2) Be aware of the location of the guide bar nose at all times. Never let the nose of the guide bar contact any object. Do not cut limbs with the nose of the guide bar. Be especially careful near wire fences and when cutting small, tough limbs, small size brush and saplings which may easily catch the saw chain.
- 3) Don't overreach. Don't cut above shoulder height. Do not attempt to plunge cut if you are not experienced with these cutting techniques.
- 4) Begin cutting and continue at full throttle. Cut only one log at a time.
- 5) Use extreme caution when reentering a previous cut.
- 6) Be alert for shifting of the log or other forces that may cause the cut to close and pinch the saw chain.

7) Maintain saw chain properly. Cut with a correctly sharpened, properly tensioned saw chain at all times. Only use replacement bars and chains specified by the manufacturer. Incorrect replacement bars and chains may cause chain breakage and/ or kickback.

Felling a tree : illustration (4.37) to (4.38)

When bucking and felling operations are being performed by two or more persons at the same time, the felling operations should be separated from the bucking operation by a distance of at least twice the height of the tree being felled. Trees should not be felled in a manner that would endanger any person, strike any utility line or cause any property damage. If the tree does make contact with any utility line, the company should be notified immediately. The noise of your engine may drown any warning call.

The product operator should keep on the uphill side of the terrain as the tree is likely to roll or slide downhill after it is felled. An escape path should be planned and cleared as necessary before cuts are started. The escape path should extend back and diagonally to the rear of the expected line of fall.

Before felling is started, consider the natural lean of the tree, the location of larger branches and the wind direction to judge which way the tree will fall. Remove dirt, stones, loose bark, nails, staples and wire from the tree. Notching undercut: Make the notch 1/3 the diameter of the tree, perpendicular to the direction of falls. Make the lower horizontal notching cut first. This will help to avoid pinching either the saw chain or the guide bar when the second notch is being made.

Felling back cut : illustration (4.39)

1) Make the felling back cut at about 50 mm higher than the horizontal notching cut. Keep the felling back cut parallel to the horizontal notching cut. Make the felling back cut so enough wood is left to act as a hinge. The hinge wood keeps the tree from twisting and falling in the wrong direction. Do not cut through the hinge.

2) As the felling gets close to the hinge, the tree should begin to fall. If there is any chance that the tree may not fall in desired direction or it may rock back and wedges of wood, plastic or aluminum to open the cut and drop the tree a long the desired line of fall.

3) When the tree begins to fall remove the product from the cut, stop the motor, put the product down, then use the retreat path planned. Be alert for overhead limbs falling and watch your footing.

Limbing and bucking : illustration (4.40) to (4.46)

Limbing is removing the branches from a fallen tree. Start limbing by leaving the lower limbs to support the log off the ground. When under-bucking freely hanging limbs, a pinch may result or the limb may fall, causing loss of control. If a pinch occurs, stop the engine and remove the saw by lifting the limb. Remove the small limbs in one cut. Branches under tension should be cut from the bottom up to avoid binding the product. Bucking is cutting a log into lengths. It is important to make sure your footing is firm and our weight is evenly distributed on both feet. When possible, the log should be raised and supported by the use of limbs, logs or chocks. Do not stand on the log. Make sure the log will not roll downhill. If on a slope, stand on the uphill side of the log. Watch out for rolling logs. Shattered wood should be cut very carefully. Sharp splinters of wood may be caught and flung in the direction of the operator of the saw. Don't let the chain contact the ground. Logs under strain: Risk of pinching! Always start relieving cut at compression side. Then make bucking cut at tension side. If the saw pinches, stop the engine and remove it from the log. Only properly trained professionals should work in an area where the logs, limbs and roots are tangled. Drag the logs into a clear area before cutting. Pull out exposed and cleared logs first.

When the log is supported on one end, cut 1/3 the diameter from the underside (under buck). Then make the finished cut by over bucking to meet the first cut. When the log is supported on both ends, cut 1/3 the diameter from the top (over buck). Then make the finished cut by under bucking the lower 2/3 to meet the first cut. When "cutting through", to maintain complete control release the cutting pressure near the end of the cut without relaxing your grip on the product handles. Always stop the engine before moving from tree to tree. If the wood diameter is large enough for you to insert a soft bucking wedge without touching the chain, you should use the wedge to hold the cut open to prevent pinching. Always support small logs on a sawing stand or another log while bucking.

Pull in

Pull-in occurs when the saw chain on the bottom of the bar is suddenly stopped when it is pinched, caught or encounters a foreign object in the wood. The reaction of the saw chain pulls the chain saw forward and may cause the operator to lose control. Pull-in frequently occurs when the bumper spike of the chain saw is not held securely against the tree or limb and when the saw chain is not rotating at full speed before it contacts the wood.

Use extreme caution when cutting small size brush and saplings which may easily catch the saw chain, be whipped towards you or pull you off balance.

How to avoid pull in :

- 1) Always start a cut with the saw chain rotating at full speed and the bumper spike in contact with the wood.
- 2) The risk of pull-in may also be reduced by using wedges to open the kerf or cut.

Push-back

Push-back occurs when the saw chain on the top of the bar is suddenly stopped when it is pinched, caught or encounters a foreign object in the wood. The reaction of the saw chain may drive the chain saw rapidly straight back toward the operator and may cause loss of chain saw control, which, in turn, may cause serious or fatal injury. Push-back frequently occurs when the top of the bar is used for cutting.

How to avoid push-back :

- 1) Be alert to forces or situations that may cause material to pinch the top of the saw chain. Do not cut more than one log at a time.
- 2) Do not twist the chain saw when withdrawing the bar from a plunge cut or under-buck cut because the saw chain can pinch.

4.7 AFTER USE

Switch the product off and let it cool down. Check, clean and store the product as described below.

5. TRANSPORTATION

Transporting the machine may require that you meet certain requirements specific to your country. Please make sure to respect them by contacting the authorities of your country, in order to respect them all. Ensure temperature during transportation will never be out of temperature range given on chapter storage. Always switch the product off and put the guide bar cover.

When transporting in a vehicle, keep saw chain and bar covered with the guide bar cover (scabbard). Properly secure your chain saw to prevent turnover, fuel spillage and damage to the chain saw.

Protect the product from any heavy impact or strong vibrations which may occur during transportation in vehicles. Secure the product to prevent it from slipping or falling over.

6. WINTERING

Follow all instructions given on chapter storage below. We recommend using the original package for storage or covering the product with a suitable cloth or enclosure to protect it against dust.

7. STORAGE


Store the machine : Illustration (6.1) to (6.4)


Only store the machine in a clean, dry, ventilated place with a temperature range of 4°C to 24°C. Cover it in order to provide added protection. We recommend using the original package for storage or covering the product with a suitable cloth or enclosure to protect it against dust. Be sure to secure the unit while transporting.

Shutdown the power tool. Empty the fuel tank and run the engine out of fuel. Empty the oil tank. Examine the unit thoroughly for worn, loose or damaged parts. Clean the unit before storing and put back the guide bar cover. Do not expose the product to sunlight. Make sure the product is always protected from cold and humidity. Store away from furnaces, stoves, water heaters or other appliances that have pilot lights or other ignition sources because they can ignite fuel vapors.

8. MAINTENANCE

8.1 CLEANING

 **WARNING ! Do not handle cutting parts without gloves as they are sharp and can become hot after use, potentially causing personal injury.**

 **WARNING ! Before maintenance, consult the operator manual and remove the spark plug before performing any work.**

Cleaning the product : Illustration (5.1) to (5.15)

Keep all safety devices, air vents, and motor housing free of debris and dirt. Wipe down the equipment with a cloth. It is highly suggested that you clean the device after every use. Do not use cleaning agents, as these can attack the plastic and weaken the structural integrity of the product.

Remove and brush clean the cover plate, chain and chain bar after 1 to 3 hours of use. Clean the area under the cover plate, the drive sprocket and chain bar assembly using a soft brush. Clean oil outlet with a clean cloth. Do not place other objects on the chain saw.

8.2 MAINTENANCE SCHEDULE

Part	Action	Before/After each usage	Every 10H
AIR FILTER	CHECK	●	
	CLEAN		●
	CHANGE	WHEN IT'S NECESSARY / REFER TO TROUBLE SHOOTING	
SPARK PLUG	CHECK		●
	CLEAN		●
	CHANGE	WHEN IT'S NECESSARY / REFER TO TROUBLE SHOOTING	
GASOLINE FILTER	CHECK	●	
	CLEAN		●
	CHANGE	WHEN IT'S NECESSARY / REFER TO TROUBLE SHOOTING	

Part	Action	Before/After each usage	Every 10H
CHAIN	CHECK	●	
	CLEAN	●	
	CHANGE	WHEN IT'S NECESSARY / REFER TO TROUBLE SHOOTING	
	GREASE	●	
	SHARP		●
CHAIN BAR	CHECK	●	
	CLEAN	●	
	CHANGE	WHEN IT'S NECESSARY / REFER TO TROUBLE SHOOTING	
	GREASE		●
RIM DRIVE SPROCKET	CHECK	●	
	CLEAN	●	
STARTER ROPE	CHECK	●	
	CHANGE	WHEN IT'S NECESSARY / REFER TO TROUBLE SHOOTING	

8.3 REPLACEMENT

Illustration (5.1)



WARNING! When handling saw chains, always wear protective gloves.

Checking the automatic chain lubrication

Regularly check the functionality of the automatic chain lubrication in order to prevent overheating and the subsequent damage to the chain bar and saw chain associated with it. For this purpose, align the chain bar tip against a smooth surface (board, cut-in of a tree) and allow the chain saw to run. If an increasing amount of oil appears, the automatic chain lubrication functions properly.

Lubricate sprocket : illustration (4.37) to (4.38)

NOTE : It is not necessary to remove the chain or bar when lubricating the sprocket.

1. Clean the bar and sprocket.
2. Using a grease gun, insert the tip of the gun into the lubrication hole and inject grease until it appears at the outside edge of the sprocket tip.
3. To rotate the sprocket release the chain stop and pull the chain by hand until the ungreased side of the sprocket is in line with the grease hole. Repeat the lubrication procedure.

Sharpening the saw chain

Keep chain sharp. Your saw will cut faster and more safely. A dull chain will cause undue sprocket, guide bar, chain, and motor wear. If you must force chain into wood and cutting creates only sawdust with a few large chips, then chain is dull. Purchase a new chain, have your chain sharpened professionally at a qualified service center, or sharpen the chain yourself using a proper sharpening kit. The height difference between the cutting tip and the ridge is the depth gauge setting. When you sharpen the cutting tip, the depth gauge setting between the tip and the side plate ridge will decrease. To maintain

optimal cutting performance, the ridge has to be filed down to achieve the recommended depth gauge setting.

To sharpen the chain :

1. Using protective gloves, ensure the chain is correctly tensioned on the guide bar.
2. Use a round file with a diameter 1.1 times the cutting tooth depth. Make sure 20% of the file diameter is above the cutter's top plate.

NOTE : A file guide is available from most chainsaw retailers and is the easiest way to hold the file at the correct position.

3. File at an angle perpendicular to the bar, and at an angle of 25° to the direction of travel.
 4. File each tooth from the inside towards outside only. File one side of the chain first then turn the saw around and repeat the process.
- Sharpen each tooth equally by using the same number of strokes.
 - Keep all cutter lengths equal. Each time the cutting tip is sharpened the cutting length is reduced. When the cutter length is reduced to 0.16 inch (4 mm), the chain is worn out and should be replaced.
 - The depth gauge setting is also reduced with each sharpening. Every 5 sharpenings use a depth gauge measuring tool to check the height between the cutting tip and the ridge. When necessary, use a flat file to file down the ridge to achieve the .025 inch depth gauge setting. Depth gauge measuring tools are available from most chainsaws retailers.
 - If the saw is not functioning properly, take it to a qualified chainsaw service center to have the saw inspected. Use only identical parts as listed in this manual.

Replacing the saw chain and chain bar : illustration (5.1)

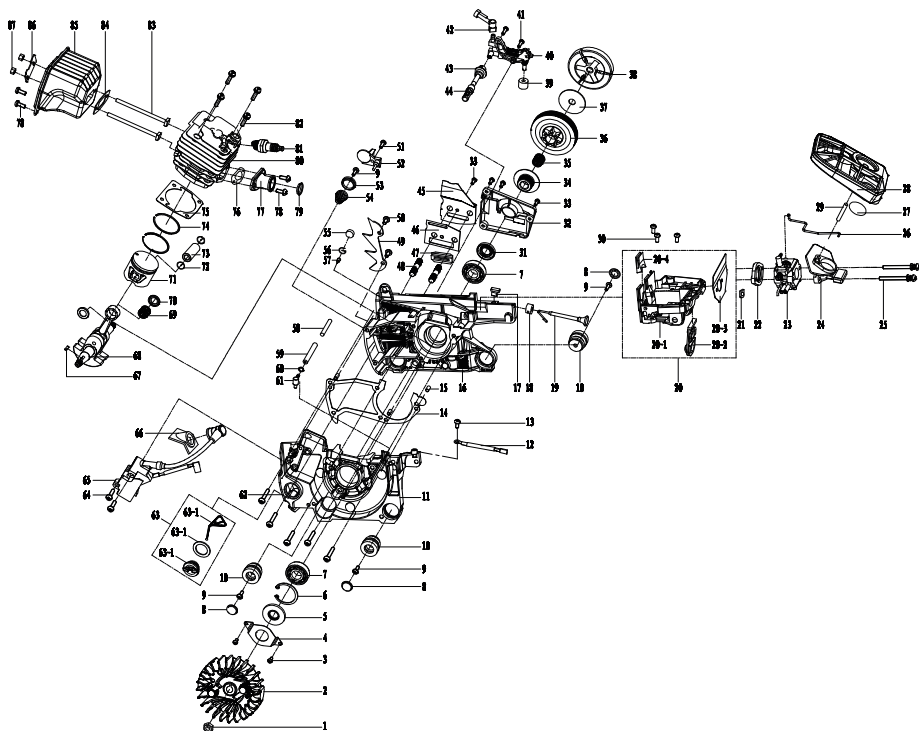
Approved saw bar/saw chain

Replace chain when cutters are too worn to sharpen or when chain breaks. Only use replacement chain noted in this manual.

Always include new drive sprocket when replacing chain. This will maintain proper driving of chain.

