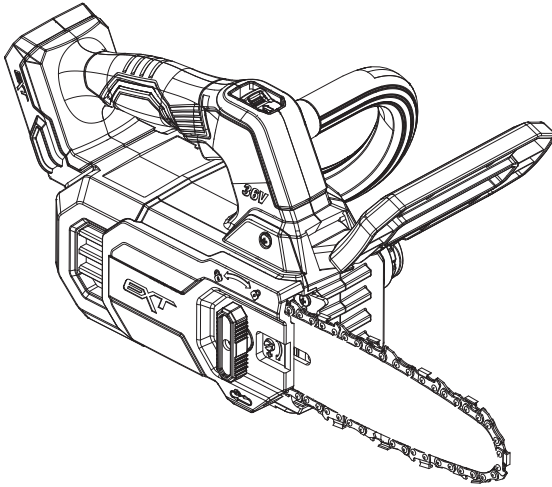




EN Cordless Chain Saw 36V  
25cm



**EN ORIGINAL INSTRUCTIONS**

**IMPORTANT** - These instructions are for your safety.  
Please read through them thoroughly prior to handling  
the product and retain them for future reference.



**V10620\_BX220IM**

**ERT1036CHN**

**5059340904733**

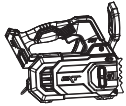
**(UK)**

**5059340904573**

**(EU)**



## EN Parts



01. x1



02. x1



03. x1



04. x1

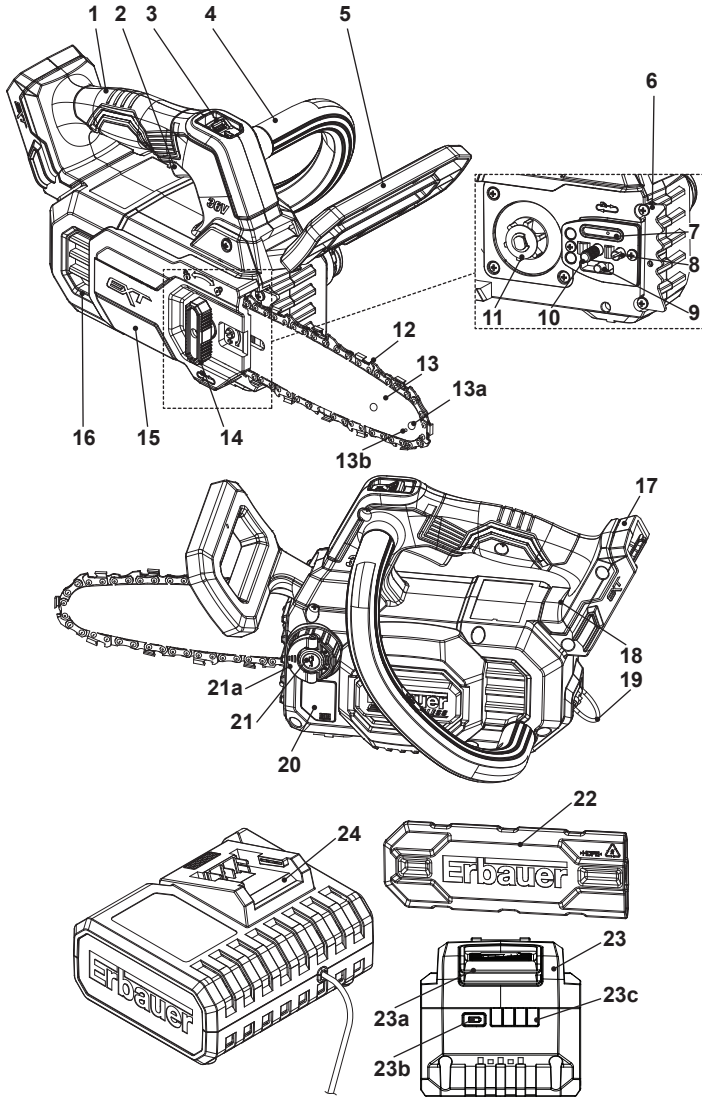
## EN You will need



## EN Contents

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# EN Product description



- |  |                         |                                 |
|--|-------------------------|---------------------------------|
| 1. Rear handle                         | 11. Drive sprocket      | 19. Hanging loop                |
| 2. On/off switch                       | 12. Saw chain           | 20. Oil level window            |
| 3. Lock-off button                     | 13. Guide bar           | 21. Oil tank cap                |
| 4. Front handle                        | a. Sprocket wheel       | a. Locking ring                 |
| 5. Front safeguard (chain brake lever) | b. Lubrication hole     | 22. Guide bar cover             |
| 6. Spiked bumper                       | 14. Locking wheel       | 23. Battery pack (not included) |
| 7. Oiling port                         | 15. Chain saw cover     | a. Release button               |
| 8. Tension screw                       | a. Spigot*              | b. Battery capacity button      |
| 9. Tension pin                         | 16. Air vents           | c. Battery capacity indicators  |
| 10. Mounting bolt                      | 17. Battery docking pin | 24. Charger (not included)      |
|  | 18. Rear safeguard      |                                 |



**NOTE:** Parts marked with \* are not shown in this overview. Please refer to the respective part in the instruction manual.



EN Safety information

## General machine safety warning



**WARNING! Read all safety warnings, instructions, illustrations and specifications provided with this machine.**

*Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.*

**Save all warnings and instructions for future reference.**

*The term “machine” in the warnings refers to your mains-operated (corded) machine or battery-operated (cordless) machine.*

### 1) Work area safety

- a) **Keep work area clean and well lit.** *Cluttered or dark areas invite accidents.*
- b) **Do not operate machines in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** *Machines create sparks which may ignite the dust or fumes.*
- c) **Keep children and bystanders away while operating a machine.** *Distractions can cause you to lose control.*

### 2) Electrical safety

- a) **Machine plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) machines.** *Unmodified plugs and matching outlets will reduce risk of electric shock.*
- b) **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** *There*



*is an increased risk of electric shock if your body is earthed or grounded.*

- c) **Do not expose machines to rain or wet conditions.** *Water entering a machine will increase the risk of electric shock.*
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the machine. Keep cord away from heat, oil, sharp edges or moving parts.** *Damaged or entangled cords increase the risk of electric shock.*
- e) **When operating a machine outdoors, use an extension cord suitable for outdoor use.** *Use of a cord suitable for outdoor use reduces the risk of electric shock.*
- f) **If operating a machine in a damp location is unavoidable, use a residual current device (RCD) protected supply.** *Use of an RCD reduces the risk of electric shock.*

### **3) Personal safety**

- a) **Stay alert, watch what you are doing and use common sense when operating a machine. Do not use a machine while you are tired or under the influence of drugs, alcohol or medication.** *A moment of inattention while operating machines 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 appropriate conditions will reduce personal injuries.*
- c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the machine.** *Carrying machines with your finger on the switch or energising machines that have the switch on invites accidents.*
- d) **Remove any adjusting key or wrench before turning the machine on.** *A wrench or a key left attached to a rotating part of the machine may result in personal injury.*
- e) **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the machine in unexpected situations.*
- f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** *Loose*



