



User Manual

 **FERREX[®]**

40 V LI-ION CORDLESS CHAINSAW



Original instructions

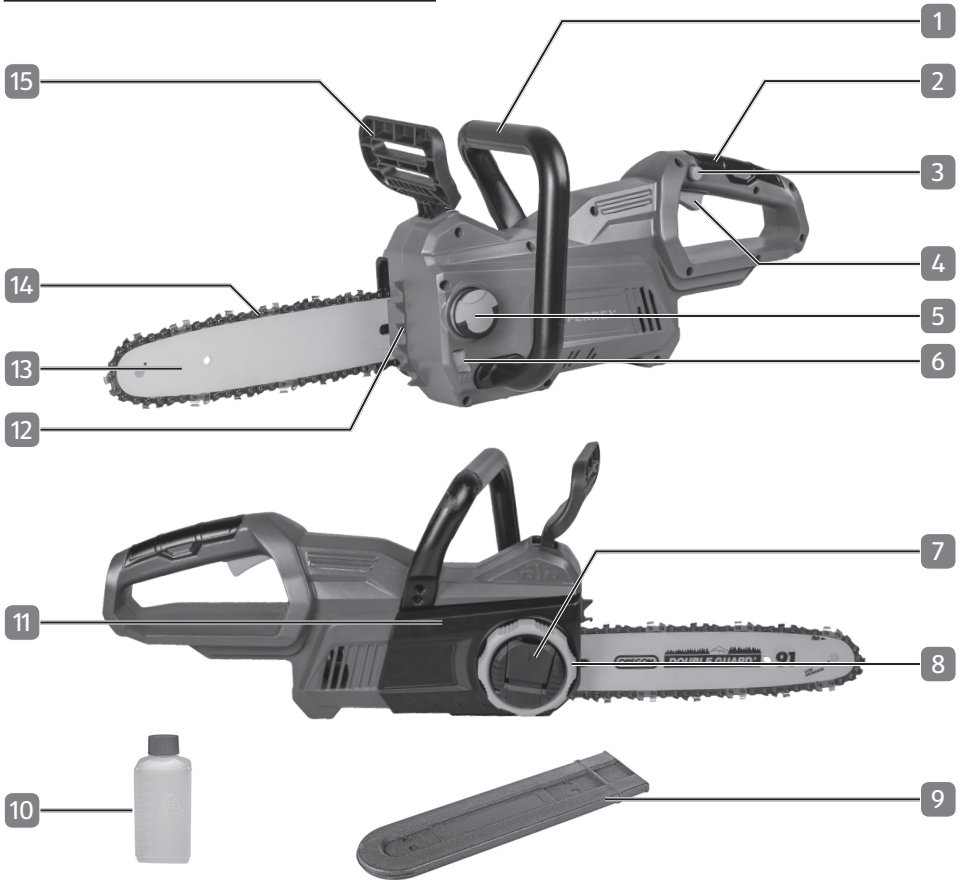
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Scope of delivery / parts list

- | | |
|---|--|
| 1. Front handle | 8. Adjustment wheel (for quick chain tension adjustment) |
| 2. Rear handle | 9. Blade cover |
| 3. Locking knob | 10. 2 Oil containers (200 ml) |
| 4. On/Off switch | 11. Chain guard cover |
| 5. Oil tank cap | 12. Bumper spikes |
| 6. Oil inspection window | 13. Sawblade |
| 7. Twist lock (for attaching the blade) | 14. Saw chain |
| | 15. Hand guard |

NO battery and NO charger included













General

Reading and storing the user manual

This user manual is an integral part of this 40 V Li-Ion cordless chainsaw (hereafter referred to only as the "chainsaw"). It contains important information on safety, usage and maintenance. Please read the user manual carefully before using the chainsaw. Pay particular attention to the safety instructions and warnings. Failure to follow the instructions given in this manual may result in serious injury or damage to the chainsaw. If the chainsaw is passed on to others, please give this user manual along with the chainsaw. Keep this manual in a safe place for future reference.

Symbols used in this manual

The following symbols and key words are used in this user manual, on the chainsaw or on the packaging.

 WARNING!	Indicates a hazard that, if not avoided, could result in death or serious injury.
 CAUTION!	Signals a hazard that can cause injuries when ignored.
 NOTE!	Warns against possible damages.
	This symbol refers to useful information on assembly or usage.
	Products marked with this symbol comply with all applicable regulations of the European economic area.
 	Read the user manual.
	Wear ear protection.
	Wear safety goggles.
	36 month warranty



Do not use the chainsaw during rain or leave it outside when it is raining.



Make sure that the hand guard is locked in the correct position before using the chainsaw each time.



Check the chain tension before using the chainsaw each time and adjust it if necessary.



Check the oil level before using the chainsaw and fill oil if necessary.



Caution! Risk of kickback.



Hold the chainsaw with both hands using the handles provided.