1. Place the saw body on a firm and level surface.
2. Rotate the bar adjust locking knob anticlockwise to remove the cover from the saw's body.
3. Wearing protective gloves, wrap the saw chain around the chain bar, making sure that the teeth are aimed in the direction of rotation. The chain should be properly set in the slot running along the entire outside edge of the chain bar.
4. Place the saw chain around the sprocket while lining up the slot in the chain bar with the internal bolt at the base of the saw and the chain tensioning pin in the chain bar's pin hole. The chain tensioning pin may need adjustment to properly align with the hole in the chain bar. Use the chain tensioning wheel to adjust its location until it fits in the chain bar.
5. Turn the chain tensioning wheel to preliminarily tighten the chain bar enough that it stays in place. While holding the bar still, place the cover back onto the saw. Make sure the tab properly lines up with the slot on the body of the saw. Lock the cover in place with the cover locking knob by turning it clockwise until it engages. Adjust the chain tension.

8.4 EXPLODED VIEW



POS	DESCRIPTION	QUA
1	Nut M8	1
2	Fly wheel assembly	1
3	Hex. Screw M4X8	2
4	Oil seal pressing plate	1
5	Oil seal 15X35X5	1
6	Internal circlip 35	1
7	Deep groove ball bearing 6202	2
8	Dust block	3
9	Hex. Screw M4.8X16	4
10	Short anti-vibration seat	3
11	Left crankcase	1
12	Flameout line	1
13	Hex. Screw M5X16	1

14	Crankcase sealing gasket	1
15	Round pin 5X10	3
16	Right crankcase	1
17	Anti-vibration block	1
18	Choker rod block	1
19	Choker rod	1
20	Hot start rear seat assembly	1
20-1	Hot start rear seat	1
20-2	Dust block	1
20-3	Intake-tube holder sealing gasket	1
20-4	Insulation plate	1
21	Big cover plug	1
22	Air intake flange	1
23	Carburetor	1

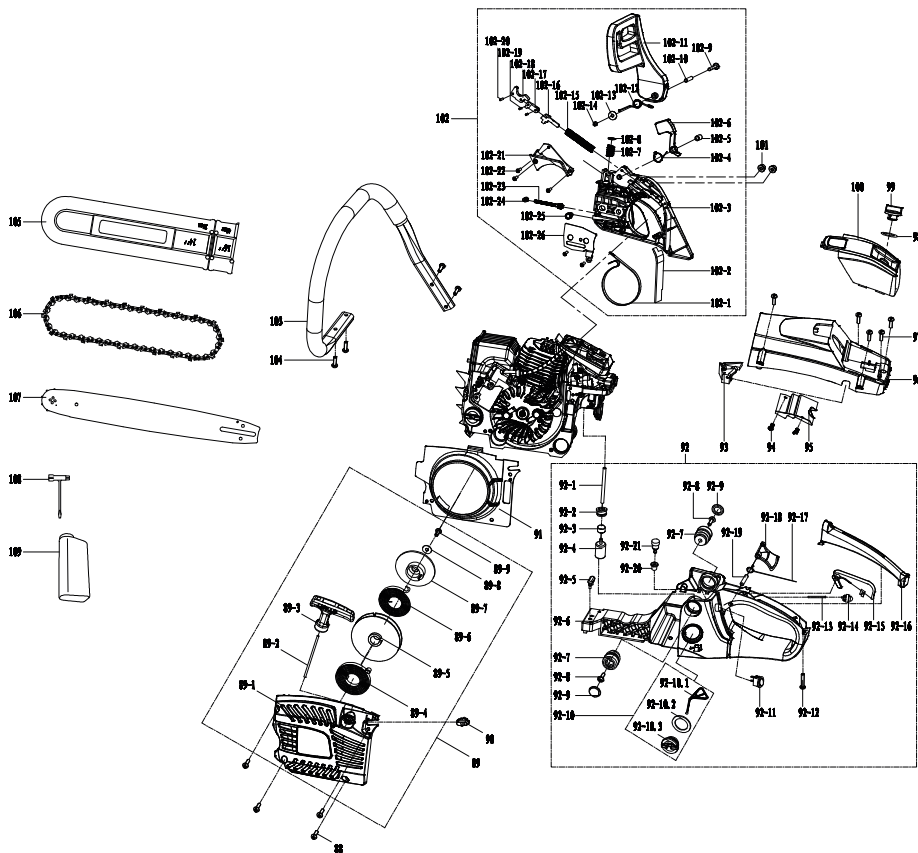
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POS	DESCRIPTION	QUA
24	Air intake seat	1
25	Hex. Screw ST5X52	2
26	Accelerator push rod	1
27	Air filter sealing washer	1
28	Air filter	1
29	Double-end bolt M5X39	1
30	Hex. Screw ST5X12	3
31	Oil seal 15X28X5	1
32	Oil pump cover plate	1
33	Hex. Screw ST4X10	4
34	Worm wheel	1
35	Needle bearing 12X15X14.5	1
36	Cluth housing	1
37	Cluth washer	1
38	Cluth assembly	1
39	Oil tube	1
40	Oil pump	1
41	Hex. Screw M4X14	2
42	Oil nozzle	1
43	Sponge filter	1
44	Oil filter	1
45	Baffle	1
46	Baffler washer	1
47	Guide block	1
48	Double-end bolt M8X40	2
49	Toothed plate	1
50	Hex. Screw M5X12	2
51	Hex. Screw M5X16	1
52	Guard plate	1
53	Conical spring seat	1
54	Conical spring	1
55	Sponge filter	1
56	Ventilation mouth circlip	1
57	Ventilation mouth	1
58	Insulating sleeve	1
59	Negative pressure tube	1

60	Negative pressure tube circlip	1
61	Negative pressure nozzle	1
62	Hex. Screw M5X30	5
63	Oil cap assembly	1
63-1	Safety guard	1
63-2	Oil cap "O" ring	1
63-3	Oil cap	1
64	Hex. Screw M5X20	2
65	Ignition coil assembly	1
66	Ignition coil protective sleeve	1
67	Semicircular key	1
68	Crankshaft-connecting rod assembly	1
69	Needle bearing 11X15X12.5	1
70	Needle bearing retainer	2
71	Piston	1
72	Piston pin circlip	2
73	Piston pin	1
74	Piston ring	2
75	Cylinder sealing gasket	1
76	Intake-tube sealing gasket	1
77	Intake tube	1
78	Hex. Screw M5X12	4
79	Retaining ring	1
80	Cylinder	1
81	Spark plug	1
82	Hex. Screw M5X20	4
83	Bolt M5X84	2
84	Muffler sealing gasket	1
85	Muffler	1
86	Muffler cover	1
87t	Nut M5	2



POS	DESCRIPTION	QUA
88	Hex. Screw M5X16	4
89	Starter assembly	1
89-1	Easy starter cover	1
89-2	Starter rope	1
89-3	Starter handle	1
89-4	Easy starter main coil spring	1
89-5	Reel	1
89-6	Easy starter assistant coil spring	1
89-7	Starter wheel	1
89-8	Flat washer 5.4X16X1	1
89-9	Hex. Screw M4.8X13	1

90	LH protective cover	1
91	Cooling-air mask	1
92	Fuel tank assembly	1
92-1	Fuel tube	1
92-2	Fuel tube base	1
92-3	Loaded weight block	1
92-4	Fuel filter	1
92-5	Fuel tank anti-vibration block	1
92-6	Fuel tank	1
92-7	Long anti-vibration seat	2
92-8	Hex. Screw M5X16	2
92-9	Dust-proof cover	2
92-10	Fuel cap assembly	1

POS	DESCRIPTION	QUA
92-10.1	Fuel cap	1
92-10.2	Fuel cap "O" ring	1
92-10.3	Safety guard	1
92-11	Flameout switch	1
92-12	Hex. Screw ST4.2X19	1
92-13	Oil return tube 2	1
92-14	Primer	1
92-15	Trigger controller	1
92-16	Rear handle cover	1
92-17	Trigger torsion rod spring	1
92-18	Trigger	1
92-19	Round pin 6X24	1
92-20	Balancer base	1
92-21	Balancer	1
93	Idle speed regulating guide bush	1
94	Hex. Screw ST4.2X8	2
95	Air duct optimization plate	1
96	Upper cover	1
97	Hex. Screw M5X16	5
98	Lock nut gasket	1
99	Air filter lock nut	1
100	Air filter cover	1
101	Nut M8X1.25	2
102	Right side plate assembly	1
102-1	Brake ribbon	1
102-2	Dust plate	1
102-3	Right side plate	1

102-4	Heavy punch torsion spring	1
102-5	Heavy block tube	1
102-6	Heavy punch	1
102-7	Front guard pressure spring	1
102-8	Pressure spring seat	1
102-9	Hex. Screw M5X37.5	1
102-10	Bushing	1
102-11	Front guard	1
102-12	Front guard torsional spring	1
102-13	Flat washer 6X18X1	1
102-14	Nut M5	1
102-15	Brake spring	1
102-16	Brake lever	1
102-17	Secondary pull-rod	1
102-18	Main pull-rod	1
102-19	Round pin 3X9	2
102-20	Round pin 3X14	1
102-21	Brack spring	1
102-22	Hex. Screw ST4.2X9.5	5
102-23	Tensioning screw M5X50	1
102-24	Tensioning block	1
102-25	Tensioning gear	1
102-26	Tensioner cover	1
103	Front handle	1
104	Hex. Screw ST4.8X13	4
105	Bar cover	1
106	Chain	1
107	Bar	1
108	Socket spanner	1
109	Mixing bottle	1

8.5 TROUBLESHOOTING



**DANGER ! Risk of injury due to electric shock.
Before any trouble shooting, switch off the product.**

Problems	Probable causes	Solutions	Qualification
No engine stop	The OFF switch is defective	Test it and change it by a new one	After Sales Service
	The brake system is defective	Test it and change it by a new one	
	The trigger system is defective	Test it and change it by a new one	
No engine start	Gazoline tank is empty	Fill the tank with a good mixture of gasoline and oil	-
	Gasoline tank is empty	Fill the tank with a new gasoline	
	The gasoline strainer is not well placed (on the bottom)	Check its position or replace it	
	The switch is on OFF position	Put the switch on ON position	
	The priming bulb has not been pressed enough	Press the priming bulb until the gasoline is visible inside (4-7 times)	
	The spark plug is dirty	Remove and clean the electrode with a spark plug brush (iron bristle brush)	

Problems	Probable causes	Solutions	Qualification
No engine start	The spark plug spring doesn't match with the plug	Remove and change the spark plug by a new one	-
	The spark plug is defective	Check is the spring is still on the cap. Otherwise change it by a new one	
	The engine is flooded	Close the starter, remove the spark plug, clean the spark plug, return the machine and pull the rope 5 to 10 times to empty the cylinder of gasoline	
	The gasoline pipe is drilled	Remove it and change it by a new one	After Sales Service
	The carburetor is not well adjusted	Resume the carburetor setting procedure from the beginning	
	The carburetor is defective	Test it and change it by a new one	
Vibration	The chain is dull / damaged	Sharpen it or change it by a new one	-
	Nuts / screws are not well tight	Screw the nut(s) / screw(s)	
Chain driven at engine start	One step of the starting process has been forgotten	Put a trigger	-
	The trigger is blocked on ON position	Remove the trigger cover and replace it by a new one	After Sales Service
Excessive noise	Nuts / screws are not well tight	Screw the nut(s) / screw(s)	-
	The blade is not enough set		

Problems	Probable causes	Solutions	Qualification
Over-consumption	Carburetor is not well adjusted /	Resume the carburetor setting procedure from the beginning	After Sales Service
	There is a leak of gasoline due to a defective assembling (drilled pip/bad connection)	Find the leak location and replace the part by a new one	
	There is a leak of oil due to a defective assembling (drilled pip/bad connection)	Find the leak location and replace the part by a new one	
Unwanted smoke	The mixing (gasoline / oil) is not good	Drain the tank and do it again (following the instruction)	-
Oil leak	There is a leak of oil lubricant due to a defective assembling (drilled pip/bad connection)	Find the leak location and replace the part by a new one	After Sales Service
	The lubricant oil continues to flow by capillarity	Check with the after sales service if the oil pump is not damaged. Otherwise it's normal, let the chainsaw cool while protecting the ground (cardboard, towel ...)	-
Gasoline leak	There is a leak of gasoline due to a defective assembling (drilled pip/bad connection)	Find the leak location and replace the part by a new one	After Sales Service
Chain breakage	The chain is too tight	Unscrew the chain tightening screw	-
	The chain is not lubricated enough	Check if the oil tank is not empty and fill it	
		The oil pump is defective, change it	After Sales Service
		Check the setting of the oil consumption and adjust it	-
	The chain is wasted	Remove it and change it by a new one	
Chain guide breakage	The blade cover is not well put	Remove the cover and pay attention to put on the good position and tight it enough	-

Problems	Probable causes	Solutions	Qualification
Chain does not stop on released trigger	The trigger is blocked on ON position	Remove the trigger cover and replace it by a new one	After Sales Service
	The guide has been stuck on a branch	Pay attention to initiate the cup by 3-4 cm blow the branch and then cut it from above	
	The carburetor is blocked on ON position	Remove the trigger cover and replace it by a new one	
Wood splatter projection	The chain is blunt	Sharpen it or change it by a new one	-
	The chain is wasted	Remove it and change it by a new one	
Chain loosen during use	The chain is wasted	Remove it and change it by a new one	-
	The tightening system is wasted		After Sales Service
	The chain/guide is not well placed	Remove it and adjust it	-
Cutting performance is insufficient	The chain is not tense enough	Tense it correctly	-
	The chain is dull / damaged	Sharpen it or change it by a new one	
	Lubricant oil tank is empty	Fill it or adjust the oil consumption when it's possible	
Loss of the chain	The blade is not the good one in terms of dimension	The customer needs to check the instruction manual to identify the good chain / guide	-
	The chain is not tight enough	Tight it thanks to the chain tightening screw	
	The blade cover is not well put	Remove the cover and pay attention to put on the good position and tight it enough	

Problems	Probable causes	Solutions	Qualification
The engine lacks of power	The air filter is dirty	Clean it or replace it by a new one	-
	The spark plug is dirty	Remove and clean the electrode with a spark plug brush (iron bristle brush)	
	The gasoline filter is blocked	Replace it by a new one	After Sales Service
	The carburetor speed screw is not well adjusted	Resume the carburetor setting procedure from the beginning	
The starter rope is blocked	The inside spring is broken	Remove it and change it by a new one	After Sales Service
	A part of the machine block it (ex. screw unscrewed because of vibration)	Find the blocking part and fix it	
	The motor is out of usage	Remove it and change it by a new one	
The starter rope is broken	The inside spring was wasted	Remove it and change it by a new one	After Sales Service
	The user put it too strongly and broke it		
	The engine is about to be out of usage		
The engine doesn't go to the idle speed	Gasoline filter is blocked	Replace it by a new one	After Sales Service
	The carburetor idle speed screw is not well adjusted	Resume the carburetor setting procedure from the beginning	
Motor runs but the cutting device doesn't run	The cutting device can be too screwed	Check if you can remove it easily, try again to start no load and check if it works	-
	During the assembly, the clutch could have been misplaced	Check the global assembly. And try again	

8.6 FATAL CIRCUMSTANCES : CRITICAL ISSUES

Problems	Solutions
Spring of the clutch is damaged	Stop using the machine and discard it

9. END OF LIFE



Electrical products should not be discarded with household products. Used electrical products must be collected separately and disposed of at collection points provided for this purpose. Talk with your local authorities or dealer for advice on recycling.