*clothes, jewellery or long hair can be caught in moving parts.*

- g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** *Use of dust collection can reduce dust-related hazards.*
- h) **Do not let familiarity gained from frequent use of machines allow you to become complacent and ignore machine safety principles.** *A careless action can cause severe injury within a fraction of a second.*
- 4) Machine use and care**
- a) **Do not force the machine. Use the correct machine for your application.** *The correct machine will do the job better and safer at the rate for which it was designed.*
- b) **Do not use the machine if the switch does not turn it on and off.** *Any machine that cannot be controlled with the switch is dangerous and must be repaired.*
- c) **Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the machine before making any adjustments, changing accessories, or storing machines.** *Such preventive safety measures reduce the risk of starting the machine accidentally.*
- d) **Store idle machines out of the reach of children and do not allow persons unfamiliar with the machine or these instructions to operate the machine.** *Machines are dangerous in the hands of untrained users.*
- e) **Maintain machines and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the machine's operation. If damaged, have the machine repaired before use.** *Many accidents are caused by poorly maintained machines.*
- 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 machine, 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 machine for operations different from those intended could result in a hazardous situation.*
- h) **Keep handles and grasping surfaces dry, clean and free from oil and grease.** *Slippery handles and grasping surfaces do not allow for safe handling and control of the machine in unexpected situations.*
- 5) Battery machine 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 machines only with specifically designated battery packs.** *Use of any other battery packs may create a risk of injury and fire.*
  - c) **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects that can make a connection from one terminal to another.** *Shorting the battery terminals together may cause burns or a fire.*
  - 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.*
  - e) **Do not use battery pack or machine that is damaged or modified.** *Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.*
  - f) **Do not expose a battery pack or machine to fire or excessive temperature.** *Exposure to fire or temperature above 130 °C may cause explosion.*
  - g) **Follow all charging instructions and do not charge the battery pack or machine outside the temperature range specified in the instructions.** *Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.*



## 6) Service

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

## Safety instructions for chain saws

### 1) General chain saw safety warnings:

- 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 chain saw by insulated gripping surfaces only, because the saw chain may contact hidden wiring.** *Saw chains contacting a "live" wire may make exposed metal parts of the chain saw "live" and could give the operator an electric shock.*
- d) **Wear eye protection. Further protective equipment for hearing, head, hands, legs and feet is recommended.** *Adequate protective equipment will reduce personal injury from flying debris or accidental contact with the saw chain.*
- e) **Do not operate a chain saw in a tree, on a ladder, from a rooftop, or any unstable support.** *Operation of a chain saw in this manner could result in serious 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 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 the bar and chain.** *Improperly tensioned or lubricated chain may either break or increase the chance for kickback.*
- k) **Cut wood only. Do not use chain saw for purposes not intended. For example: do not use chain saw for cutting metal, plastic, masonry or non-wood building materials.** *Use of the chain saw for operations different than intended could result in a hazardous situation.*
- l) **Do not attempt to fell a tree until you have an understanding of the risks and how to avoid them.** *Serious injury could occur to the operator or bystanders while felling a tree.*
- m) **Follow all instructions when clearing jammed material, storing or servicing the chain saw. Make sure the switch is off and the battery pack is removed.** *Unexpected actuation of the chain saw while clearing jammed material or servicing may result in serious personal injury.*

## **2) 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 chain saw 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 guide bars and saw chains specified by the manufacturer.** *Incorrect replacement guide bars and saw 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.*

## **Additional safety warnings for chain saw**

- a) **Keep handles dry, clean, and free from oil and grease.** *Greasy, oily handles are slippery causing loss of control.*
- b) **Pay attention to national and local regulations.** *National and local regulations may restrict the use of this product.*
- c) Only use replacement guide bars and saw chains specified by the manufacturer or equivalent replacements. Using non-approved cutting attachments can result in personal injuries and damage to property.
- d) Before using the product and after any impact or dropping, check for signs of wear or damage and repair as necessary.
- e) Never remove or modify any guard or safety component. Ensure that guards and other safety components necessary for machine operation are in position, in good working condition and properly maintained to avoid injuries.
- f) Training of all operation is necessary for first-time and inexperienced operator.
- g) Remove branches in section.





## Additional safety warnings for battery pack

- a) **Battery pack needs to be charged before use.** *Always refer to the charger's instruction and charge it properly.*
- b) **Remove the battery pack from the product when not in use.**
- c) **Don't maintain the battery pack on the charger when not in use.**
- d) **After extended periods of storage, it may be necessary to charge and discharge the battery pack several times to obtain the maximum performance.**
- e) **Longer life and better performance can be obtained if the battery is charged when the air temperature is between 18°C and 24°C.** *Do not charge the battery in air temperature below 5°C or above 40°C. This is important as it can prevent serious damage to the battery.*
- f) **Do not charge battery in a damp or wet location.** *Following this rule will reduce the risk of electric shock.*
- g) **Do not disassemble the battery and avoid mechanical damage to the battery. Risk of short circuit and fumes may be emitted.** *Ensure fresh air and seek medical assistance in the event of discomfort.*
- h) **When disposing of battery pack, keep the battery pack of different electrochemical systems separate from each other.**
- i) **Extended period run time - cool down.** If run continuously for extended period the battery temperature protection may activate – Remove battery from product, place in shaded area for approx. 30 mins before reusing or charging.

## Health surveillance

All employees should be part of an employer's health surveillance scheme to help identify any vibration related diseases at an early stage, prevent disease progression and help employees stay in work.



# VIBRATION AND NOISE REDUCTION

**To reduce the impact of noise and vibration emission, limit the time of operation, use low-vibration and low-noise operating modes as well as wear personal protective equipment.**

Take the following points into account to minimise the vibration and noise exposure risks:

- a) Only use the product as intended by its design and these instructions.
- b) Ensure that the product is in good condition and well maintained.
- c) Use correct attachments for the product and ensure they are in good condition.
- d) Keep tight grip on the handles/grip surface.
- e) Maintain this product in accordance with these instructions and keep it well lubricated (where appropriate).
- f) Plan your work schedule to spread any high vibration machine use across a longer period of time.
- g) 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.

## Emergency

**Familiarise yourself with the use of this product by means of this instruction manual. Memorise the safety directions and follow them to the letter. This will help to prevent risks and hazards.**

- a) **Always be alert when using this product, so that you can recognise and handle risks early.** *Fast intervention can prevent serious injury and damage to property.*
- b) **Switch the product off and remove the battery pack if there are malfunctions.** *Have the product checked by a qualified professional and repaired, if necessary, before you operate it again.*





# RESIDUAL RISKS

Even if you are operating this product in accordance with all the safety requirements, potential risks of injury and damage remain. The following dangers can arise in connection with the structure and design of this product:

- a) Health defects resulting from vibration emission if the product is being used over long periods of time or not adequately managed and properly maintained.
- b) Injuries and damage to property due to broken attachments or the sudden impact of hidden objects during use.
- c) Danger of injury and property damage caused by flying objects or poor machine accessories.



**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!

## Symbols

On the product, the rating label and within these instructions you will find among others the following symbols and abbreviations. Familiarise yourself with them to reduce hazards like personal injuries and damage to property.

V	Volt, (direct current voltage)	mAh	Milliampere per hour
/min or min <sup>-1</sup>	Per minute	°C	Degree Celsius
n <sub>0</sub>	No-load speed	g	Gram
kg	Kilogram	ml	Milliliter
mm	Millimetre	cm	Centimeter
dB(A)	Decibel (A-rated)	m/s <sup>2</sup>	Metres per seconds squared
	Lock / to tighten or secure.		Unlock / to loosen.



Read the instruction manual.



Note / Remark.



Caution / Warning.

yyWxx

Manufacturing date code; year of manufacturing (20yy) and week of manufacturing (Wxx)



This chain-saw is for use by trained tree service operators only. See instruction handbook.



Always wear ear protection.



Always wear eye protection.



Wear a dust mask.



Wear protective gloves.



Wear face shield.



Wear protective, slip-resistant footwear.



Wear head protection, where there is a risk of falling objects.



Wear tight-fitted protective clothes.



Use appropriate protection for foot-leg and hand-arm.



Switch the product off and remove battery pack before assembly, cleaning, adjustments, maintenance, storage and transportation.



This product is of protection class III.



Do not expose the product to rain or wet conditions (moisture).



Keep hands away from moving cutting device!