Never operate the chainsaw with only one hand.



Avoid contact between the saw tip and the material being cut.



The "GS" symbol stands for verified safety. Products that are marked with this symbol meet the requirements of the German product safety law (ProdSG).

The following designation of the chainsaw is achieved by a code that is a combination of letters and numbers:

WWS - **AKS** **40** - **SP**
 Manufacturer Product (GER) Power Version

Manufacturer = WALTER Werkzeuge Salzburg GmbH (WWS) ; **Product (GER)** = Akku-Kettensäge (AKS);
Power = 40 V ---; **Version** = Skin-Product (SP)

Safety

Intended use

The chainsaw has been designed for private use and for the following hobby and DIY applications:

- For felling trees, cutting branches and wood.

Any other use is expressly prohibited and is considered as misuse. The manufacturer cannot be held responsible for damage or injury caused by misuse of the product.

Examples of misuse are given in the following non-exhaustive list:

- Using the chainsaw for anything other than the intended purpose.
- Using unsuitable accessories
- Using non-original spare parts.
- Incorrect operation or misuse.
- Failure to follow the safety instructions and warnings as well as the assembly, operating, service and maintenance instructions given in this operating manual.
- Failure to follow any accident prevention, occupational health or safety regulations specific and/or generally applicable to the use of the chainsaw.
- Repairs performed by unauthorised third party workshops.
- Use and maintenance by someone who is not familiar with the chainsaw and/or who does not understand the associated risks.
- Commercial, non-industrial or industrial use of the chainsaw.

Use the accessories according to these instructions. Failure to follow the instructions given in this user manual may result in serious injuries and loss of warranty. Comply with applicable local or national regulations concerning the use of this chainsaw. Do not make any modifications to the chainsaw. Any modification to the chainsaw may be dangerous and is prohibited.

Residual risks

Residual risks cannot be completely ruled out even in case of proper use. Due to the nature of the chainsaw, the following risks may arise:

- Health issues resulting from vibration, if the chainsaw is used for an extended period of time, or is not operated and maintained properly,
- Injury and property damage caused by parts flung out or tool attachment breakage.
- Kickback of the workpiece or parts of the workpiece if handled incorrectly.
- Contact with the rotating chainsaw (lacerations).
- Hearing damage if the required ear protection is not worn.
- Toxic saw dust may be produced if the saw is used in enclosed spaces.

General safety instructions for power tools



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.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1) Work area safety

- a) **Keep work area clean and well lit.** *Cluttered or dark areas invite accidents.*
- b) **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.*
- c) **Keep children and bystanders away while operating a power tool.** *Distractions can cause you to lose control.*

2) Electrical safety

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

3) Personal safety

- a) **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.*
- b) **Use personal protective equipment. Always wear eye protection.** *Protective equipment such as a dust mask, non-skid safety shoes, hard hat, or hearing protection used for the appropriate conditions will reduce personal injuries.*
- c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to a power source and/or battery pack, picking up or carrying the tool.** *Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.*
- d) **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.*
- e) **Do not overreach. Keep a proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*
- f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** *Loose clothes, jewellery or long hair can be caught in moving parts.*
- g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** *Use of these devices can reduce dust-related hazards.*

4) Power tool use and care

- a) **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.*
- b) **Do not use the power tool if the switch does not turn it on and off.** *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*
- c) **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** *Such preventive*

safety measures reduce the risk of starting the power tool accidentally.

- d) 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.*
- e) 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.*
- f) Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*
- g) 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.*

5) Battery tool use and care

- a) Recharge only with the charger specified by the manufacturer.** *A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.*
- b) Use power tools only with specifically designated battery packs.** *Use of any other battery packs may create a risk of injury and fire.*
- c) When the battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects that can make a connection from one terminal to another.** *Shorting the battery terminals together may cause burns or a fire.*
- d) Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** *Liquid ejected from the battery may cause irritation or burns.*

6) Service

- a) 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.*

Safety instructions for chainsaws

- a) **Keep all parts of the body away from the saw chain when the chain saw is operating. Before you start the chain saw, make sure the saw chain is not contacting anything.** *A moment of inattention while operating chain saws may cause entanglement of your clothing or body with the saw chain.*
- b) **Always hold the chain saw with your right hand on the rear handle and your left hand on the front handle.** *Holding the chain saw with a reversed hand configuration increases the risk of personal injury and should never be done.*
- c) **Hold the power tool by insulated gripping surfaces only, because the saw chain may contact hidden wiring or its own cord.** *Saw chains contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.*
- d) **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.*
- e) **Do not operate a chain saw in a tree.** *Operation of a chain saw while up in a tree may result in personal injury.*
- f) **Always keep proper footing and operate the chain saw only when standing on fixed, secure and level surface.** *Slippery or unstable surfaces such as ladders may cause a loss of balance or control of the chain saw.*
- g) **When cutting a limb that is under tension be alert for spring back.** *When the tension in the wood fibres is released the spring loaded limb may strike the operator and/or throw the chain saw out of control.*
- h) **Use extreme caution when cutting brush and saplings.** *The slender material may catch the saw chain and be whipped toward you or pull you off balance.*
- i) **Carry the chain saw by the front handle with the chain saw switched off and away from your body. When transporting or storing the chain saw always fit the guide bar cover.** *Proper handling of the chain saw will reduce the likelihood of accidental contact with the moving saw chain.*
- j) **Follow instructions for lubricating, chain tensioning and changing accessories.** *Improperly tensioned or lubricated chain may either break or increase the chance for kickback.*