10. WARRANTY

10.1 OUR WARRANTY

STERWINS products are designed according to the highest quality standards for products intended for the consumer market. This sale warranty covers a period of 3 years as of the date of purchase of the product. This warranty covers all defects in materials and workmanship: missing parts and elements, and damage occurring under normal use circumstances. Repair and replacement of parts do not lead to an extension of the initial warranty period. You must be able to provide proof of the purchase for this product and the date of purchase. Warranty coverage is limited to the value of this product.

10.2 WARRANTY EXCLUSIONS

This warranty does not cover problems nor incidents resulting from incorrect use of the product.

The following items are not covered by warranty :

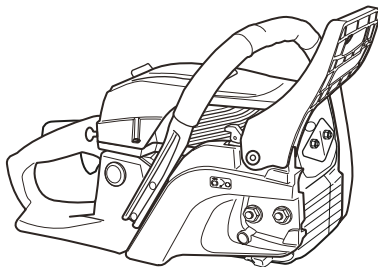
- The tool have been used incorrectly; or
- Damage occurring upon transporting or setting up this product; or
- Repairs and/or change of parts carried out by a third party; or
- Damage caused by external factors or foreign objects such as sand or stones; or
- Damage resulting from non-compliance with the safety and usage instructions; or
- The tool have been disassembled or opened; or
- The tool have been in a wet environment (dew, rain, submerged in water...); or
- The tool has been used for professional purpose; or
- The tool has been exposed to a temperature out of the range specified in chapter "storage"

The product must be used under normal usage circumstances, and for non-professional purposes. Therefore, excluded from this warranty are products used by gardening companies, local authorities, as well as companies offering paid rentals or free loaning of equipment.

In the event of a problem or defect, you should first always consult your Sterwins dealer. In most cases, the Sterwins dealer will be able to solve the problem or correct the defect. Keep your invoice or your receipt: these documents will be requested upon processing any claims.



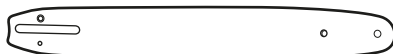
A x1



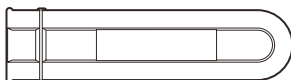
B x1



C x1



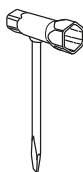
D x1



E x1



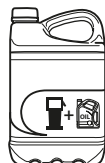
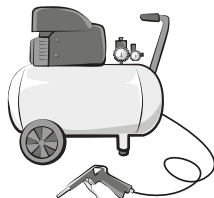
H x1



I x1



F x2



or

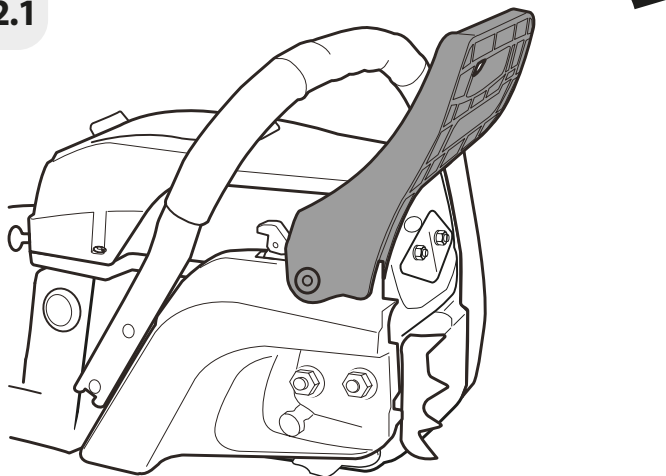


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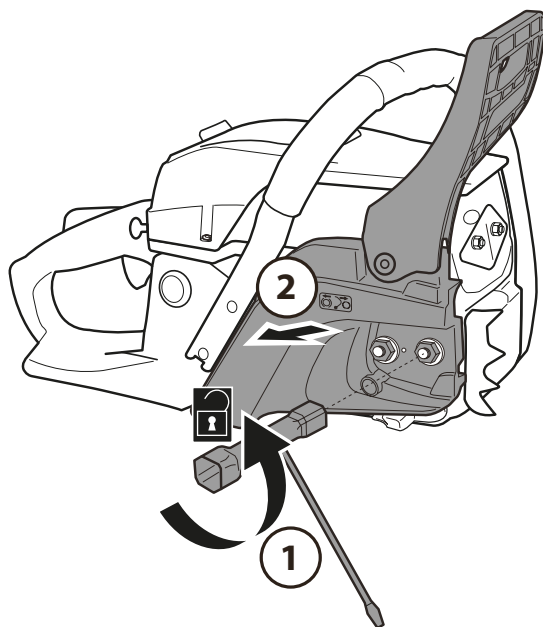
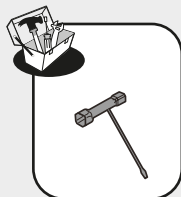




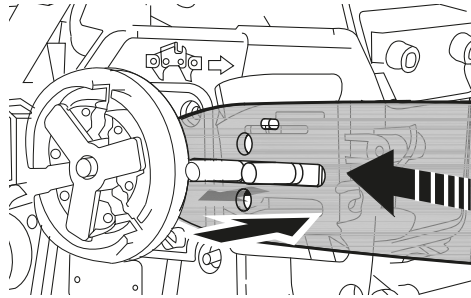
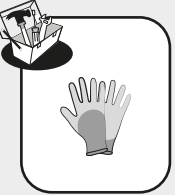
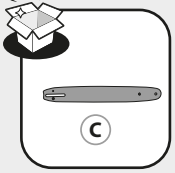
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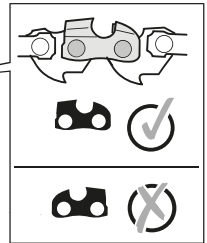
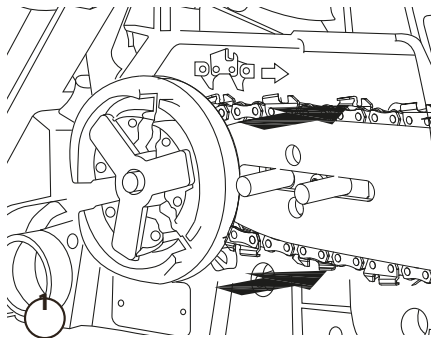
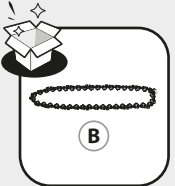
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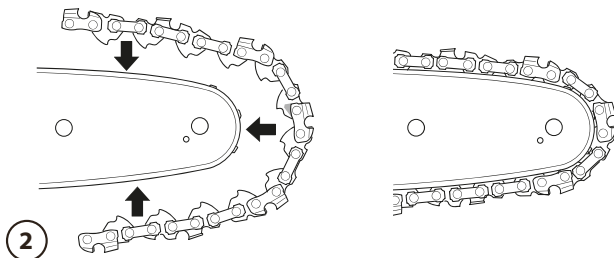
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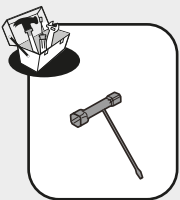


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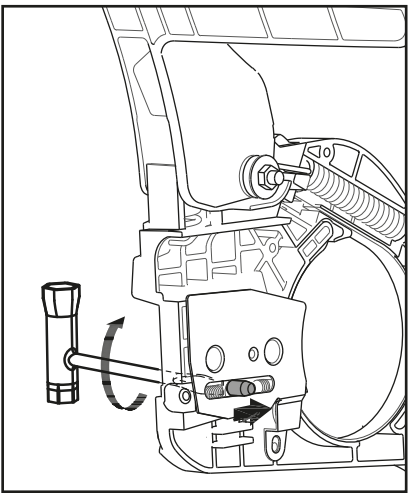


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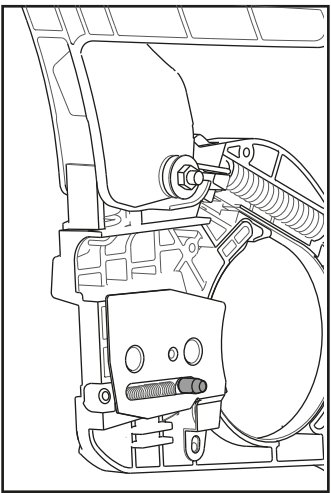




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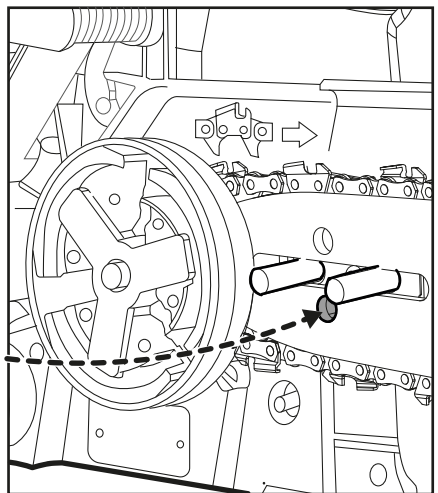
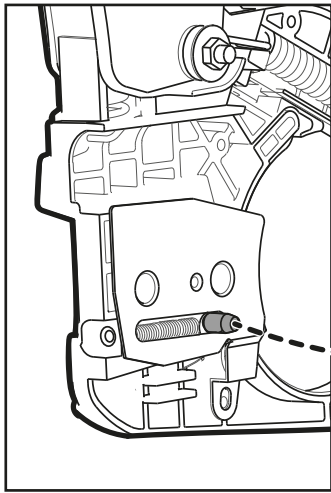


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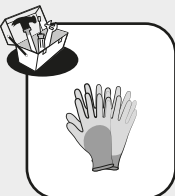
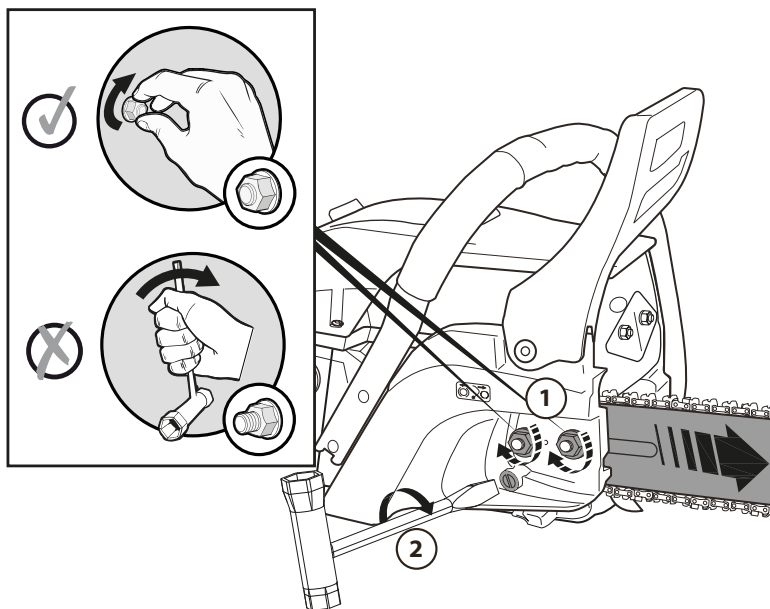


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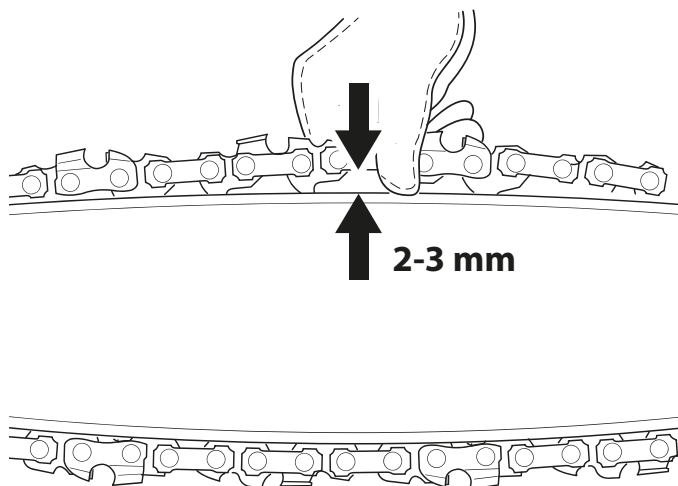
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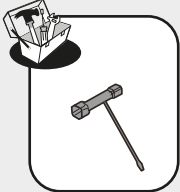


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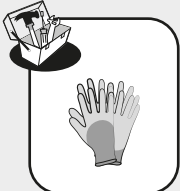
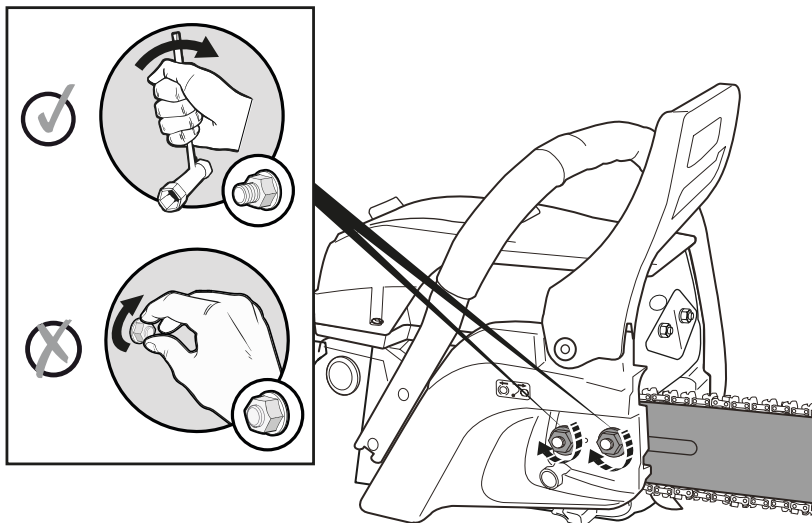