Objects thrown by the product could hit the user or other bystanders. Always ensure that other people and pets remain at a safe distance from the product when it is in operation. In general, children must not come near the area where the product is. Minimum distance is 10m.



**Kickback!** Tip contact may cause the guide bar to move suddenly upward and backwards what may cause serious injury to user.



Contact of the guide bar tip with any object should be avoided.



Always use the product with two hands. Do not use one handed when operating the product.



Chain oil fill.



Correct direction of cutting-teeth of the saw chain.



Cutting of fingers or hand.



Guaranteed sound power level value in 96 dB.



WEEE symbol. Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or local store for recycling advice.



Crossed out dust bin. Batteries and battery packs should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or local store for recycling advice.



Do not dispose of battery packs in rivers or immerse in water.



Do not dispose of battery packs in fire. They will explode and cause injury.



Do not expose battery packs to heat in excess of 40 °C.

Do not charge or store the battery pack in temperatures below 5 °C (41 °F) and above 40 °C (104°F).



The product complies with the applicable European directives and an evaluation method of conformity for these directives was done.

UK Conformity Assessed.

## Rating label explanation

ERT1036CHN = Model number

ERT = Erbauer (brand)

1036 = Sequential code

CHN = Chain Saw

## EN Technical specifications

### General

- > **Rated voltage** : 36V
- > **Rated no load speed  $n_0$**  : 10500 min<sup>-1</sup>
- > **Oil tank volume** : 120 cm<sup>3</sup> (ml)
- > **Weight (bare machine: without saw chain, guide bar, guide bar cover, oil and battery)** : approx. xx kg
- > **Weight (bare machine with guide bar and chain saw)** : approx. 2.2 kg
- > **Dimensions** : approx. 49\*20\*20.5 cm

### Saw chain and guide bar


- > **Saw chain type** : 80TXL046X Oregon
- > **Guide bar type** : 104BXNA041 Oregon
- > **Guide bar length** : 254 mm (10")
- > **Max. cutting length** : 20 cm
- > **Chain pitch** : 10.922 mm (0.43")
- > **Chain gauge** : 1.1 mm (0.043")
- > **Drive sprocket** : 7 teeth x 30 mm
- > **Max. chain speed** : 20 m/s

### Battery pack

- > **Model no.** : ERT1045BAT

- > **Type** : Li-Ion, 10 INR 21700 cells
- > **Capacity** : 6000 / 3000 mAh
- > **Voltage** : 18 / 36 V 
- > **Weight** : approx. 0.69 kg

**Charger for battery pack :**

- > **Model no.** : ERT1047CHR
- > **Rated output** : 21 V , 12 A
- > **Ambient temperature range for machine charger and battery use** : 5 - 40°C



**NOTE:** This equipment is compatible with the **Erbauer** EXT 18V/36V dual-voltage lithium-ion battery range. For optimal performance, use 1 x 4.0Ah battery for 36V tools.

**Sound values**

- > **Sound pressure level  $L_{pA}$**  : 80.8 dB(A)
- > **Uncertainty  $K_{pA}$**  : 3 dB(A)
- > **Measured sound power level  $L_{WA}$**  : 95.6 dB(A)
- > **Uncertainty  $K_{WA}$**  : 3 dB(A)
- > **Guaranteed sound power level  $L_{WA}$**   
(according to 2000/14/EC amended by 2005/88/EC) : 96 dB(A)

**Hand arm vibration values**

- > **Front handle  $a_h$**  : 3.80 m/s<sup>2</sup>
- > **Rear handle  $a_h$**  : 2.53 m/s<sup>2</sup>
- > **Uncertainty  $K$**  : 1.5 m/s<sup>2</sup>

The sound values have been determined according to noise test code given in EN 62841-1 and EN 62841-4-1 using the basic standards EN ISO 11201 and EN ISO 3744.

The sound intensity level for the operator may exceed 80 dB(A) and ear protection measures are necessary.

The declared vibration total values and the declared noise emission values have been measured in accordance with a standard test method (EN 62841-1 and EN 62841-4-1) and may be used for comparing one machine with another; they may also be used in a preliminary assessment of exposure.



**WARNING!** The vibration and noise emission during actual use of the machine can differ from the declared total value depending on the ways in which the machine is used especially what kind of workpiece is processed.

The need to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the machine is switched off and when it is running idle in addition to the trigger time).

## EN Before you start

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### Unpacking

1. Unpack all parts and lay them on a flat, stable surface.
2. Remove all packing materials and shipping devices if applicable.
3. Make sure the delivery contents are complete and free of any damage. If you find that parts are missing or show damage do not use the product but contact your dealer. Using an incomplete or damaged product represents a hazard to people and property.
4. Ensure that you have all the accessories and tools needed for assembly and operation. This also includes suitable personal protective equipment.



**WARNING!** The product and the packaging are not children's toys! Children must not play with plastic bags, sheets and small parts! There is a danger of choking and suffocation!

### You will need

#### (items not supplied)

Suitable personal protective equipment  
Suitable screwdriver  
Lubrication oil for saw chain  
Grease for sprocket wheel  
Nose lubrication  
Sharpening set (chain file)  
Battery pack and charger

#### (items supplied)

Saw chain (12)  
Guide bar (13)  
Guide bar cover (22)



**NOTE:** The accessories required depend on the intended application. Ask your dealer for advice.

## EN 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!



Wear protective gloves for this assembly work and always lay the product on a flat and stable surface while assembling.



Follow the assembly instructions step-by-step and use the pictures provided as a visual guide to easily assemble the product!

Before using the product, familiarise yourself with the operating features read the entire instruction manual paying particular attention to the safety rules and operating procedures.

Do not connect the product to battery pack (23) before it is completely assembled!

### Saw chain and guide bar

Assemble the guide bar (13) and saw chain (12) before operation.

Use only the guide bar (13) and saw chain (12) according to the technical parameter of this product.



**WARNING!** Always use a saw chain designed as “low-kickback” or a saw chain which meets the low-kickback requirements! A standard saw chain (a chain which does not have the kickback reducing guard links) should only be used by an experienced professional operator.

Nevertheless, a low-kickback saw chain does not completely eliminate kickback! A low-kickback or “safety” chain should never be regarded as complete protection against injury! Therefore always use a low-kickback saw chain in conjunction with other kickback protection devices such as the front safeguard (chain brake lever) (5) (5)!



**WARNING!** Pull the front safeguard (chain brake lever) (5) fully backward to disengage the chain brake.

1. Place the product on a suitable flat surface.
2. Pull the front safeguard (chain brake lever) (5) fully backward to disengage the chain brake (Fig. 1, step 1).
3. Unscrew the locking wheel (14) anticlockwise and then remove it together with the chain saw cover (15) (Fig. 1, steps 2, 3).
4. Spread the saw chain (12) out with the cutting edges of the chain pointing in the direction of rotation. Slide the saw chain (12) into the groove around the guide bar (13). Ensure saw chain (12) is installed in correct direction of rotation (Fig. 2).

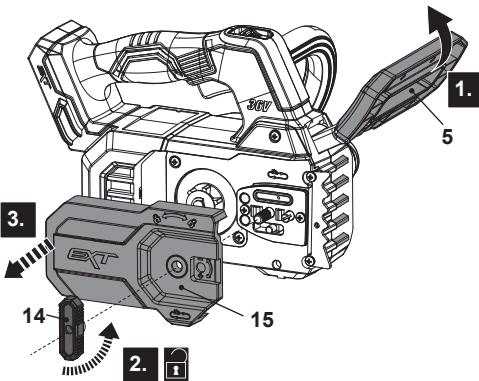


Fig. 1

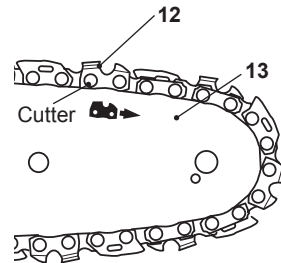


Fig. 2



**WARNING!** The direction of the saw chain ‘cutters’ must be same as indicated by the symbol and arrow on the chain saw cover (15)!