- k) **Keep handles dry, clean, and free from oil and grease.** *Greasy, oily handles are slippery causing loss of control.*
- l) **Cut wood only. Do not use chain saw for purposes not intended. For example: do not use chain saw for cutting plastic, masonry or non-wood building materials.** *Use of the chain saw for operations different than intended could result in a hazardous situation.*

Causes and operator prevention of kickback

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

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

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

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

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

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

Before using the chainsaw

Check the chainsaw and pack contents

- Take the chainsaw out of the packaging.
- Check that the delivery is complete (see section: “List of contents and features”)
- Check whether the chainsaw or any of its individual parts are damaged.
- If this is the case, do not use the chainsaw. Contact the manufacturer at the service address specified on the warranty card.

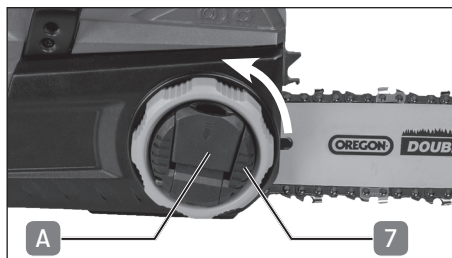
Mounting /replacing the saw blade and saw chain



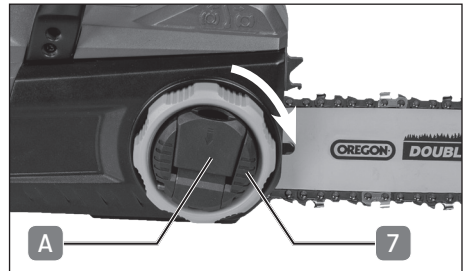
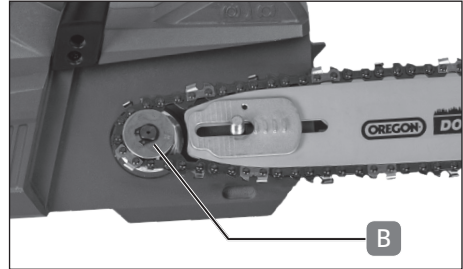
WARNING!

Check the chain thoroughly for any damage before mounting it. Wear appropriate safety gloves.

- Place the saw on a flat and stable surface
- Open the screw cap **7** of the chain guard cover by opening the spring lever **A**.
- Turn the screw cap anti-clockwise to remove it.
- Remove the chain guard cover **11** including adjusting wheel.
- If you want to replace the saw blade **13** and the saw chain **14**, remove the parts to be replaced.



- Position the saw chain such that it forms a loop on the back of the guide bar.
 - When mounting, ensure that the teeth of the saw at the top of the blade are pointing forward towards the tip the saw blade.
 - Match the position of the individual teeth of the saw chain with the figure on the top of the saw blade.
 - Make sure that the rear end of the saw chain has adequate play.
- Then hold the saw chain firmly on the guide bar and place the free end of the chain around the chain sprocket **B**.
- Ensure that the hole of the bar aligns properly with the pin for adjusting the tension of the chain.
- Mount the chain guard cover back.
- Fix the screw cap by turning it clockwise.
- Lock the screw cap **7** by closing the spring lever **A**.
- Adjust the chain tension (see chapter "Adjusting chain tension").



- Get the saw chain **14** resharpened professionally at an authorised workshop.
- The carbon brushes should only be replaced by a specialist workshop or by qualified skilled personnel.
- Only use spare parts / accessories from the manufacturer or authorised and qualified workshops.

Adjusting the chain tension

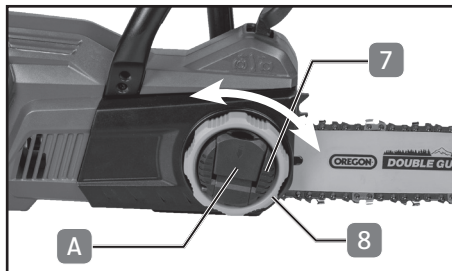


WARNING!

Wear appropriate safety gloves.

Allow the chain to cool down.