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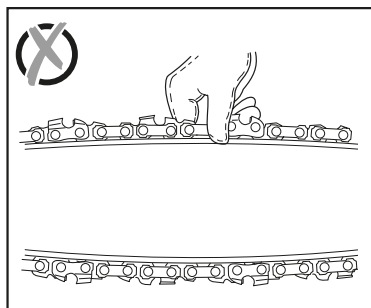
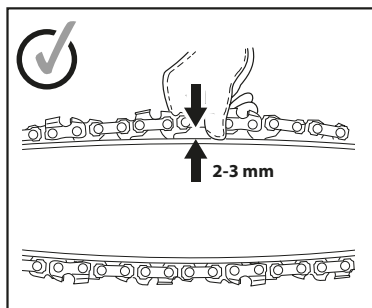




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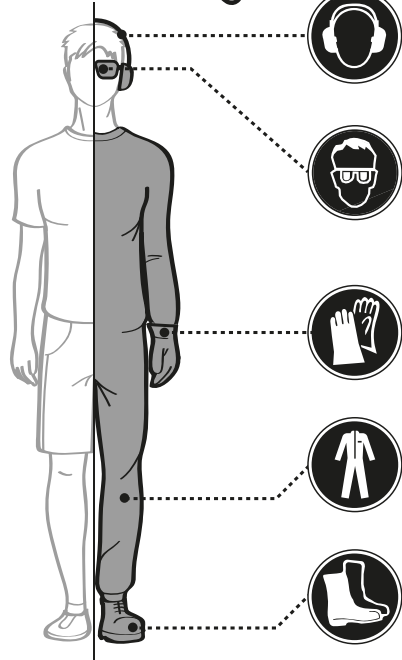


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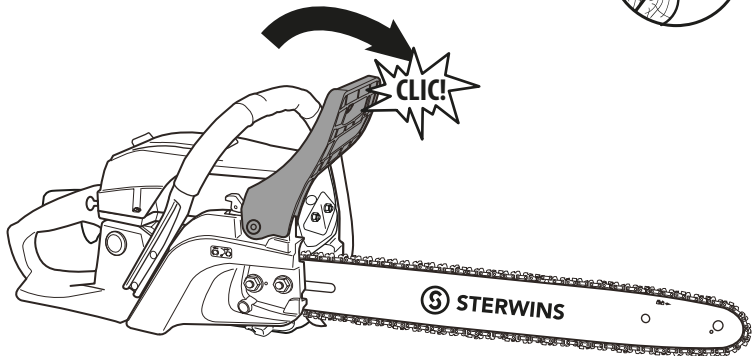




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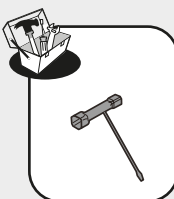
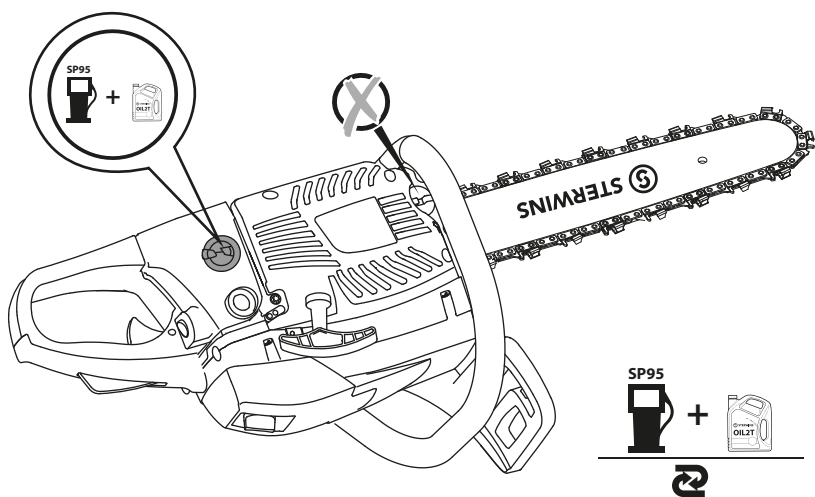


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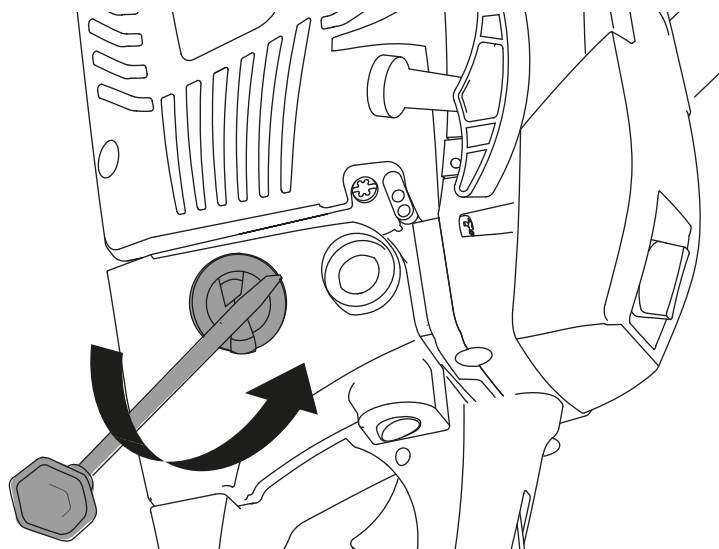




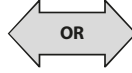
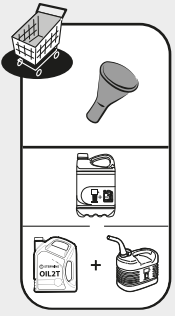
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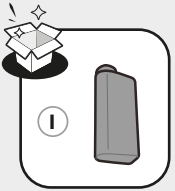
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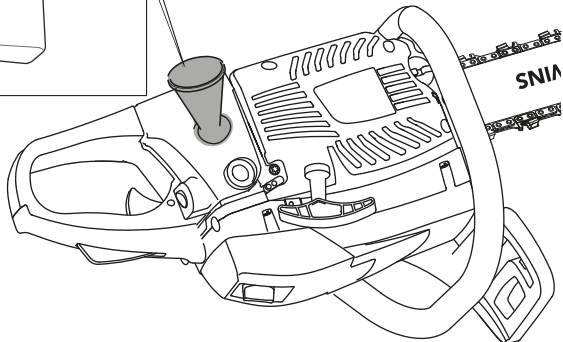
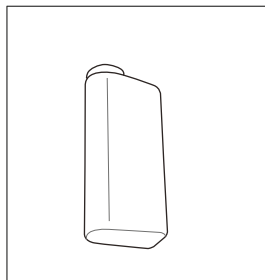
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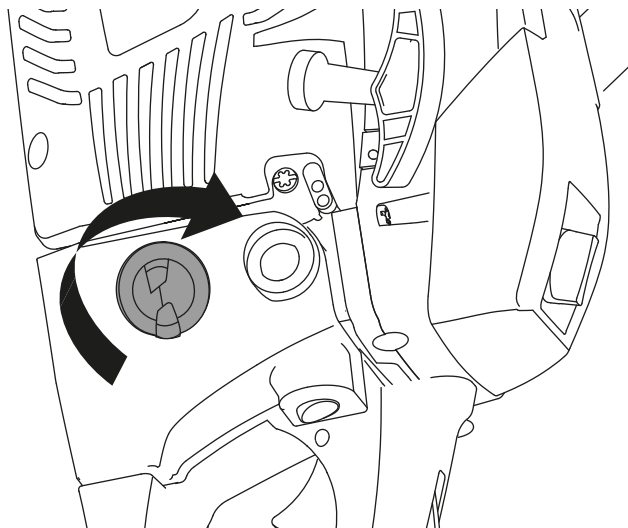
	+	
40:1 ∞		
1L		25ml
2L		50ml
3L		75ml
4L		100ml
5L		125ml



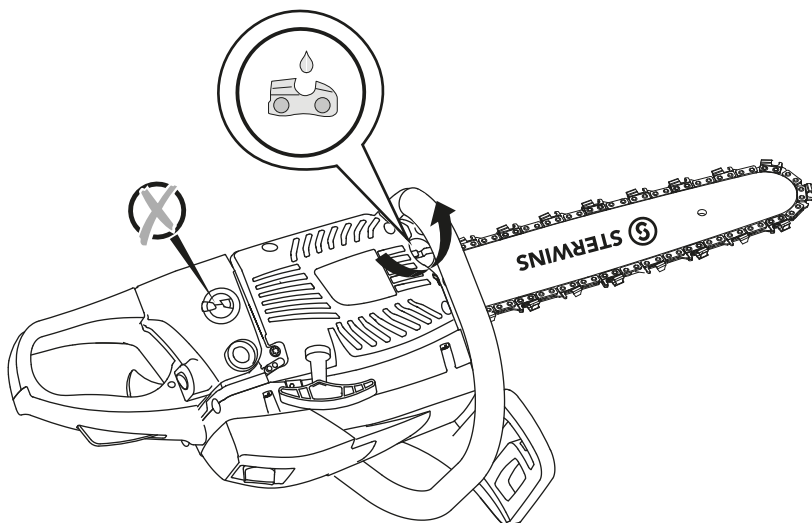
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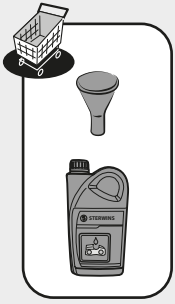


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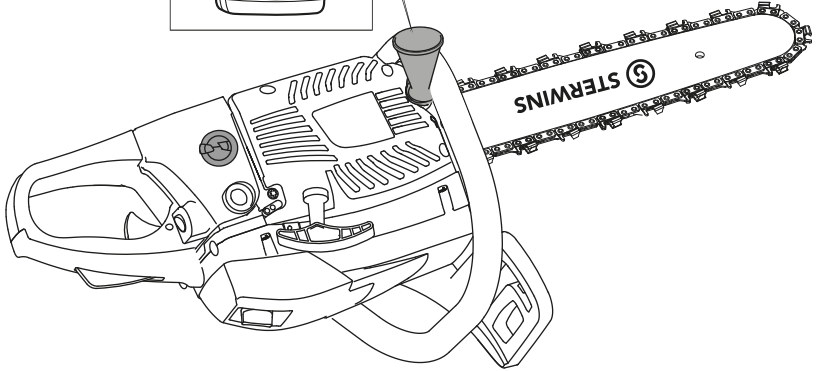
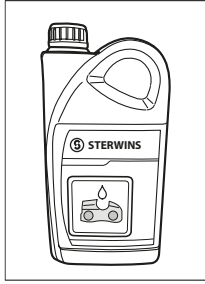


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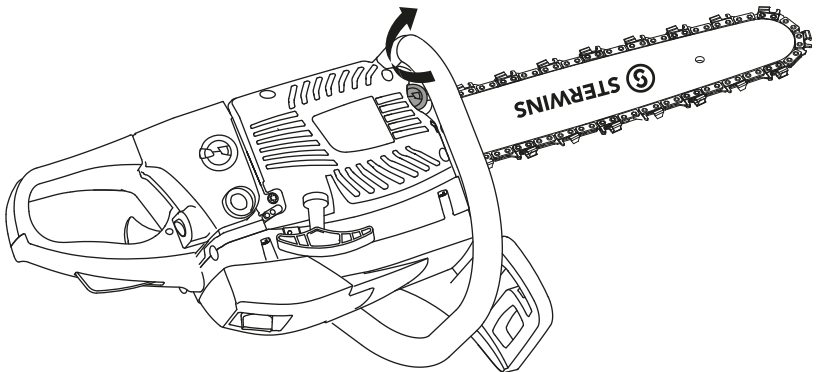




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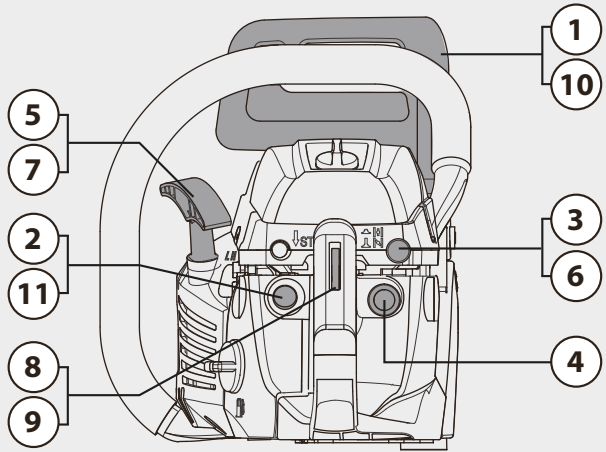


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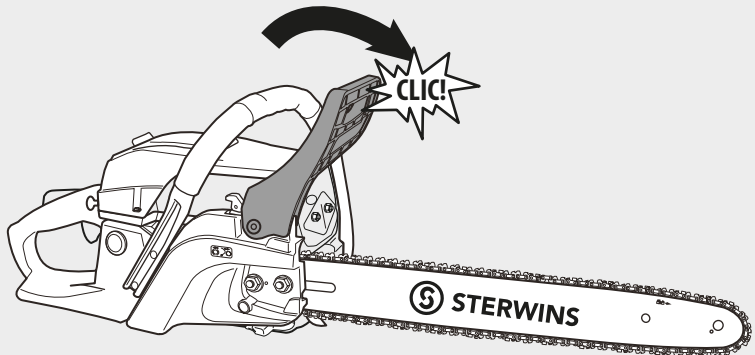