5. Align the saw chain (12) and guide bar (13) assembly with the drive sprocket (11) and the mounting bolt (10). Lay the saw chain (12) around the drive sprocket (11) and then lower the guide bar (13) to install it to the mounting bolt (10) (Fig. 3).
6. Make sure the tension pin (9) is inserted into the lower hole on the guide bar (13). Screwing the tension screw (8) anticlockwise to adjust the tension pin (9) to the end of slot with one suitable screwdriver (Fig. 3, steps 1, 2).
7. The saw chain movement is as indicated by the arrow. Make sure the saw chain (12) is properly placed over the sprocket wheel (13a) of the guide bar (13) (Fig. 4).

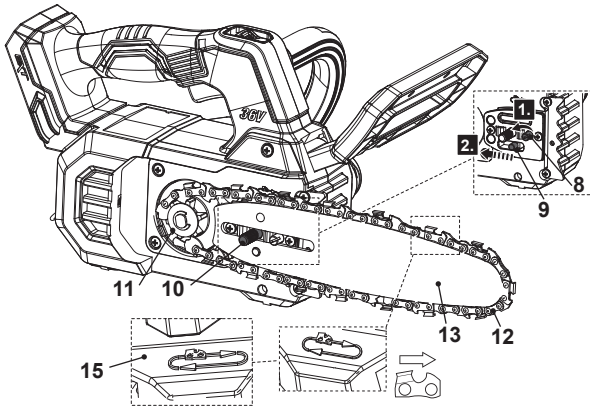


Fig. 3

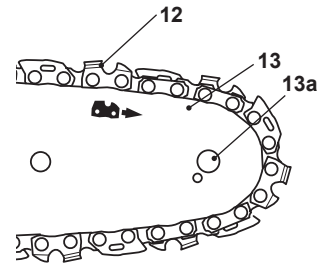


Fig. 4

8. Screw the tension screw (8) clockwise to adjust the tension pin (9) / guide bar (13) towards the right to tighten the saw chain (12) with a suitable screwdriver (Fig. 5, steps 1, 2).
9. Align and place the chain saw cover (15) over the mounting bolt (10). Refit the chain saw cover (15) and slightly tighten the locking wheel (14) clockwise (Fig. 6, steps 1, 2). Ensure that the spigot (15a) engages correctly in the slot. Do not tighten the locking wheel (14) completely as saw chain tensioning is required first.

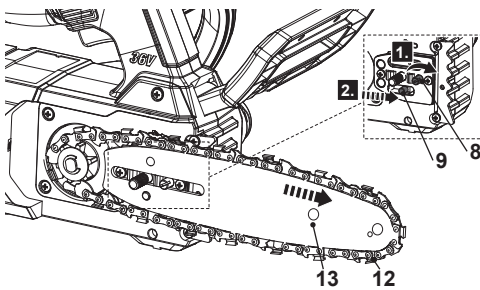


Fig. 5

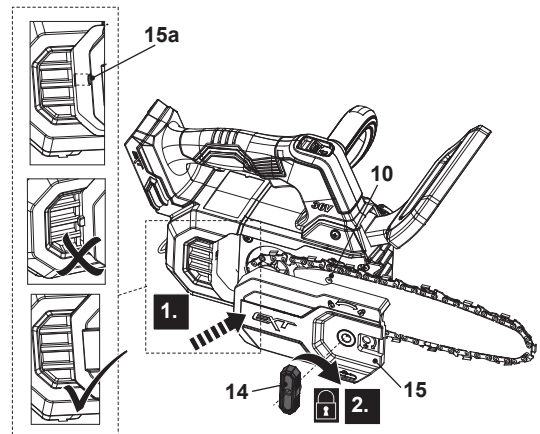


Fig. 6



**NOTE:** The saw chain (12) has not yet been tensioned. Tension the chain as described under "Saw chain tensioning". After operating the product for approx. 1 hour, adjust the chain tension again.

## Saw chain tensioning

Always check the saw chain tension before use, after the first cuts and regularly during use, approx. every five cuts. Upon initial operation, new chains can lengthen considerably. This is normal during the break-in period and the interval between future adjustments will lengthen quickly.



**WARNING!** Remove the battery pack (23) from the product before adjusting saw chain tension!



The cutting edges of the saw chain (12) are sharp! Always wear protective gloves when handling chain!



Always maintain proper chain tension! A loose chain increases the risk of kickback! A loose chain may jump out of the guide bar groove! This may injure the operator and damage the chain! A loose chain will cause rapid wear to the chain, guide bar and sprocket!

Tensioning the chain too tightly will overload the motor and cause damage, and insufficient tension can cause chain derailing, whereas a correctly tightened chain provides the best cutting characteristics and prolonged working life! The chain life mainly depends upon sufficient lubrication and correct tensioning!

1. Place the product on a suitable flat surface with the chain saw cover (15) facing forwards.
2. Check the chain tension using one hand to lift the saw chain (12) against the weight of the product. The correct chain tension is achieved when the saw chain (12) can be lifted by approximately 2 - 4 mm from the guide bar (13) in the centre (Fig. 7).
3. Adjust the tension if you find that the saw chain (12) is too loose or tight.
4. Slightly loosen the locking wheel (14) anticlockwise, then screw the tension screw (8) anticlockwise or clockwise to adjust the tension pin (9) / guide bar (13) towards the left or right until the chain 'tie straps' are just touching the bottom edge of the guide bar (13), hold it in the position (Fig. 8, steps 1, 2).

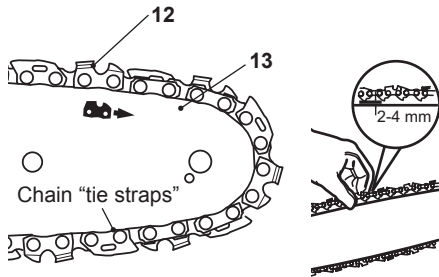


Fig. 7

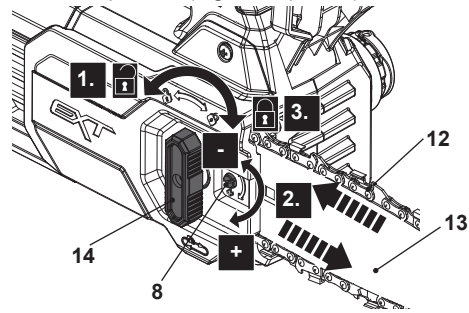


Fig. 8

5. Pull the saw chain (12) along the top of the guide bar (13) by gloved hand from one end to the other, several times. The saw chain (12) should feel tight but still move freely.
6. After the adjustment, re-tighten the locking wheel (14) (Fig. 8, step 3).

## Chain lubrication



**WARNING!** The product is not filled with chain oil. It is essential to fill the product with chain oil before using it! Never operate the product without chain oil as this will result in extensive damage to the product!

Operating the saw chain dry or with too little chain oil will decrease cutting efficiency, shorten the product life span and cause rapid wear to the saw chain and guide bar from overheating!

Insufficient chain oil is evident by smoke or bar discoloration! Adequate lubrication of the saw chain during cutting operations is essential to minimise friction with the guide bar!



1. Place the product on a stable, level surface with the oil tank cap (21) facing upward. We recommend laying a non-flammable sheet under the product.
2. Lift the locking ring (21a) and hold it, then unscrew it anticlockwise and remove the oil tank cap (21) (Fig. 9, steps 1, 2).
3. Fill suitable lubricant into the tank using an oil funnel fitted with a filter to avoid debris entering the tank. We recommend using environmentally friendly chain oil specially intended to be used with this product.
4. Don't fill the oil lower than the "MIN" mark on the oil level window (20), but also do not overfill or and leave approximately 5 mm of space between the top of the oil and the inside edge of the tank to allow for expansion (Fig. 10).