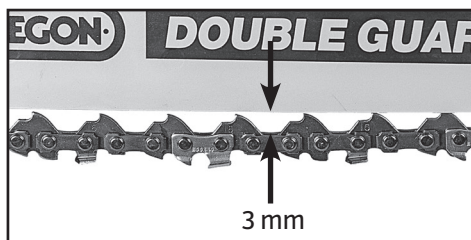
- Open the screw cap **7** by opening the spring lever **A**.
- Loosen the screw cap slightly (but do not remove the cover completely).
- Turn the adjusting wheel **8** clockwise to increase the chain tension.



- Turn the adjusting wheel counter clockwise to reduce the chain tension.
- Then tighten the screw cap.
- Lock the screw cap by closing the spring lever.

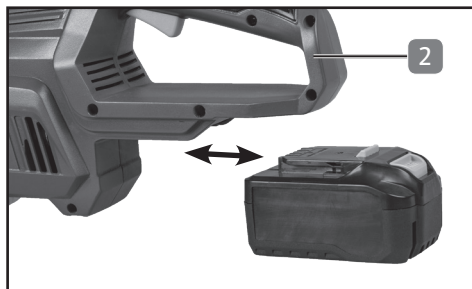


The ideal chain tension is when the saw chain can be raised between 3-5 mm from the middle of the blade.









Inserting / replacing the battery

- Insert the battery (not included in the delivery) into the guide bar below the rear hand grip **2**, until it clicks into place.
- To remove the battery, press the battery latch and slide the battery out of the handle.



The chainsaw must only be used together with the following types of battery pack:

Battery model	Rated voltage	Rated capacity
AEB 20 – 2.0I	20 V 	2.0 Ah
AEB 20 – 2.0N	20 V 	2.0 Ah
AEB 2040 – 2.5I	20 V 	2.5 Ah (x2)
AEB 2040 – 2.5N	20 V 	2.5 Ah (x2)
XYZ561	20 V 	2.0 Ah
XYZ562	20 V 	2.5 Ah (x2)

Checking the battery status

NOTICE!

Use the battery charge status indicator to plan your work and/or to avoid deep discharge.



The battery is equipped with a charge level indicator, which displays an indication of the battery charge level.

- To check the charge level, press the battery charge level indicator button **A**.
- The charge level is represented by three LEDs working as charge level indicator **B**.



For detailed information on the battery, please refer to the original instructions of the battery manufacturer.

Charging the battery

⚠ CAUTION!

The battery is only slightly charged when it leaves the factory. The battery must be charged before the machine is used for the first time.




The battery can become warm if the machine is subject to heavy use. Always allow the battery to cool down before re-charging.

- Slide the battery onto the charger.
- Connect the charger to a suitable mains socket.
- Disconnect the charger once charging is finished.



For detailed information on the battery, please refer to the original instructions of the battery manufacturer.

Only the following charger types may be used to charge the battery pack:

Battery charger model	Rated Input	Rated Output
AEC 20 – 4.0Ia	220 – 240 V~ / 50 Hz / 96 W	21 V  / 4 A
AEC 20 – 4.0Na	220 – 240 V~ / 50 Hz / 96 W	21 V  / 4 A
XYZ563	220 – 240 V~ / 50 Hz / 96 W	21 V  / 4 A

Ambient temperature for charging: 0 - 40 °

Filling the saw chain oil

WARNING!

Remove the battery before carrying out any adjustments, maintenance or repair.

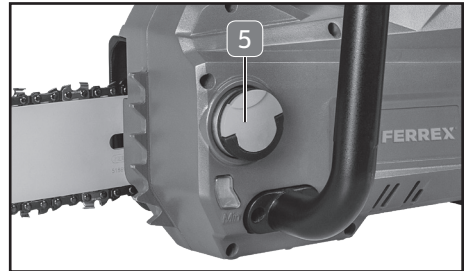
NOTE!

The chainsaw should never be operated without oil.



Check the oil level before and during use via the oil level window **6**.

- Open the screwing aid of the oil tank cap **5**.
- Open the oil tank cap by turning it counter clockwise.
- Using the oil container, fill approx. 160 ml of organic saw chain included in the scope of delivery **10**.
- Close the oil tank cap by turning it clockwise.
- Lock the screwing aid of the oil tank cap again.



Check the hand guard (chain brake release)

The chainsaw is equipped with a chain brake which is released using the hand guard. It allows you to manually block / release the saw chain.



Before using the chainsaw, the hand guard has to be locked in operating position.

Applying the chain brake

- Pull the hand guard **15** back to apply the chain brake.

Releasing the chain brake

- Push the hand guard forward to release the chain brake and lock it in operating position.