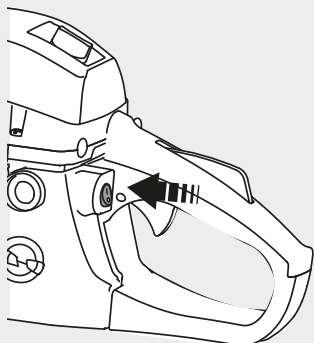
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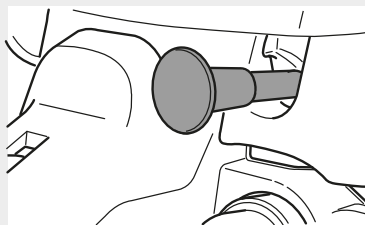
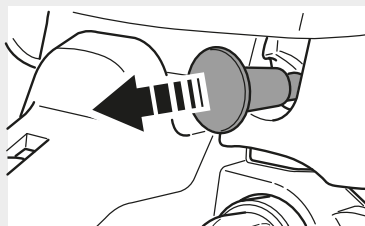
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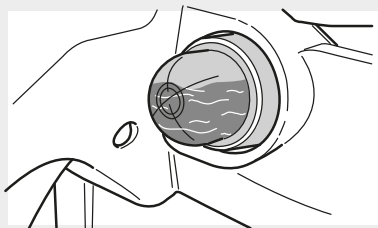
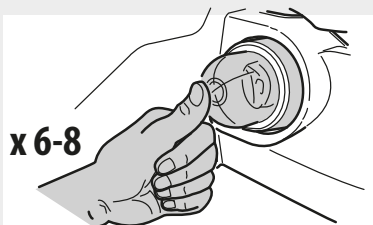
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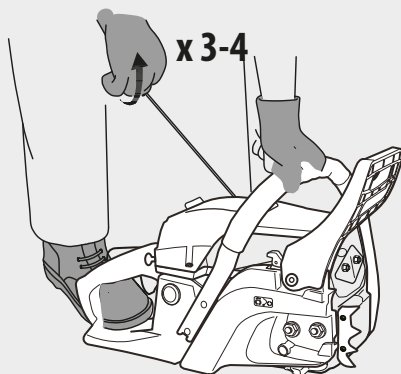
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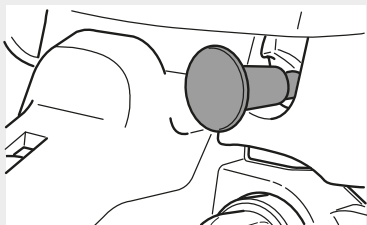
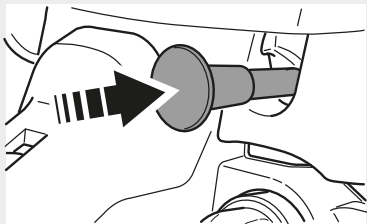
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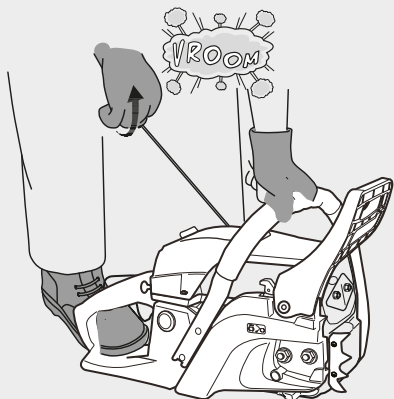
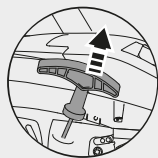
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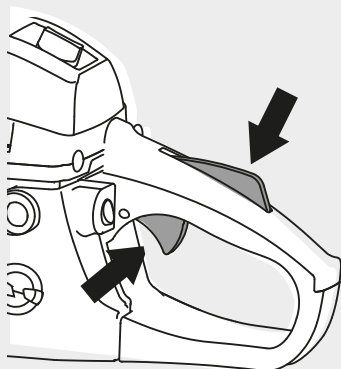
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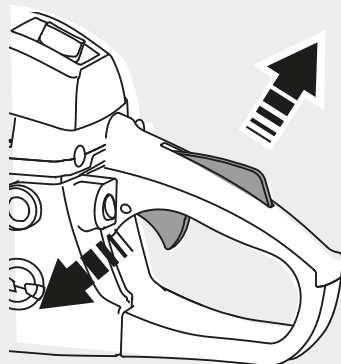
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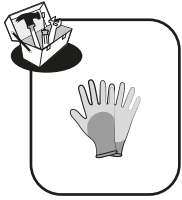


4.9 8



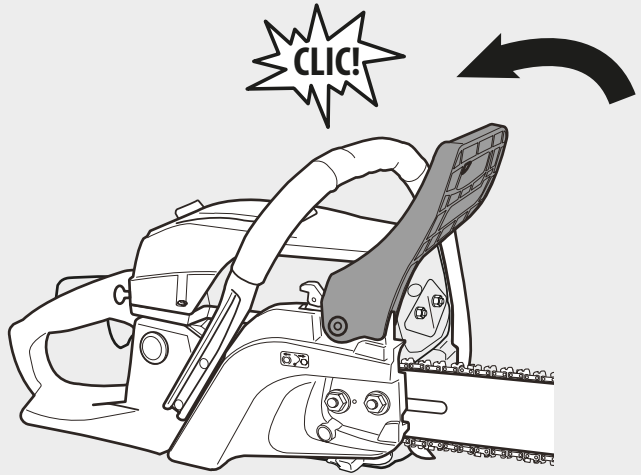
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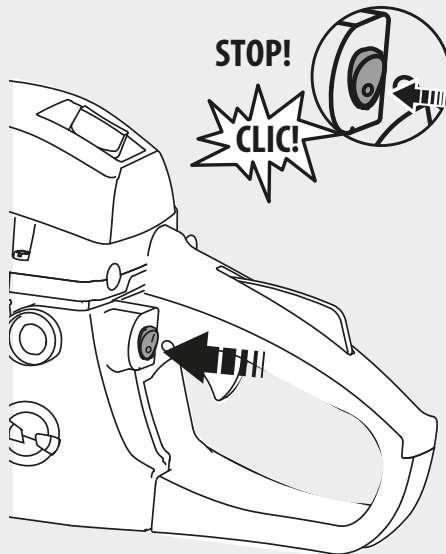
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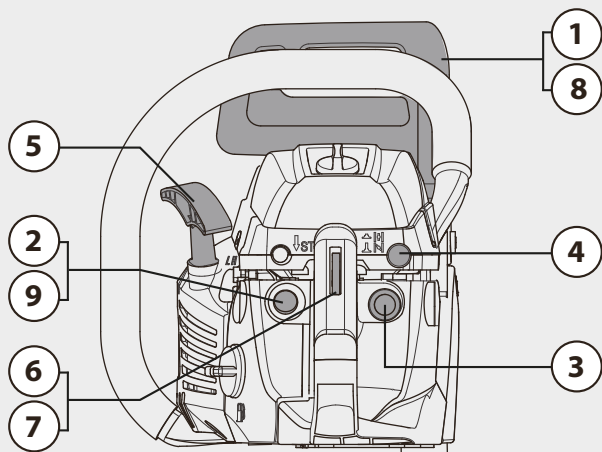


4.12

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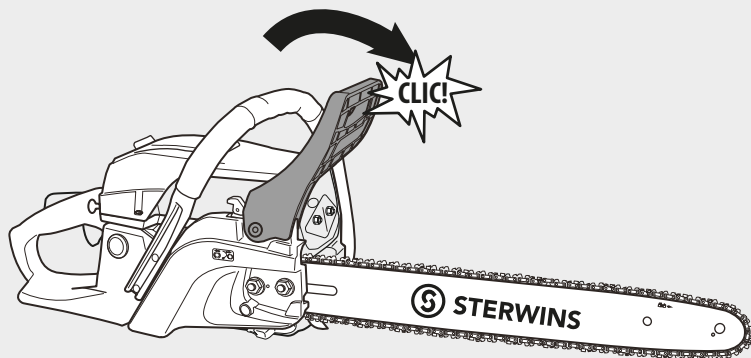


4.13

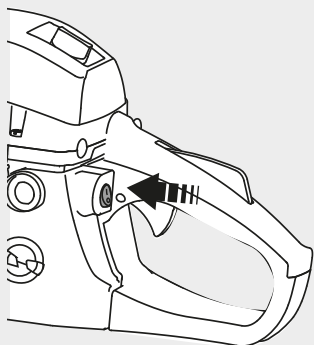


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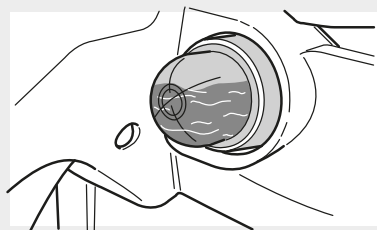
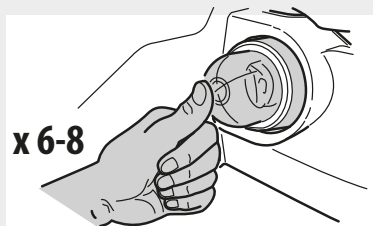
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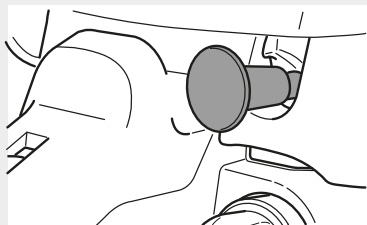
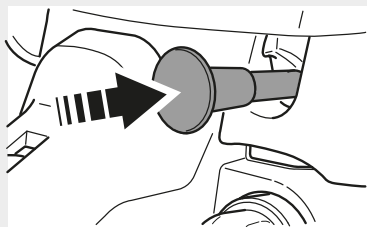
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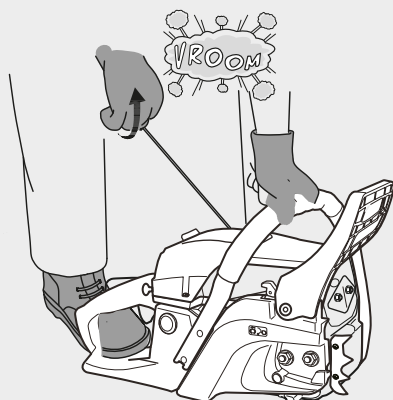
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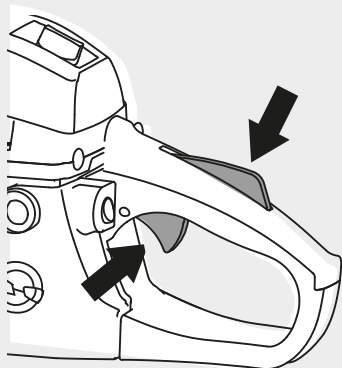
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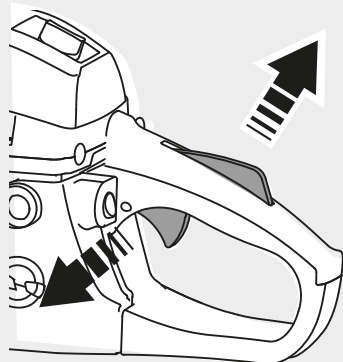
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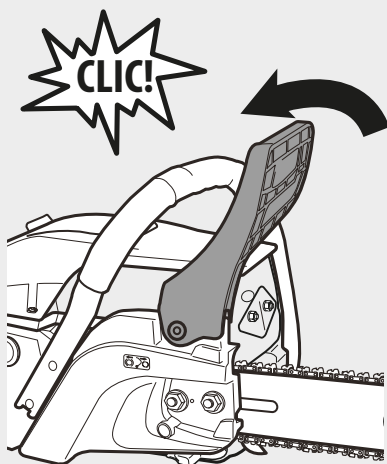
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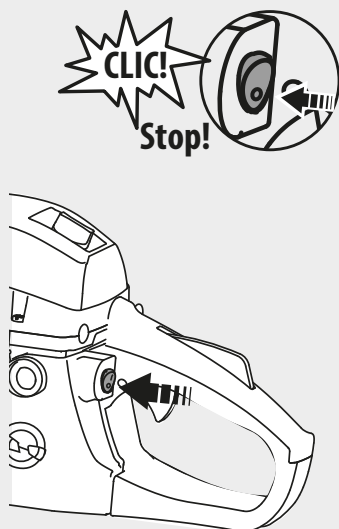
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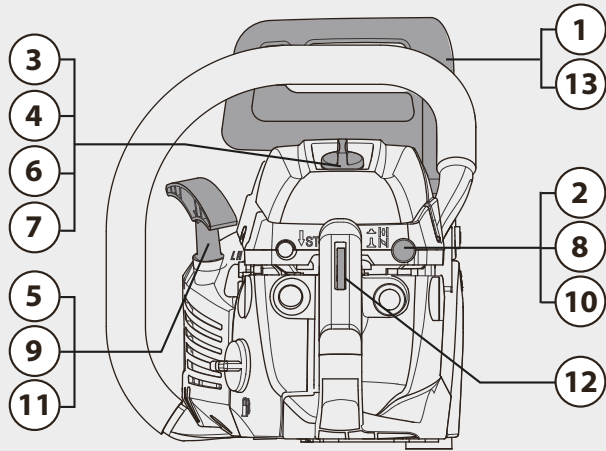
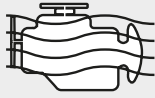
4.21 (8)



4.22 (9)