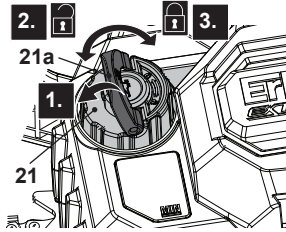


Fig. 9

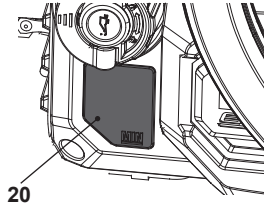


Fig. 10

5. Check the oil level window (20) prior to start-up and regularly during operation. Refill oil when the oil level is close to the bottom of the oil level window (20).
6. Wipe up spilled lubricant with a soft cloth and refit the oil tank cap (21) (Fig. 9, step 3).



**NOTE:** Always dispose of lubricant, used oil and objects contaminated with them in accordance with local regulations.

## Checking



**NOTE:** Perform the following test before operating your product.

This product is equipped with an automatic oiling system. The oiling system automatically delivers the proper amount of oil to the bar and chain.

Checking the lubrication requires starting the product. Before checking, the product must be fully assembled and all instructions must have been read.

1. Make sure the guide bar (13) and the saw chain (12) are in place when you check the oil delivery.
2. Start the product; keep it running at no load and check if the chain oil is delivered as shown in the figure (Figs. 11, 12).

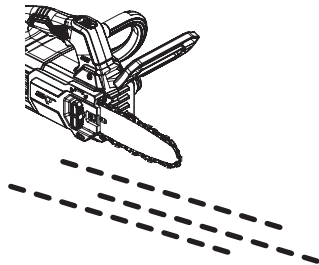


Fig. 11

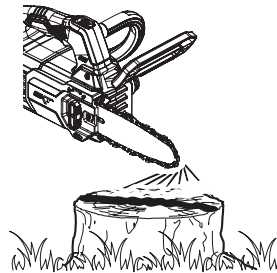


Fig. 12

## Battery pack (not included)

### Attaching / releasing the battery pack

1. Align the battery pack (23) with the sliding slots of the battery docking port (17) and slide the battery pack (23) in to attach it. Ensure it clicks in place (Fig. 13).
2. Press the release button (23a) and remove the battery pack (23) from the battery docking port (17) (Fig. 14, steps 1, 2).

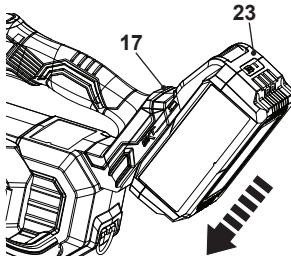


Fig. 13

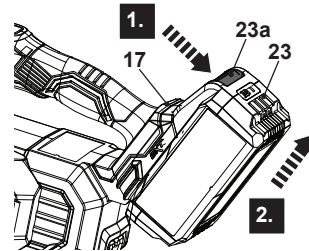


Fig. 14

### Charging the battery pack

1. The battery pack (23) has been shipped in a low charge condition. Charge it fully before first use.
2. Refer to the charger's instruction manual for the details.

### Battery capacity indicators

The battery pack (23) is equipped with battery capacity indicators (23c) which are used to give an indication of the battery pack's remaining capacity. Press the battery capacity button (23b) to check battery capacity (Fig. 15). The LEDs will stay lit for approximately 5 seconds.

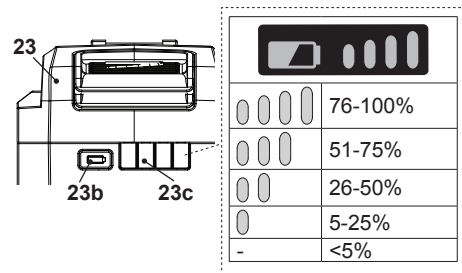


Fig. 15

## EN Functions & Settings

### Intended use

This cordless chain saw ERT1036CHN is designated with a rated voltage of 36 V . It is designed only to be used with the battery pack which is listed in the chapter of "Technical specifications".

The product is intended for cutting logs and limbs with a thickness of max. 20cm.

It must not be used for cutting other materials, such as plastic, stone, metal, wood that contains foreign objects, or materials that are harmful to health. This product should not be used outside of domestic premises e.g. for cutting firewood in forested areas.

The product may only be used with the guide bar/saw chain combination stated within these instructions. It is not permitted to use other types or sizes.

Vertical and horizontal cuts can be performed with this product. Longitudinal sections can only be cut by professionals.

This product should not be used outside of domestic premises e. g. for cutting firewood in forested areas.

The use of this product in case of rain or humid environment is prohibited.

For safety reasons it is essential to read the entire instruction manual before first operation and to observe all the instructions therein.

This product is intended for private domestic use only, not for any commercial trade use. It must not be used for any purposes other than those described.

However, when following the instructions within section 'Working with tree service chain-saws from rope and harness'. This must only be conducted by a trained professional.

## Chain brake

The chain brake is a safety mechanism activated by the front safeguard (chain brake lever) (5). When kickback occurs the chain stops immediately.

**Disengage the chain brake:** When the chain brake lever (5) is in the disengaged position, the product can be operated with running saw chain (Fig. 16).

**Engage the chain brake:** When the chain brake lever (5) is in the engaged position, the saw chain is stopped as soon as the chain brake is activated (Fig. 17).

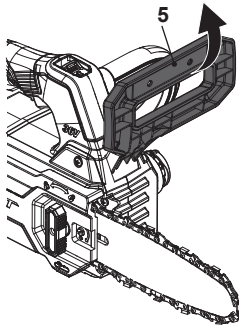


Fig. 16: Disengage the chain brake

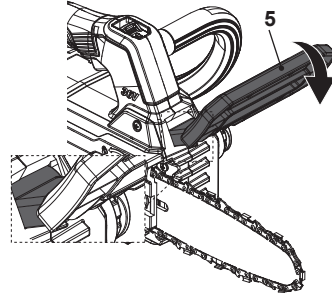


Fig. 17: Engage the chain brake

## Chain brake test



**WARNING!** Before operating this product, always check that the chain brake is in perfect working condition!

The following function check should be carried out before each use. The purpose of the chain brake testing is to reduce the possibility of injury due to kickback.

1. Make sure the chain brake is disengaged. Disengage the chain brake by pulling the front safeguard (chain brake lever) (5) back towards the front handle (4).
2. Place the product on any suitable flat surface, make sure the saw chain (12) is not touching the surface or other objects.
3. Attach the battery pack (23).
4. Hold the product with left hand on the front handle (4) and right hand on the rear handle (1) (Fig. 18).
5. Pull back the lock-off button (3), then squeeze the on/off switch (2) to switch the product on and wait until it runs at full speed.

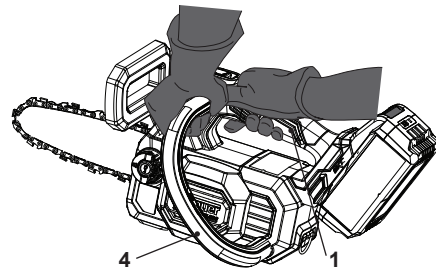


Fig. 18



**NOTE:** The product is equipped with soft start device. It takes 3 seconds to reach full speed.

6. While the motor is running, engage the chain brake by rolling your left hand forward against the front safeguard (chain brake lever) (5). The saw chain (12) should stop immediately.



**WARNING!** The motor will not start if the chain brake is in the engaged position.



**WARNING!** If the saw chain (12) and motor fail to stop when the chain brake is engaged, take the product to the nearest authorised service centre or a similarly qualified person! Do not use the product if the chain brake is not in working properly!