Using the chainsaw

Switching on /off



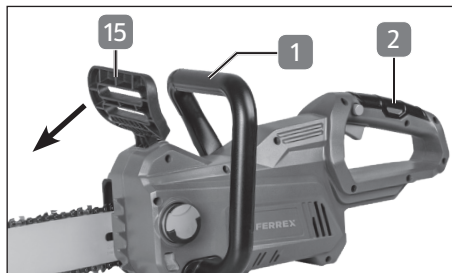
The chain brake is applied automatically if the hand guard touches an object



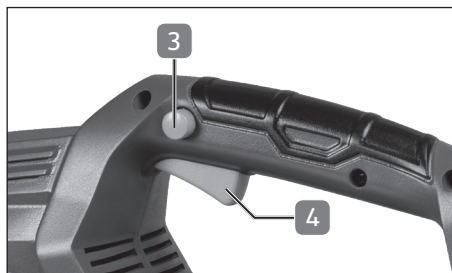
The bumper spikes **10** help to fix the motor block to the wood when sawing with the chain moving in. This makes it difficult to knock out the saw in an uncontrolled manner.

Switching on:

- Release the chain brake by pushing the hand guard forward **15**.
- Hold the chainsaw firmly using the front handle **1** with your left hand.
- Hold the chainsaw firmly using the rear handle **2** with your right hand.



- Press and hold the lock button **3**.
- Press and hold the On/Off switch **4**.
- Release the lock button while keeping the on / off switch pressed.



Switching off:

- Release the On / Off switch.
- Operate the chain brake by pulling the hand guard back **15**.

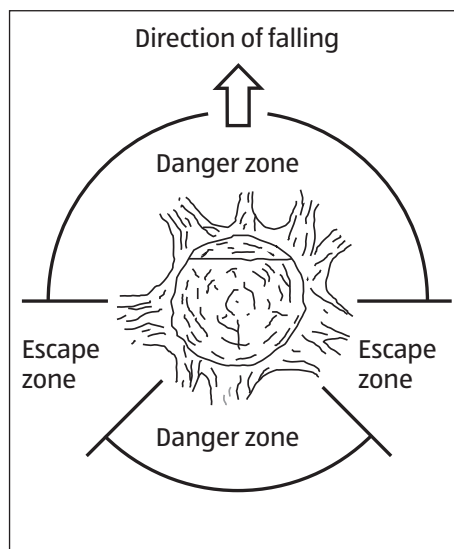
Felling a tree

If two persons are cutting and felling the tree at the same time, the distance between the person felling and the person cutting the tree should be at least twice the height of the tree being felled. In cases of trees, ensure that there is no risk to others, power supply lines are not cut and damage is not caused. If a tree comes into contact with a power supply line, then the concerned supply company has to be used immediately informed.

When sawing on slopes, the chainsaw operator should stand on the ground above the tree to be felled, because the tree will probably roll or slide downhill after being felled.

Before felling the tree, an escape route should be planned and cleared if necessary. The escape route should lead away (backwards at an angle) from the expected falling line of the tree.

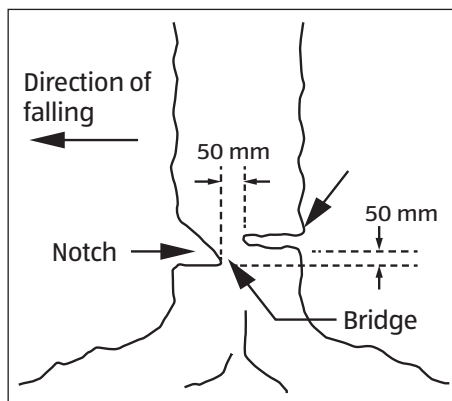
Before felling, the natural inclination of the tree, the position of large branches and the wind direction has to be taken into consideration to assess the direction in which the tree will fall. Dirt, stones, loose bark, nails, staples and wire have to be removed from the tree.

**Making notch cuts**

The felling notch determines the direction in which the tree will fall and is used to tilt the tree in the desired direction. It consists of the felling notch base and felling notch roof.

Using the chainsaw

- Make a horizontal notch cut with a depth of 1/3 the tree trunk diameter (the so-called felling notch base) on the side of the direction in which the tree will fall.
- Always make the felling notch base first, as this prevents the saw chain or the guide bar from getting stuck when making the second notch cut. **14**
- Then, make a second notch cut at an angle of 45° to the felling notch base (the so-called felling notch roof).



- Make sure that neither of the two notch cuts goes beyond the other, but they touch the felling notch base and the felling notch roof.

Making the felling cut

When making the felling cut is important to ensure that a strip of uncut wood of 1/10 the trunk diameter, but at least 5 cm thick remains between the felling notch base (bridge) and the felling cut. This forms a bridge that acts as a hinge, which keeps up the tree during felling and safely aids during falling.

- Make a horizontal cut exactly on the opposite side of the falling direction (the so-called felling cut).
 - The felling cut has to be made at least 50 mm above the felling notch base.
 - The resulting height difference is called as breaking step.

When the felling cut comes close to the bridge, the tree should begin to fall.