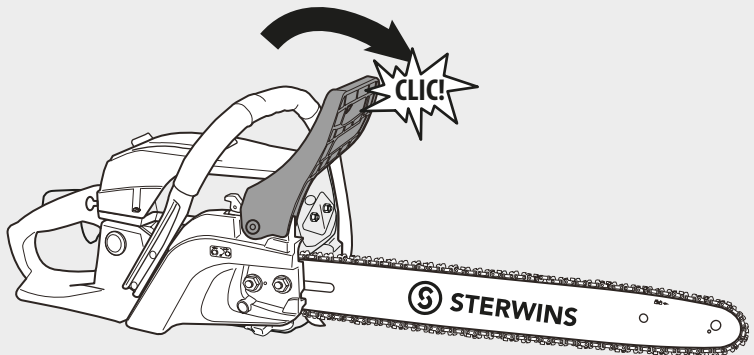


4.23



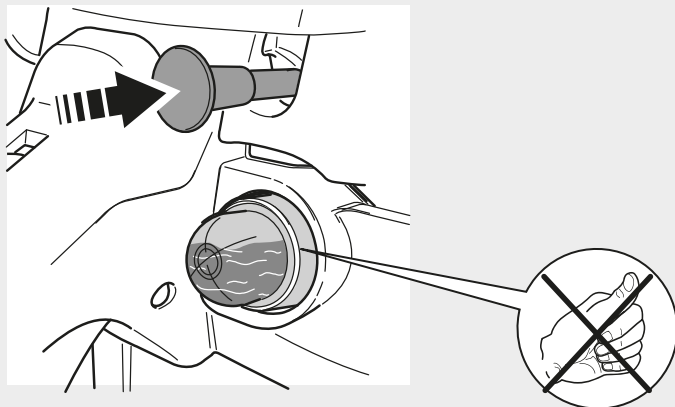
4.24

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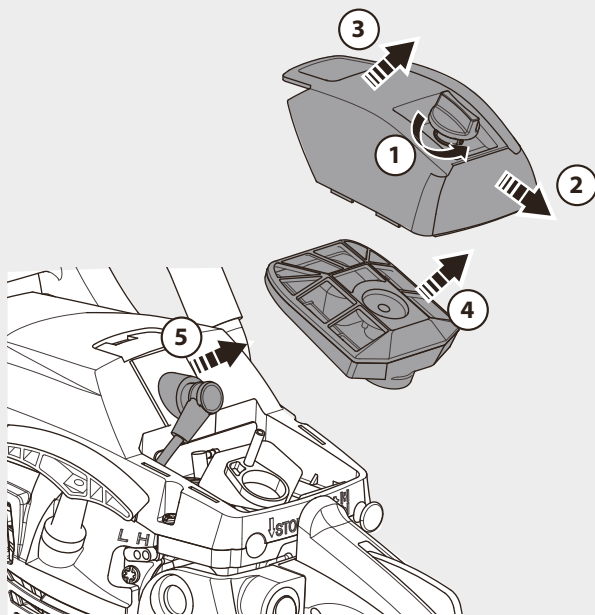
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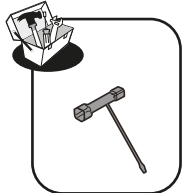
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4.26

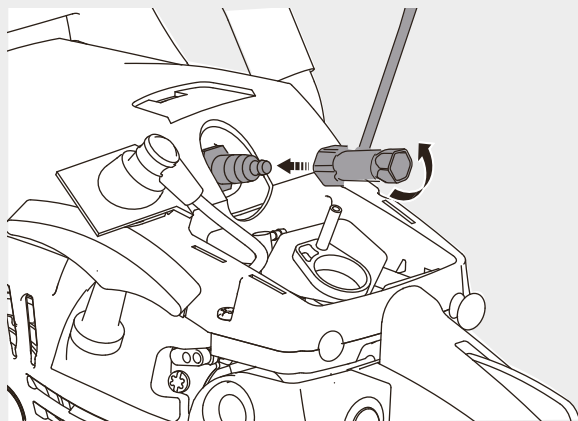
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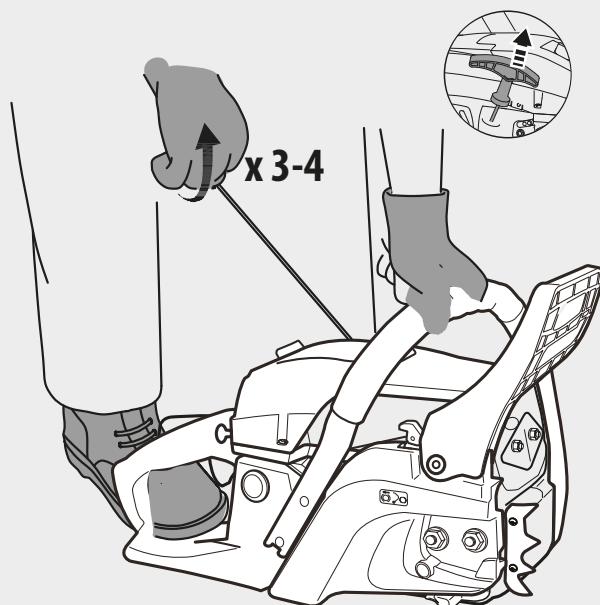
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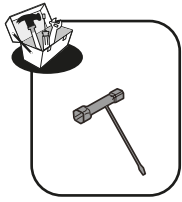
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4.28

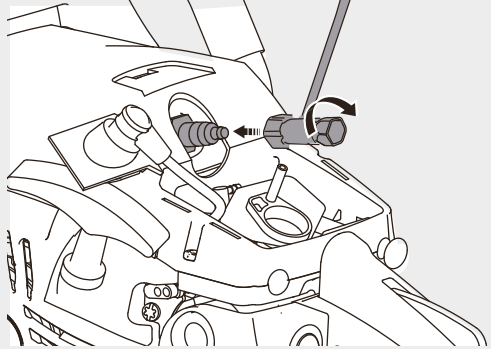
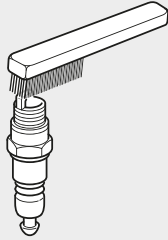
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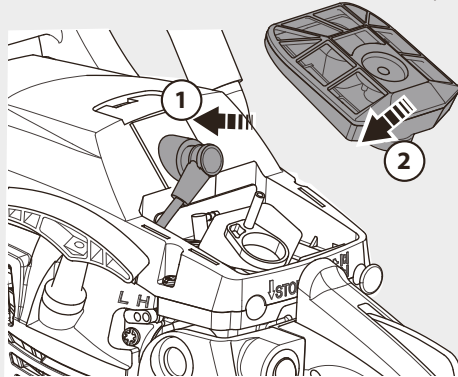
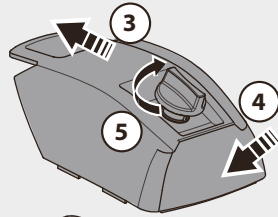
4.29

6



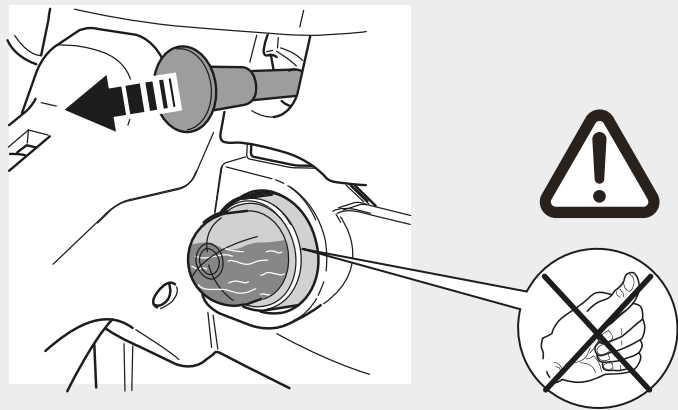
4.30

7



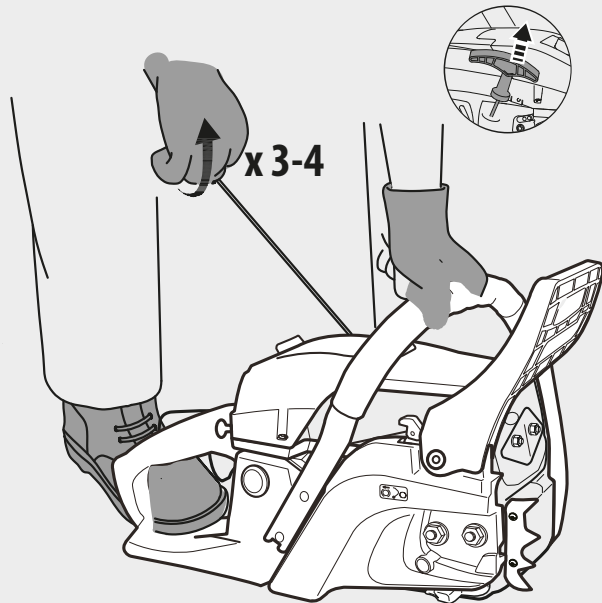
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8



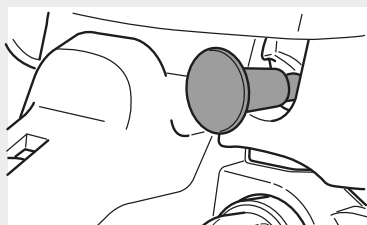
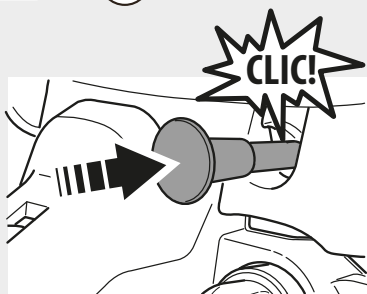
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9



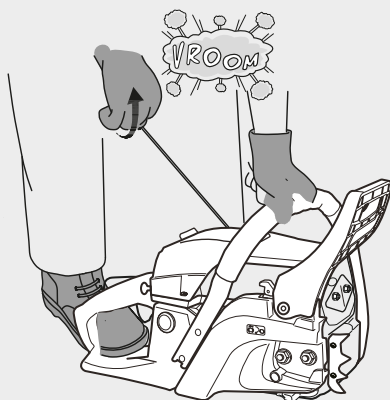
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10



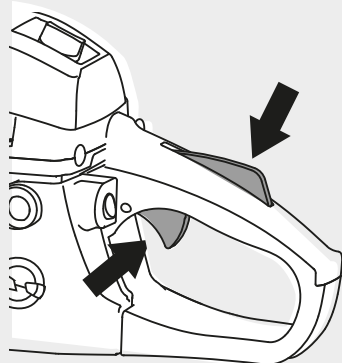
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11



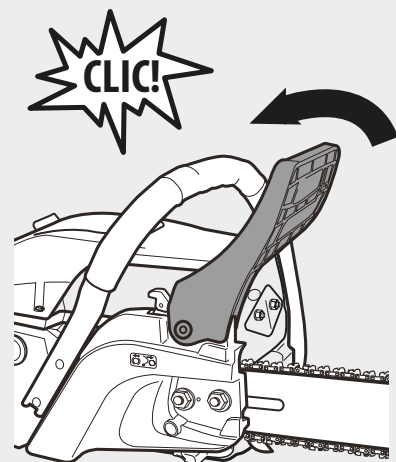
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12

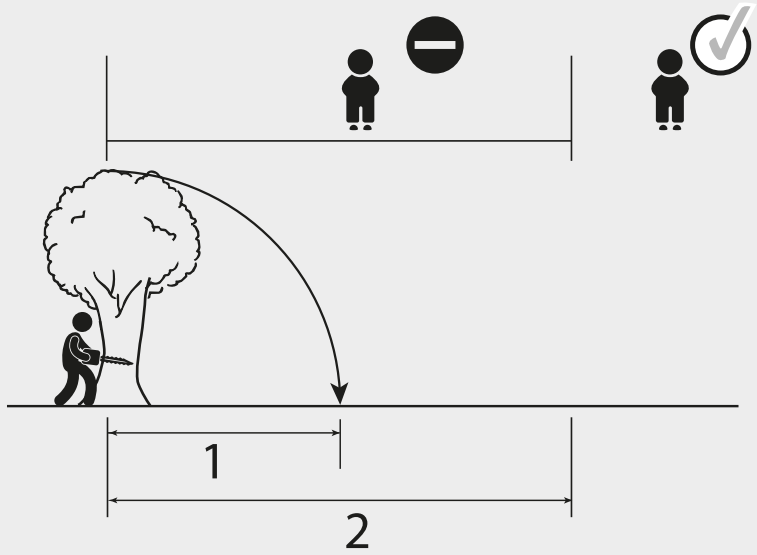


4.36

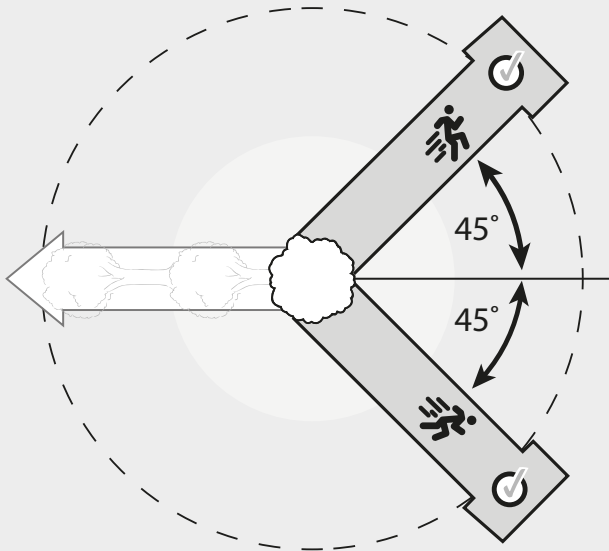
13



4.37

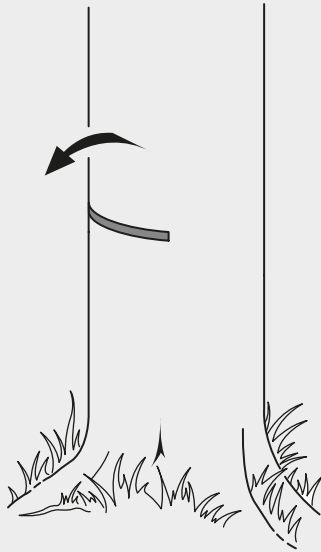


4.38

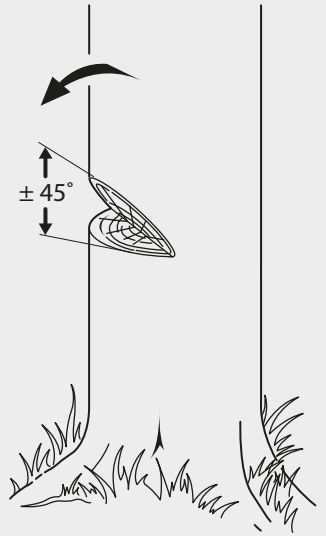


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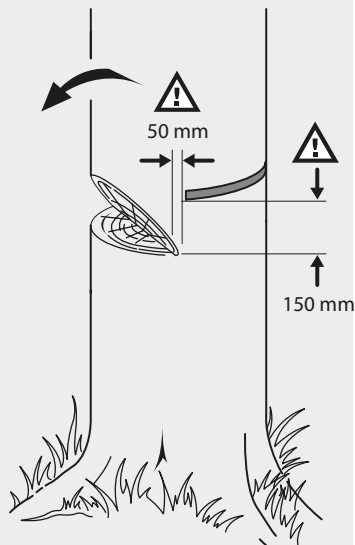
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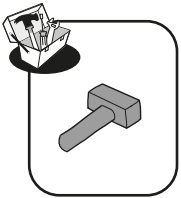
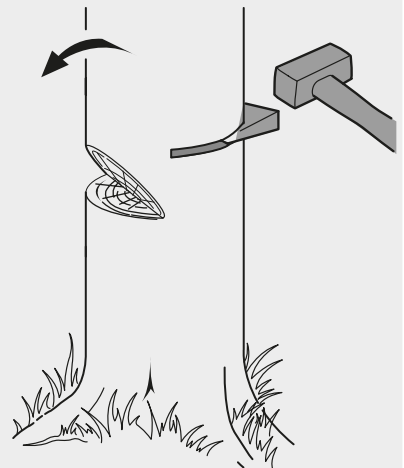
b