The chain brake should not be used for starting and stopping the product during normal operation!

## Overload protection

The overload protection may be activated in the following circumstances:

- If you work too quickly.
- Heavy cutting conditions.
- Where there is too much resistance against the saw chain.

This product features a battery protection, which cuts off the power when the product is overloaded.

1. Remove the product from the work piece to remedy the overload.
2. Remove battery pack from product, place in shaded area for approx. 30 mins and eliminate the cause before reusing or charging.
3. Pull back the lock-off button (3), then squeeze the on/off switch (2) to restart the product. If the product is not switched on, replace / recharge the battery pack and repeat the action.

## Low voltage protection

When the product fails to be switched on; or the product runs intermittently afterward, the battery pack may have been at low voltage level. Let the battery pack completely cool down and then recharge the battery pack.

## Switching on/off

1. Pull back the lock-off button (3) and hold it in position (Fig. 19, step 1).
2. Squeeze the on/off switch (2) to switch the product on (Fig. 19, step 2). Release the lock-off button (3) afterward.
3. Release the on/off switch (2) to switch the product off.

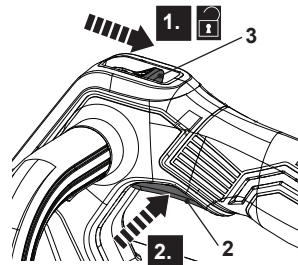


Fig. 19



**WARNING!** The product will continue to work for some time even after the motor has been switched off! Wait until it comes to a complete stop before you put the product down!

## General operation

1. Check the product, its battery pack and charger as well as accessories for damage before each use. Do not use the product if it is damaged or shows wear. Take care of any problem you find or have the product checked by qualified specialist.
2. Double check that the accessories and attachments are properly fixed.
3. Check the chain lubrication oil level regularly, refill if necessary. And replenish it in due time before the container is empty. Use only recommended lubricants.
4. The first-time user should, as a minimum, practise cutting logs on a saw- horse or cradle.
5. Always hold the product on its handles. Keep the handles dry and free from lubricant to ensure safe support.
6. 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.
7. 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.
8. Do not overwork yourself. Take regular breaks to ensure you can concentrate on the work and have full control over the product.
9. Before switching the product on, check whether it has been assembled correctly and all the moving parts are running smoothly!
10. While working, ensure that the product does not strike hard objects, as this can cause damage.
11. Recommended to use guide bar and saw chain combination(s) that maintains compliance with related standard.

## Basic operating / cutting procedure



**WARNING!** This chainsaw is for use by trained tree service operators only. Use without proper training can result in severe injuries.

Chainsaws by their very nature are extremely dangerous machines and should be handled with respect!

We strongly recommend that before use of this product, you attend a chainsaw training course to familiarise yourself with the maintenance and usage of these products!

Thoroughly read this manual and adhere to all safety instructions at all times. Manufacturer will not be held liable for any accidents / injuries caused due to misuse or incorrect maintenance of this product!

1. To become proficient attend a recognised chain saw training course to learn how to operate chain saws safely and effectively. Familiarise yourself with all the controls and switches. Practise all movements with the product switched off.
2. Always hold the product firmly with both hands; front handle (4) with the left hand and rear handle (1) with the right hand. Fully grip both handles at all times during operation. Never operate the product using only one hand.
3. Only use the product with a secure stance. Hold the product at the right-hand side of your body (Fig. 20).
4. Check the proper lubrication as described in section "Assembly-Chain lubrication" before performing any cut.
5. Ensure the saw chain (12) is running at full speed before it makes contact with the wood. Use spiked bumper (6) to secure the product onto the wood before starting to cut and use it as a leverage point while cutting (Fig. 21).
6. Reset the spiked bumper (6) at a low point when cutting thicker logs by pulling the product slightly backwards until the gripping teeth release, and reposition at lower level to continue sawing. Do not remove the product completely from the wood.
7. Do not force the saw chain while cutting, let the chain do the work, using the gripping teeth to apply minimal leverage pressure.
8. Do not operate the product with arms fully extended or attempt to saw areas which are difficult to reach, or on a ladder. Never use the product above shoulder height (Fig. 22).
9. Optimum sawing is achieved if the chain speed remains constant during cutting.
10. Be careful when reaching the end of the cut. The weight of the product may change unexpectedly as it cuts free from the wood. This can cause accidents to the legs and feet. Always remove the product from a wood cut while the product is running.
11. Check that the oil feed to the chain is operating correctly; run the chain saw at medium speed and ensure that the chain has received a consistent coating of oil.

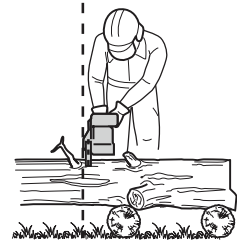


Fig. 20

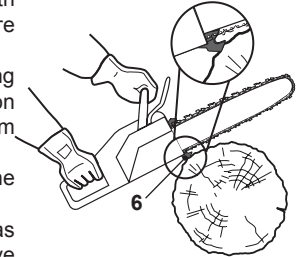


Fig. 21

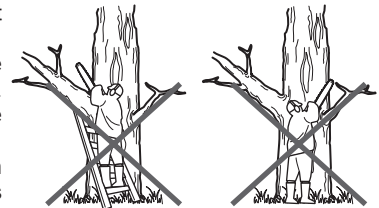


Fig. 22

## Kickback



**WARNING!** Beware of kickback! Kickback can lead to dangerous loss of control of the product and result in serious or fatal injury to the operator or anyone standing close by! Always be alert because rotational kickback and pinch kickback are major product operational dangers and the leading cause of most accidents!



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

In some cases, contact with the tip of the guide bar (13) may cause a lightning-fast reverse reaction, kicking the guide bar up and back toward the operator (Fig. 23).

1. Pinching the saw chain (12) along the bottom of the guide bar (13) may pull the product forward away from the operator (Fig. 24).
2. Pinching the saw chain (12) along the top of the guide bar (13) may push the guide bar rapidly back toward the operator (Fig. 25).
3. Any of these reactions may cause loss of control of the product, which could result in serious personal injury or even death.
4. With a basic understanding of 'kickback', the element of surprise can be reduced or eliminated. Sudden surprise contributes to the majority of accidents.
5. Keep a good firm grip on the product with both hands, the right hand on the rear handle (1) and the left hand on the front handle (4), when the motor is running. Maintain a firm grip with your thumbs and fingers encircling the product handles (1, 4). A firm grip will help you reduce 'kickback' and maintain control of the product.
6. You should carefully read all safety warnings and user instructions carefully before attempting to operate this product.

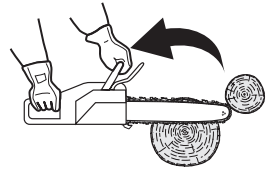
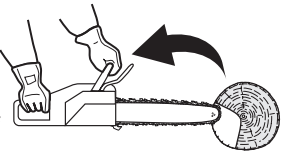
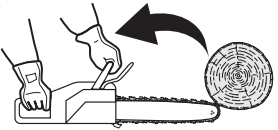


Fig. 23

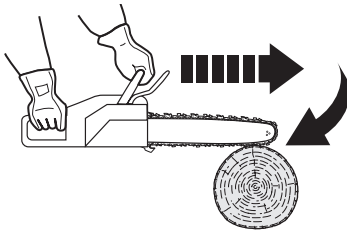


Fig. 24

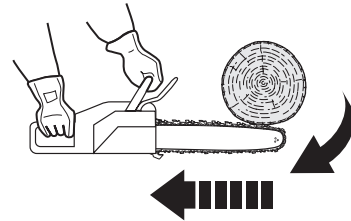


Fig. 25

**To avoid kickback:**

1. Saw with guide bar at a flat angle.
2. Never work with a loose, widely stretched or the heavily worn out chain.
3. Ensure chain is sharpened correctly.
4. Never saw above shoulder height.
5. Never work with the tip of the guide bar.
6. Always hold the product firmly with both hands.
7. Always use a low kickback chain.
8. Apply the metal gripping teeth for leverage the work piece.
9. Ensure correct chain tension.
10. Do only cut with the motor at high speeds.
11. Do not let the nose of the guide bar contact a log, branch, or any other obstruction which could be hit while you are operating the product.
12. Follow manufacturer's sharpening and maintenance instructions for the saw chain.
13. Only use replacement guide bars and saw chains specified by the manufacturer or equivalent replacements.