- If it looks like the tree may not fall in the desired direction or bends backward and the saw chain gets stuck, stop the felling cut and use wedges made of wood, plastic or aluminium to open the cut and for tilting the tree in the desired falling line.
- When the tree begins to fall, remove the chainsaw from the cut, switch it off, put it down and leave the danger zone via the planned escape route. Watch out for falling branches and do not stumble.

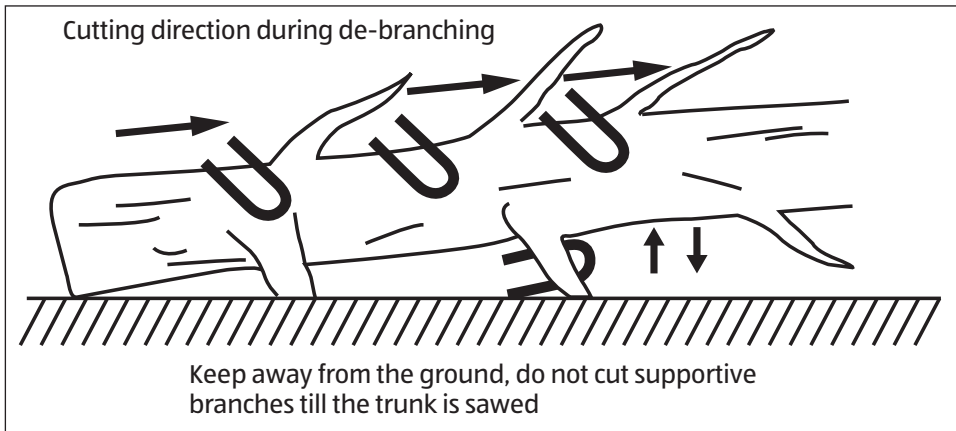
De-branching a tree

De-branching refers to cutting the branches from a felled tree.



Initially do not cut large branches that are pointing downward and are supporting the tree.

- Cut smaller branches.
- Branches, which are under tension, should be cut from the bottom to the top to prevent the saw from getting stuck.

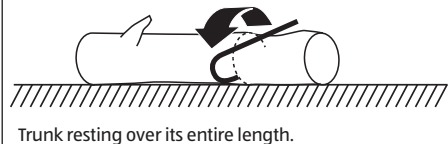


Cutting a tree trunk

This refers to cutting a felled tree into sections.

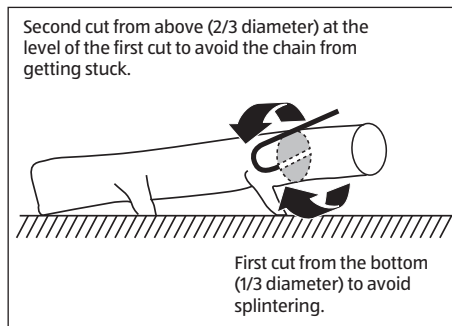
- Ensure secure footing and distribute the body weight uniformly on both feet.
- Branches, beams or wedges should be placed under the log and supported if possible.
- When the entire length of the tree trunk is resting evenly, the sawing is down from above.

Make the cut from above.
Never cut into the ground.

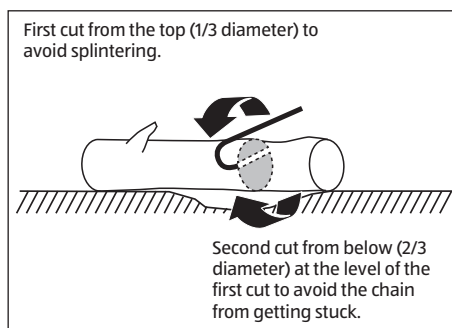


Using the chainsaw

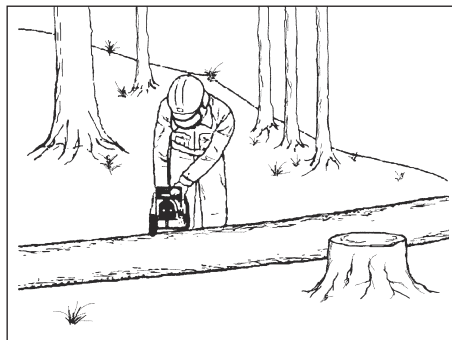
- If the tree is resting on one end, first saw 1/3 of the trunk diameter from the bottom, then 2/3 from the top at the level of the bottom cut.



- If the tree trunk is resting on both ends, first saw 1/3 of the trunk diameter from the top, then 2/3 from the bottom at the level of the top cut.



- Always stand above the tree trunk when sawing on slopes.
- To maintain full control when "cutting through", reduce the pressure towards the end of the cut without loosening the grip on the handles (1, 2) of the chainsaw.
- Make sure that the saw chain does not touch the ground.



- Wait for the saw chain to come to a stop after you finish cutting 14 before removing the chainsaw from there.
- Always switch off the motor of the chainsaw if you move from tree to tree.

Maintenance, cleaning, storage and transport

WARNING!

Disconnect the mains plug of the charger and remove the battery of the chainsaw before making any adjustment, maintenance or repair.