c

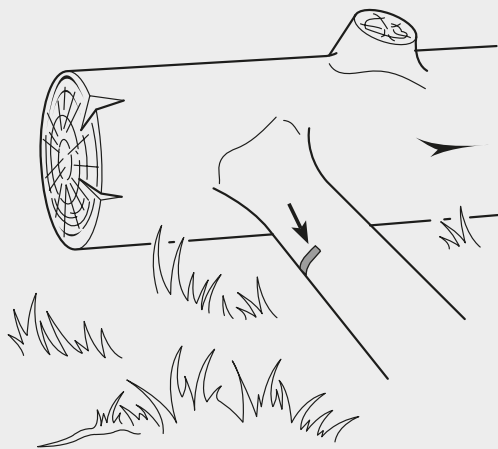
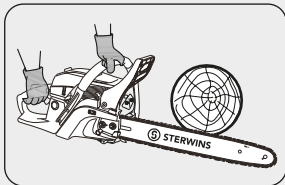


d

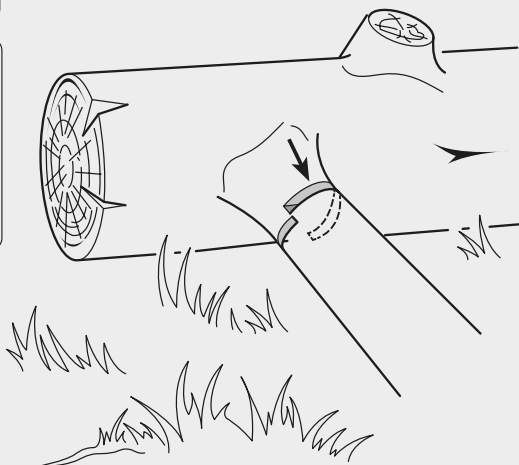
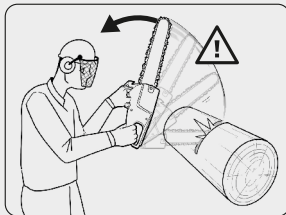
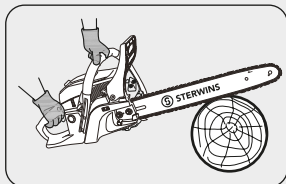


4.40

a

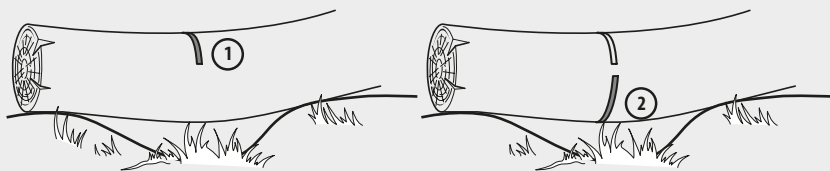


b

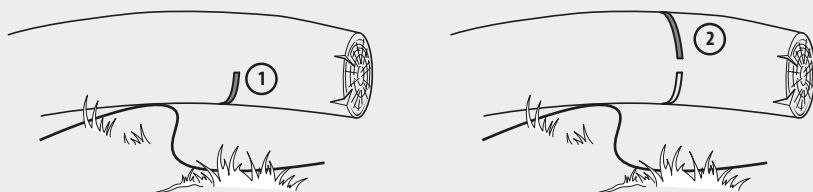


4.41

a



b

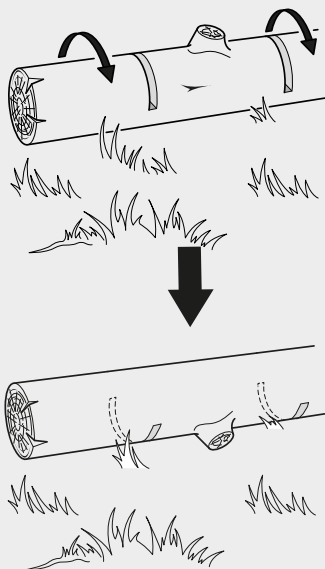


4.42

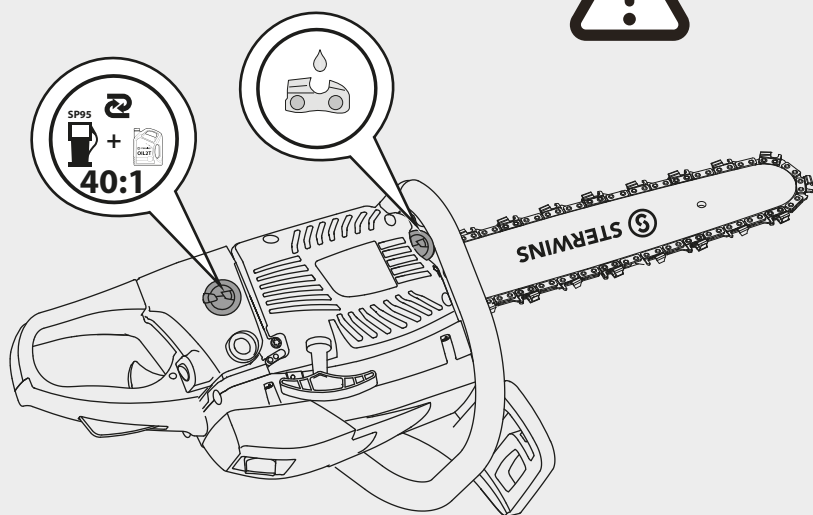
a



b



4.43

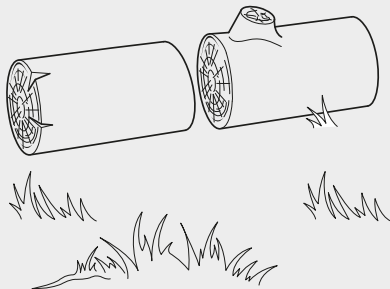


4.44

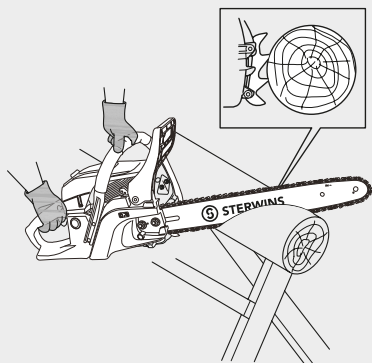
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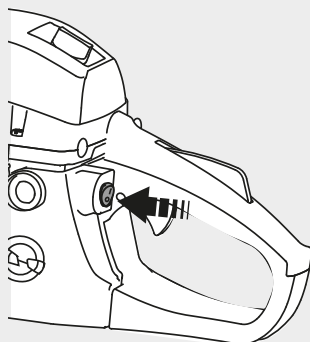
d

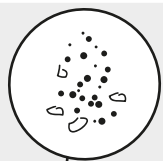
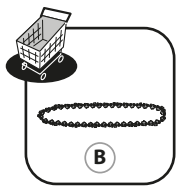


4.45

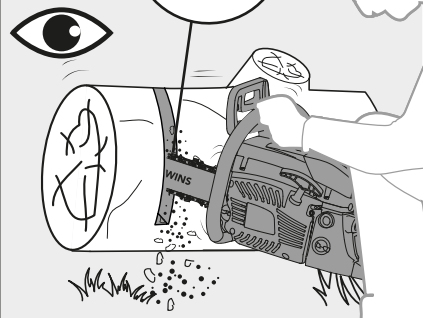
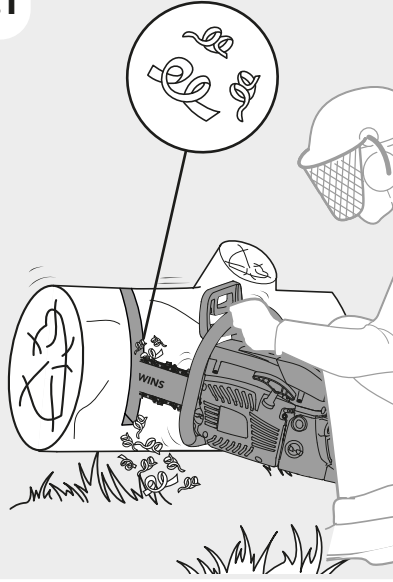


4.46





5.1



After sales

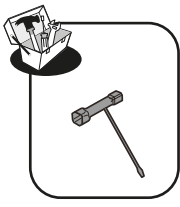


72PCS

36PCS

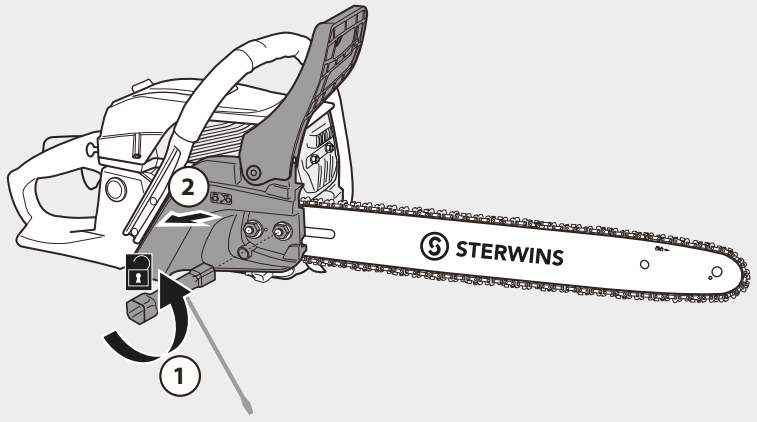
0.325"
8.255mm

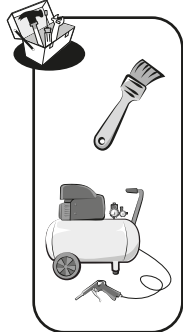
0.058"
1.473 mm



5.2

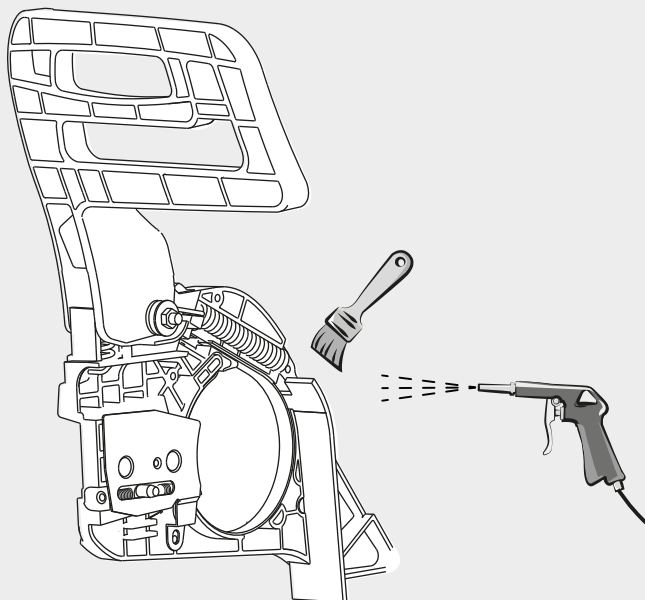
1





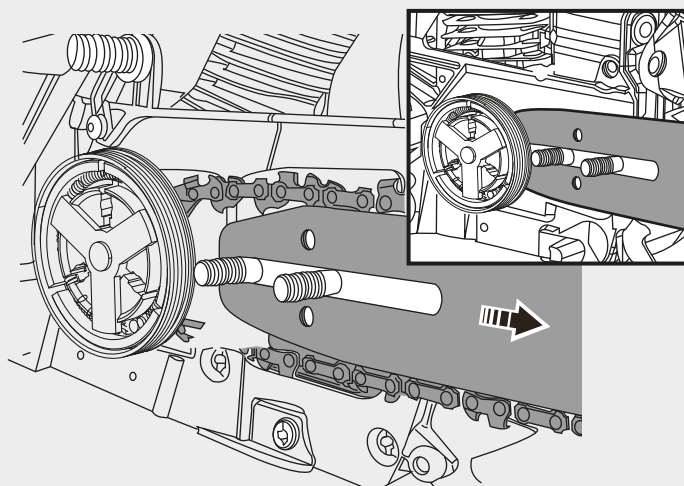
5.3

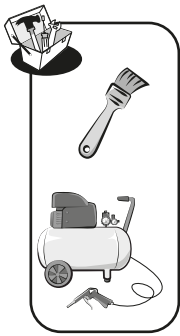
2



5.4

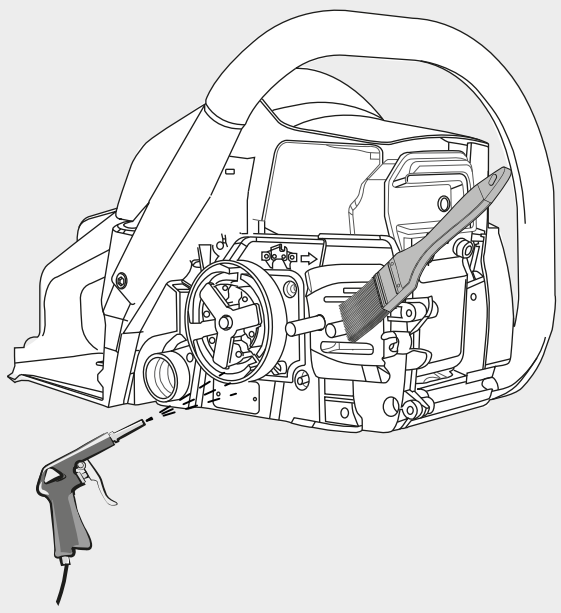
3





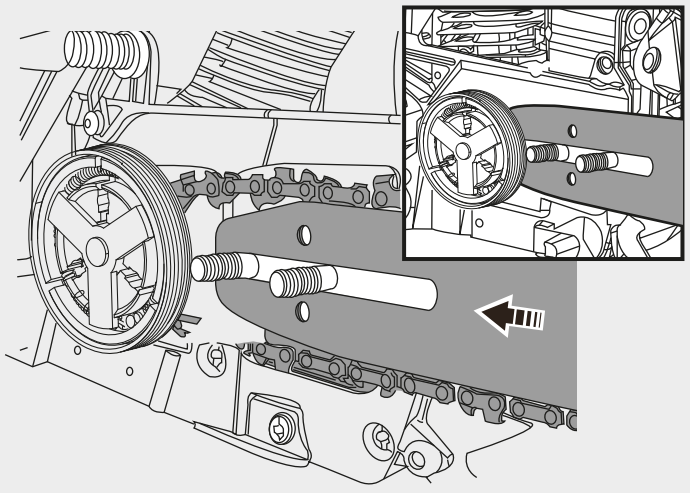
5.5

4



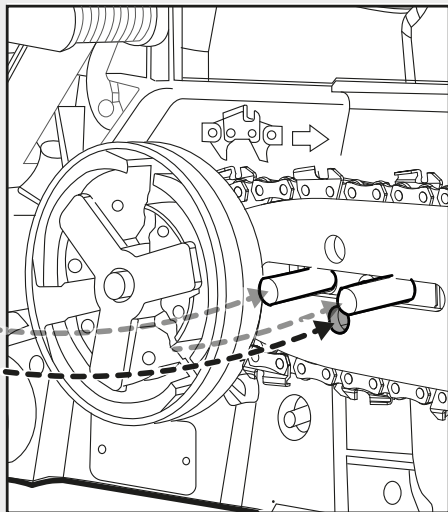
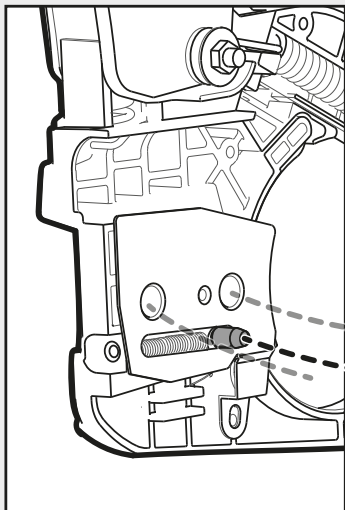
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5