**WARNING!** Most 'kickback' accidents happen during limbing! Pay close attention to the position of the 'kickback' zone of the bar when you are 'limbing' branches that are under tension!

## Felling a tree



**WARNING!** Before commencing work or attempting to fell any tree, check with your Local Council to ensure you have permission!

Even in your own garden you may be in a conservation area, the tree you wish to fell may have a conservation order against it or the tree may be visible on the plans of your house – In all these instances and more, you may be required to obtain permission before work can begin!

1. 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.
2. 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.
3. 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 (Fig. 26).
4. 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.
5. Remove dirt, stones, loose bark, nails, staples and wire from the tree.

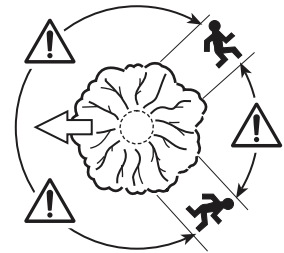


Fig. 26

## Notching undercut

Make the notch (Fig. 27, B) 1/3 the diameter of the tree, perpendicular to the direction of falls (Fig. 27). 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.

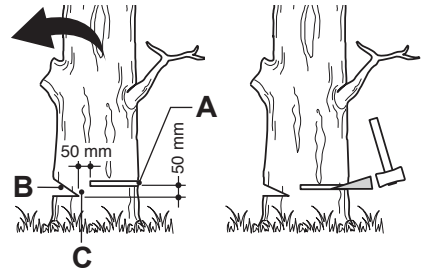


Fig. 27

## Felling back cut

1. Make the felling back cut (Fig. 27, A) at least 50 mm higher than the horizontal notching cut (Fig. 27). 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 (Fig. 27, C) 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 bind the saw chain, stop cutting before the felling back cut is complete and use wedges of wood, plastic or aluminium to open the cut and drop the tree along 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, and then use the retreat path planned. Be alert for overhead limbs falling and watch your footing.





## Limbing and pruning

Limbing is removing the branches from a fallen tree. When limbing leave larger lower limbs to support the log off the ground. Remove the small limbs in one cut (Fig. 28). Branches under tension should be cut from the bottom up to avoid binding the product.

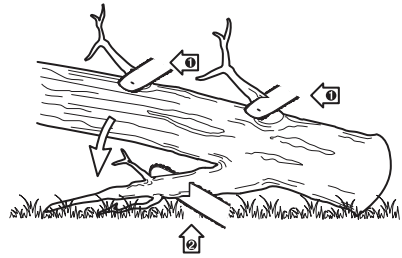


Fig. 28



**WARNING!** Never climb into a tree to limb or prune! Do not stand on ladders, platforms, logs, or in any position which may cause you to lose the balance or control of the saw! When pruning trees, it is important not to make the flush cut next to main limb or trunk until you have cut off the limb further out to reduce the weight! This prevents stripping the bark from the main member!



**WARNING!** If the limbs to be pruned are above chest height, hire a professional to perform the pruning!

## Cutting spring poles

A spring pole is any log, branch, rooted stump, or sapling which is bent under tension by other wood so that it springs back if the wood holding it is cut or removed (Fig. 29).

On a fallen tree, a rooted stump has a high potential of springing back to the upright position during the bucking cut to separate the log from the stump. Watch out for spring poles, they are dangerous.



Fig. 29

## Bucking a log

Bucking or cross-cutting is cutting a log into lengths. It is important to make sure your footing is firm and your weight is evenly distributed on both feet. When possible, the log should be raised and supported by the use of limbs, logs or chocks.



1. Follow the simple directions for easy cutting. When the log is supported along its entire length (Fig. 30), it is cut from the top (overbuck).
2. When the log is supported on one end (Fig. 31), cut 1/3 the diameter from the undersides (underbuck). Then make the finished cut by overbucking to meet the first cut.
3. When the log is supported on both ends (Fig. 32), cut 1/3 the diameter from the top (overbuck). Then make the finished cut by underbucking the lower 2/3 to meet the first cut.
4. When bucking on a slope always stand on the uphill side of the log (Fig. 33). 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. Don't let the chain contact the ground. After completing the cut, wait for the saw chain to stop before you move the product. Always stop the motor before moving from tree to tree.
5. Support small logs on a sawing stand or another log while bucking (Fig. 34).
6. 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 (Fig. 35).

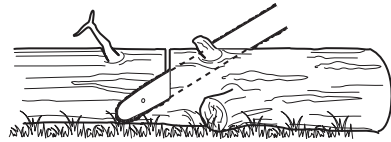


Fig. 30

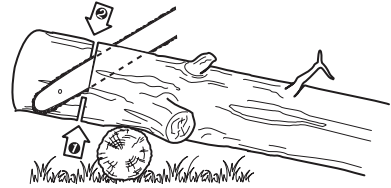


Fig. 31

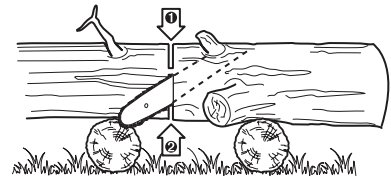


Fig. 32

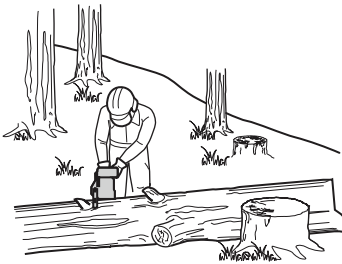


Fig. 33

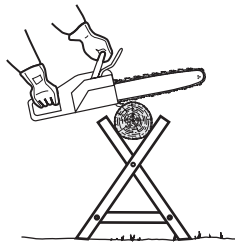


Fig. 34

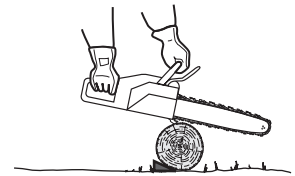


Fig. 35

## Working with tree service chain-saws from rope and harness



**WARNING!** The following operation may only be performed by professionally trained and experienced operators! The instructions present only a basic overview of rules and precautions to be observed when using the product as a train/service chain saw!

They may therefore not be used as solely training material or displacement of an official training course!

### Overview

The following instructions set out working practices aimed at reducing the risk of injury from tree service chain saws when working at height from a rope and harness. While it may form the basis of guidance and training literature, it should not be regarded as a substitute for formal training. The given instructions are only an example of best working practice. National laws and regulations should always be followed.

The following instructions include

1. general requirements that should be met before using a tree service chain saw for work at height from a rope and harness,



2. preparations for using a tree service chain saw from a rope and harness, and
3. use of a tree service chain saw for pruning and dismantling, including secure work positioning for two-handed use, starting the chain saw, cutting with the chain saw, restrictions on one-handed use and freeing a trapped saw.

These instructions do not deal with techniques to control sections of branches and stems cut by the saw.

### General recommendations

The operator of a tree service chain-saw working at height from a rope and harness should never work alone. A ground worker trained in appropriate emergency procedures should be present to assist.

The operator should be trained in general safe climbing and work positioning techniques and should be properly equipped with harness, ropes, strops, carabineers and other equipment for maintaining secure and safe working positions for both himself and the saw.