Maintenance

Get your chainsaw serviced by a specialist at regular intervals.

Only use spare parts / accessories from the manufacturer or authorised and qualified workshops.

Repairs should only be carried out by qualified technicians or by an authorised service centre. Qualified technicians must have relevant training and experience, be familiar with the design and construction requirements of the product and understand and follow the safety regulations.

Keep your tool inserts always sharp and well greased. Sharpen / grease them always using a suitable tool as recommended by the tool insert manufacturer.



To change the saw blade and the saw chain, follow the instructions given in the chapter Mounting/ replacing the saw blade and saw chain.

Cleaning

CAUTION!

Make sure that liquids do not get inside the chainsaw.

Get your chainsaw cleaned professionally by a specialist at regular intervals.

- Clean the chainsaw with a moist cloth. Never use strong and / or abrasive cleaning agents or solvents. Allow all the parts to dry completely. Ensure that water does not get into the chainsaw.
- Clean the chainsaw from sawdust, dust and saw chain oil after each use.
- Ensure that the ventilation slots are not blocked and clean the housing of the chainsaw regularly with a soft cloth.

Storage

- Clean the chainsaw before storage.

If you want to store the chainsaw for extended periods, you have to rinse the lubrication system of the chainsaw using chainsaw cleaner.

- Fill the empty oil tank with 100 ml of chainsaw cleaner.
- Remove the chain and the blade.
- Allow the chainsaw to run till the chainsaw cleaner completely drains out of the oil tank.
- Mount the chain and the blade.



Fill the organic chainsaw oil again during the next use.

- Keep the chainsaw and its battery in a safe, dry and well-ventilated place, out of the reach of children when it is not being used.
- The tool and its battery may only be stored at an ambient temperature between 0°C and 40°C.

Transport

- Always mount the blade guard **9** before transport.
- Ensure that the oil tank cap **5** is firmly screwed to prevent oil leakage during transport.
- Use the original packaging and secure the chainsaw against shock and vibrations during transport.
- Always carry the chainsaw using the handle provided for this purpose.

Troubleshooting

Problem	Possible cause	Corrective action
The chainsaw is not starting.	Battery empty	Charge the battery.
	Problem with battery contacts	Slide the battery into the guide on the handle of the chainsaw. The battery has to click into place audibly.
The saw chain is not running.	The chain brake is locked	Check the position of the hand guard. The chain saw runs only when the chain brake is released.
There is heavy sparking in the motor.	The motor is damaged.	Give the chainsaw to the repair shop or to a specialist workshop.
The chain is not lubricated.	No oil in the oil tank or the oil flow openings are clogged.	Clean the chainsaw as described in the chapter "Cleaning and maintenance".
		If these measures are not effective, hand over the chainsaw to the customer service or to a specialist workshop.

Technical data

Model	WWS-AKS40-SP
Rated voltage	40 V $\overline{=}$
Chain speed	7 m/s
Blade length	250 mm
Cut length	230 mm
Chainsaw model	Oregon 91P040X
Oil tank capacity	160 ml

Noise and vibrations levels

Noise emissions

Tested according to EN 60745. The noise level at the workplace may exceed 85 dB (A); safety precautions are required for the operator in this case (wear suitable hearing protection device).

Sound pressure level: L_{pA}	89.40 dB(A)
Instability: K_{pA}	2.5 dB(A)
Sound power level: L_{WA}	100.40 dB(A)
Instability: K_{WA}	2.5 dB(A)
Guaranteed sound level: L_{WA}	103 dB(A)

The declared vibration total value(s) and the declared noise emission value(s) have been measured in accordance with a standard test method and may be used for comparing one tool with another. The declared vibration total value(s) and the declared noise emission value(s) may also be used in a preliminary assessment of exposure.

Vibration

Vibration level: $A_{h,D}$	6.414 m/s ² (front handle) / 4.819 m/s ² (rear handle)
Instability: K	1.5 m/s ²



NOTE!

The declared vibration level has been measured in accordance with a standard test method (DIN EN 60745-1) and may be used for comparing one tool with another. This total may also be used in a preliminary assessment of exposure to vibration.

The vibration emission during actual use of the tool can differ from the declared vibration level depending on the ways in which the tool is used, for example:

- Is the tool well-maintained and in good condition
- How, and for what material, the tool is used
- The use of proper accessories, and whether these are in good condition
- Is the tool held tightly by the user
- Is the tool is operated properly as described in this manual
- If the tool is used improperly or excessively it can cause vibration-related illness

**CAUTION!**

Depending on the way the tool is used and the operating conditions it can be necessary to take the following safety precautions for the protection of the operator:

- Try to avoid exposure to vibration as much as possible
- Use only accessories that are in good condition
- Wear anti-vibration gloves when using the tool
- Follow the instructions on maintenance and care given in this manual
- Avoid operating the tool at temperatures below 10°C
- Plan your work in such a way so that you do not have to use vibrating tools over several days

Recycling



Dispose of the packaging material according to the type of material and according to any local regulations.