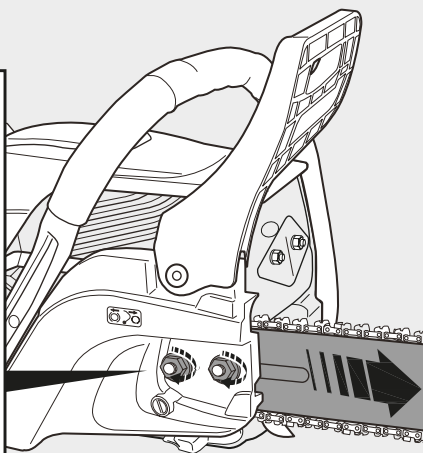
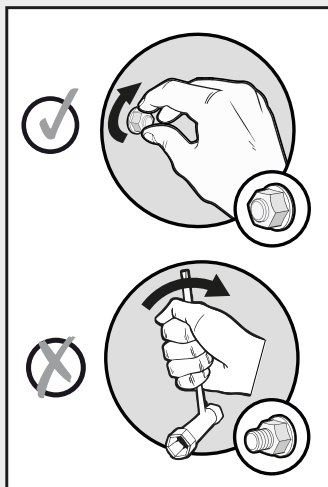
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6



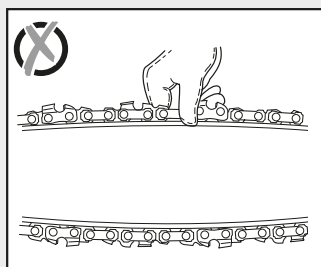
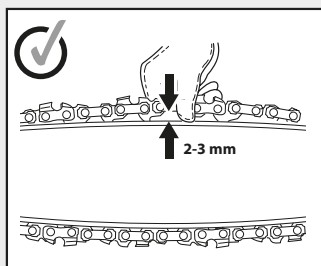
5.8

7



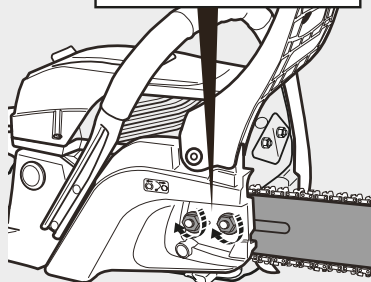
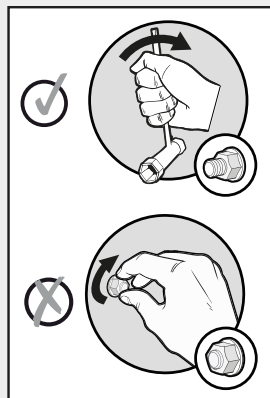
5.9

8



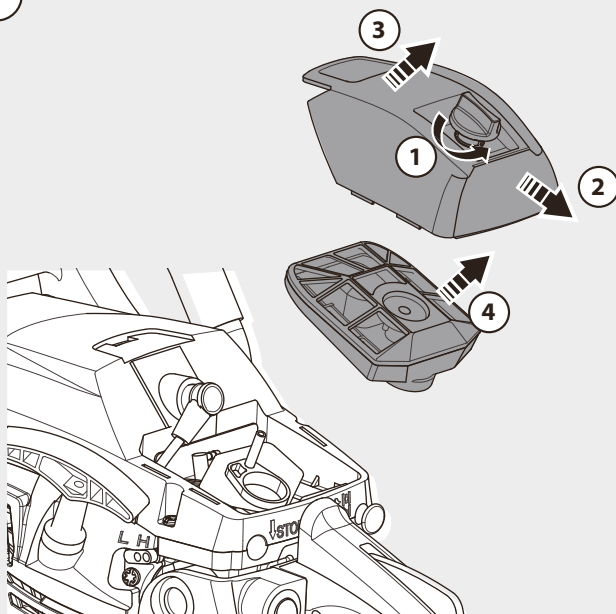
5.10

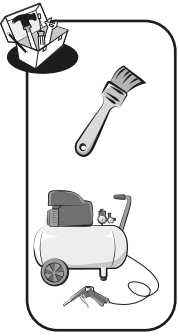
9



5.11

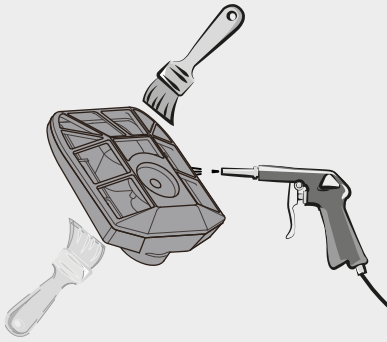
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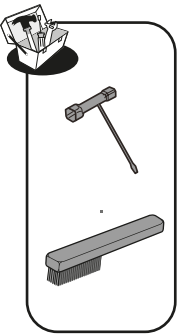
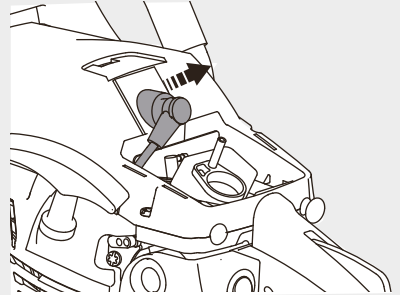
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2



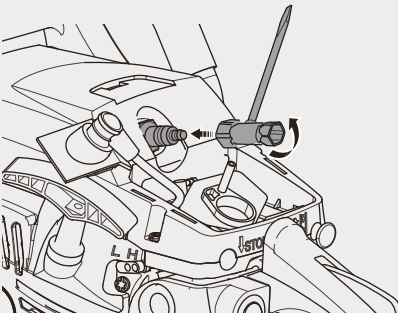
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3



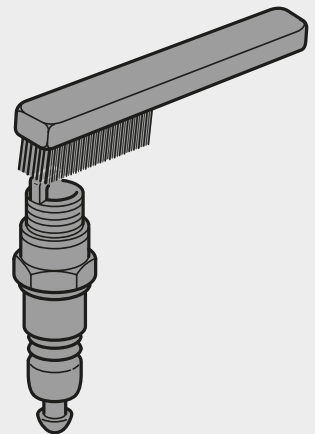
5.14

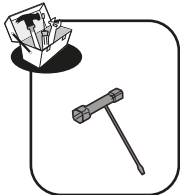
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5.15

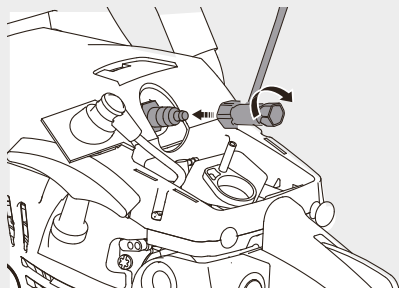
5





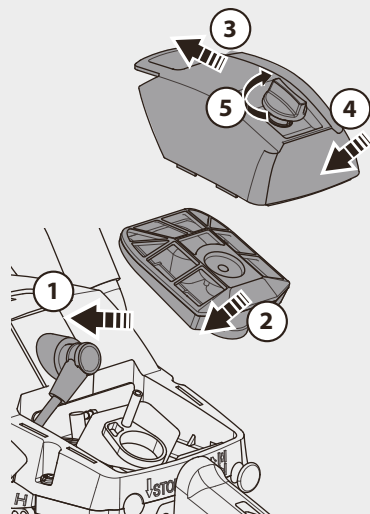
5.16

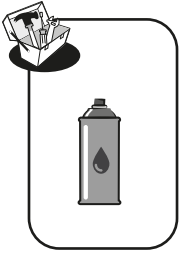
6



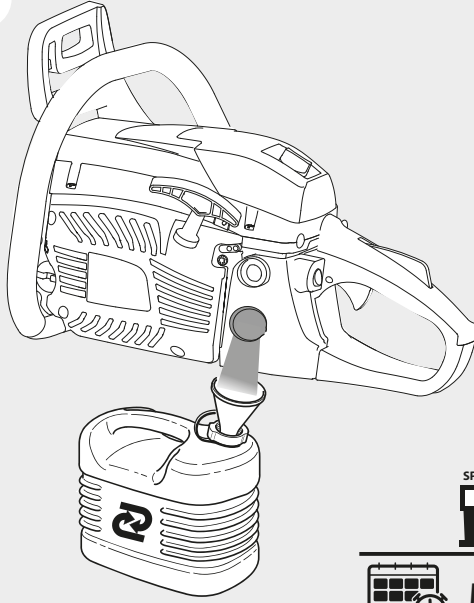
5.17

7



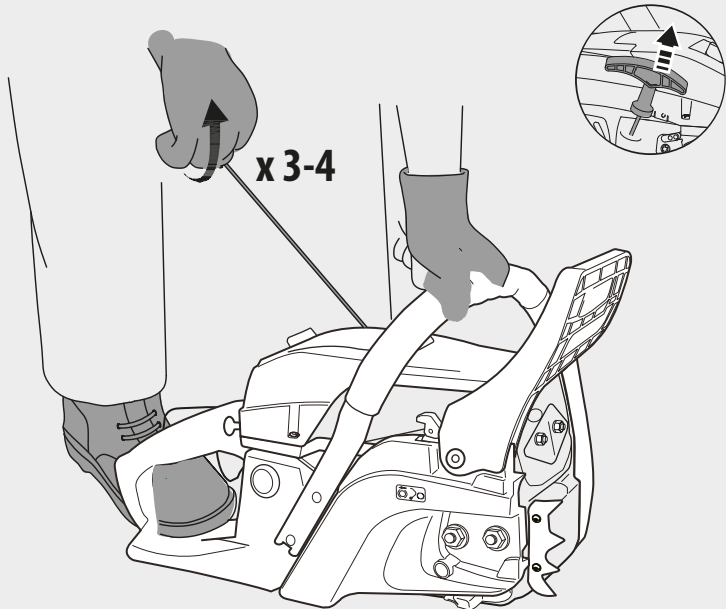


6.1

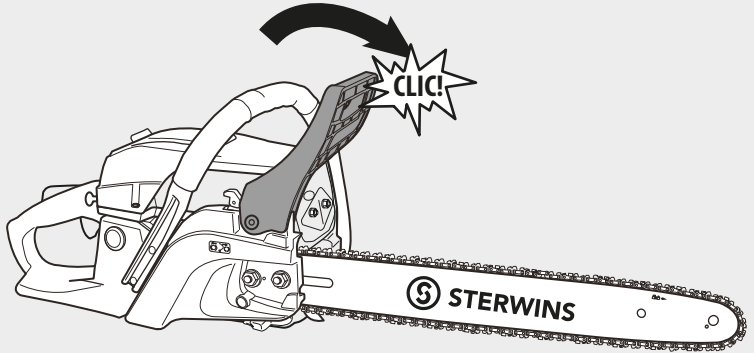


Max 3 Months

6.2



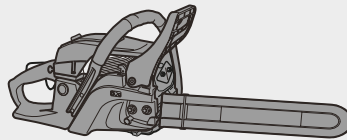
6.3



6.4



4° ~ 24°C



- RU** Ten produkt poddawany jest recyklingowi, kiedy przestaje być użyteczny należy dostarczyć go do punktu zbiórki odpadów.
Этот продукт может перерабатываться. Если он больше не пригоден для пользования, сдайте его в утилизационный центр.
- KZ** Бұл өнім қайта өңдеуге келеді. Оны әрі қолдануға болмайтын жағдайда, оны қайта өңдейтін орталыққа тапсыруыңызды өтінеміз
- EN** This product is recyclable. If it cannot be used anymore, please take it to waste recycling centre.



Made in China
Сделано в Китае
Қытайда жасалған



** Гарантия 3 года / Кепілдік 3 жыл / 3-year guarantee



ADEO:business name (Adeo Services)
Address (135, rue Sadi Carnot- CS 00001 59790- RON-
CHIN- France)

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«ЛЕРУА МЕРЛЕН ВОСТОК», 141031, МО, г. Мытищи,
Осташковское шоссе, д.1, РФ

Импорртаушы / Тауардың сапасы бойынша
наразылықтарды қабылдауға өкілетті тұлға:

«Леруа Мерлен Қазақстан» ЖШС Қазақстан
Республикасы, 050000, Алматы қ., Қонаев көшесі, 77,
«ParkView» БО, 6к., 07-кеңсе

Импортер\Продавец\Лицо уполномоченное
принимать претензии по качеству товара :
ООО «Леруа Мерлен Бел», 220020, Республика
Беларусь, город Минск, проспект Победителей,
100, офис 503