This symbol indicates that this product may not be disposed of together with domestic waste in compliance with the (2012/19/EC) directive pertaining to waste electrical and electronic devices (WEEE). This product must be handed in at an designated collection point. This can occur, for example, by returning it when a similar product is purchased or by handing it in at an authorised collecting point for the recycling of waste electrical and electronic equipment. Owing to potentially hazardous substances that are frequently contained in waste electronic equipment, incorrect handling of waste equipment may have a negative impact on the environment and on the health of human beings. By disposing of this product correctly, you are also contributing towards an efficient use of natural resources. Information on collecting points for waste equipment can be obtained from your local authority, the public waste disposal authority, an authorised institution for the disposal of waste electrical and electronic equipment or the waste collection services. Dispose of device and packaging in an environmentally friendly manner.

Declaration of conformity



DE

EU/EG KONFORMITÄTSEKLRÄRUNG

Wir (4) erklären ausdrücklich und in eigener Verantwortung, dass der Gegenstand (1) dieser Deklaration allen einschlägigen Bestimmungen der nachfolgenden Harmonisierungsrechtsvorschriften der Union (2) entspricht. Fundstellen der angewandten harmonisierten Normen (3). Technische Unterlagen erhältlich bei: (4).

EN

EU/EC DECLARATION OF CONFORMITY

We (4) expressly declare, under our sole responsibility, that the object (1) of this declaration is in conformity with all relevant provisions of the following Union harmonisation legislation (2). References to the harmonised standards used (3). The technical file is available from: (4).

FR

DÉCLARATION DE CONFORMITÉ UE/CE

Nous (4) déclarons expressément et sous notre seule responsabilité que l'objet (1) de cette déclaration est conforme à la législation d'harmonisation de l'Union suivante (2). Références des normes harmonisées pertinentes appliquées (3). Documents techniques disponibles auprès de: (4).

IT

DICHIARAZIONE DI CONFORMITÀ EU/CE

Dichiariamo (4) espressamente e sotto la nostra responsabilità che l'oggetto (1) della presente dichiarazione è conforme a tutte le disposizioni pertinenti delle seguenti leggi di armonizzazione dell'Unione (2). Riferimenti alle norme armonizzate applicate (3). Documenti tecnici disponibili presso: (4).

HU

EU/EK MEGFELELŐSÉGI NYILATKOZAT

Feloldsségünk teljes tudatában kijelentjük (4), hogy a jelen nyilatkozat tárgya (1) megfelel az alábbi uniós harmonizációs jogszabályok releváns rendelkezéseinek (2). A felhasznált harmonizált szabványok hivatkozásai (3). A műszaki dokumentáció elérhető az alábbi helyen: (4).

SI

IZJAVA EU/ES O SKLADNOSTI

Izrecno in s polno odgovornostjo izjavljamo (4), da predmet: (1) te izjave izpolnjuje vse zadevne določbe naslednjih usklajenih predpisov Unije (2). Sklicevanje na uporabljene usklajene standarde (3). Tehnična dokumentacija je na voljo pri: (4).

(1)	(2)	(3)
40 V Li-Ion Akku-Kettensäge – 93-00331-2019-05 40 V Li-Ion Cordless chainsaw – 93-00331-2019-05 Tronçonneuse sans fil batterie lithium-ions 40 V – 93-00331-2019-05 Sega a catena a batteria agli ioni di litio da 40 V – 93-00331-2019-05 Li-Ion akkumulátoros láncfűrész 40 V – 93-00331-2019-05 Litij-ionska akumulatorska veržna žaga 40 V – 93-00331-2019-05 Mod.: WWS-AKS40-SP	2006/42/EU 2014/30/EU 2011/65/EU	EN 60745-1:2009+A11:2010; EN 60745-2-13:2009+A1:2010; EN 55014-1:2006+A1:2009+A2:2011; EN 55014-2:1997+A1:2001+A2:2008; EN 50581:2012

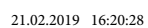
(4)

Walter Werkzeuge Salzburg GmbH
Gewerbeparkstr. 9, A-5081, Anif, Austria

2000/14/EG Anhang V: Measured sound power level: 99,41 dB (A); guaranteed sound power level: 103 dB (A). Subject approved by TÜV Rheinland BM Cert. 50428604 0001.

Ben Shields
Head of Product Management
Anif, 31.01.2019

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This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



Great care has gone into the manufacture of this product and it should therefore provide you with years of good service when used properly. In the event of product failure within its intended use over the course of the first 3 years after date of purchase, we will remedy the problem as quickly as possible once it has been brought to our attention. In the unlikely event of such an occurrence, or if you require any information about the product, please contact us via our helpline support services, details of which are to be found both in this manual and on the product itself.



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