### Preparing the saw for use

The chain saw should be checked, fuelled, started and warmed up by the ground worker and then switched off before it is sent up to the operator in the tree.

The chain saw should be fitted with a suitable strop for attachment to the operator's harness (Fig. 36).

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

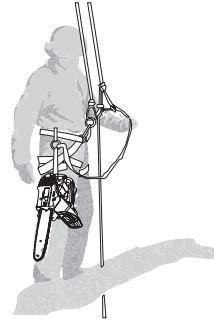


Fig. 36: Example of attachment of tree service chain-saw to operator's harness

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

The saw should only be attached to the recommended attachment points on the harness. These may be at mid-point (front or rear) or at the sides. Where possible, attach the saw to centre rear mid-point to keep it clear of climbing lines and to support its weight centrally down the operator's spine (Fig. 37).



Fig. 37: Example of attachment of tree service chain-saw to centre rear midpoint on harness

### Using the chain saw in the tree

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

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

### Securing the work position for two-handed use

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

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

Where the operator is working close into vertical stems with low lateral forces on the work position, secure footing could be all that is needed for maintaining a secure work position.

However, as operators move away from the stem, they will need to take measures to remove or counteract increasing lateral forces by, for example, redirecting the main line via a supplementary anchor point or using an adjustable strop direct from the harness to a supplementary anchor point (Fig. 38).

Gaining a secure footing at the work position can be aided by the use of a temporary foot stirrup created from an endless sling (Fig. 39).



Fig. 38: Example of redirection of main line via supplementary anchor point



Fig. 39: Example of temporary foot stirrup created from endless sling

### Starting the saw in the tree

When starting the saw in the tree, the operator should

1. apply the chain brake before starting,
2. hold the saw on either the left or right side of the body when starting:
  - > on the left side, holding the saw with the left hand on the front handle and thrusting the saw away from the body while holding the pull starter cord in the right hand, or
  - > on the right side, holding the saw with the right hand on either handle.

The chain brake should always be engaged before a running saw is lowered onto its strop.

The operator should always check that the saw has sufficient fuel before undertaking critical cuts.

### One-handed use of the chain-saw

Operators should not use tree service chain-saws one-handed when the work position is unstable or in preference to a handsaw when cutting small diameter wood at the branch tips (Fig. 40).

Tree service chain-saws should only be used one-handed where

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

Operators should never

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



Fig. 40

### Freeing a trapped saw

If the saw becomes trapped during cutting, operators should

1. switch off the saw and attach it securely to the tree inboard (i.e. towards the trunk side) of the cut or to a separate machine line,

2. pull the saw from the kerf while lifting the branch as necessary, and
3. if necessary, use a handsaw or second chain saw to release the trapped saw by cutting a minimum of 30 cm away from the trapped saw.

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

Regardless of whether a handsaw or a chain saw is used to release a jammed chain saw, the cuts to release the chain saw should always be made on the outside (towards the branch tips) in order to ensure that the chain saw does not fall along with the sawn off parts and make the situation even more complicated.

## After use

1. Switch the product off, remove the battery pack (23) and let it cool down.
2. Attach the guide bar cover (22) to the saw chain (12) if necessary.
3. Check, clean and store the machine as described below.

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## EN Care and maintenance

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### The golden rules for care



**WARNING!** Always switch the product off, remove the battery pack (23) and let the product cool down before performing inspection, maintenance and cleaning work!



Only perform care and maintenance work according to these instructions! All further works must be performed by a qualified specialist!

1. Keep the product clean. Remove debris from it after each use and before storage.
2. Regular and proper cleaning will help ensure safe use and prolong the life of the appliance.
3. Inspect the product before each use for worn and damaged parts. Do not operate it if you find broken and worn parts.



**WARNING!** Only perform repairs and maintenance work according to these instructions! All further works must be performed by a qualified specialist!

### General cleaning

1. Clean the product with a damp cloth and pH-neutral soap. Use a brush for areas that are hard to reach.
2. In particular clean the switches and air vents (16) after every use with a cloth and brush.
3. Remove stubborn dirt with high pressure air (max. 3 bar).



**NOTE:** Do not use chemical, alkaline, abrasive or other aggressive detergents or disinfectants to clean this product as they might be harmful to its surfaces.

4. Check for any damage and wear. Repair damages in accordance with this instruction manual or take it to an authorised service centre before using the product again.

### Maintenance

Before and after each use, check the product and accessories (or attachments) for wear and damage. If required, exchange them for new ones as described in this instruction manual. Observe the technical requirements.

## Sprocket wheel



**NOTE:** It is not necessary to remove the saw chain (12) to lubricate the sprocket wheel (13a). Lubrication can be done on the job.

1. Clean the sprocket wheel (13a).
2. Using a disposable lube gun, insert the needle nose into the lubrication hole (13b) (Fig. 41) and inject grease until it appears at the outside edge of the sprocket wheel (13a).
3. Rotate the saw chain (12) by hand. Repeat the lubrication procedure until the entire sprocket wheel (13a) has been greased.

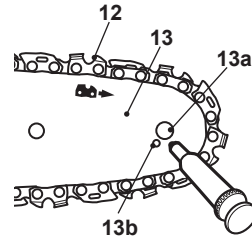


Fig. 41

## Guide bar and saw chain maintenance

### Guide bar

Most guide bar problems can be prevented merely by keeping the product well maintained. Incorrect filling and non-standard cutter and depth gauge settings are the causes of most guide bar problems, primarily resulting in uneven bar wear. As the bar wears unevenly, the rails widen, which may cause the chain to clatter and make it difficult to complete straight cuts. If the guide bar is insufficiently lubricated and the product is operated with a saw chain which is too tight, this will contribute to rapid bar wear. To help minimise bar wear, maintenance of the guide bar as well as the saw chain is recommended.

1. Disassemble the guide bar (13) and saw chain (12) in reversed order from assembly.
2. Check the oiling port (7) for clogging and clean if necessary to ensure proper lubrication of the guide bar and saw chain during operation. Use a soft wire small enough to insert into the oil discharge hole (Fig. 42).

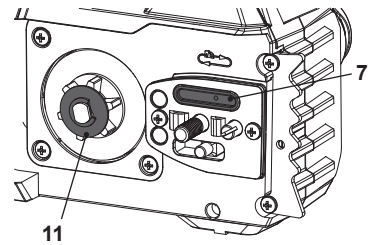


Fig. 42



**NOTE:** The condition of the oil passages can be easily checked. If the passages are clear, the chain will automatically give off a spray of oil within seconds of the product starting. Your product is equipped with an automatic oiling system.

3. Check the drive sprocket (11). If it is worn or damaged due to strain, have it replaced by an authorised service agent or a similarly qualified person.
4. Clear residue from the rails on the guide bar (13) by using a screwdriver, putty knife, wire brush or other similar tool. This will keep the oil passages open to provide proper lubrication to the guide bar (13) and saw chain (12) (Fig. 43).
5. Check the guide bar 'rail' for wear: Hold a ruler (straight edge) against the side of the guide bar and 'cutter side plates'. If there is a gap between the ruler and guide bar the guide bar 'rail' is normal. If there is no gap (ruler flush against the side of the guide bar) the guide bar 'rail' is worn and needs to be replaced with a new one of the same type (Fig. 44).

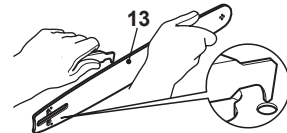


Fig. 43

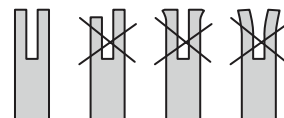


Fig. 44

6. Turn the guide bar 180° to allow even wear, thereby extending the life span of the guide bar (13).
7. Check the saw chain for possible wear and damages. Replace it with a new one if required. Experienced user can sharpen a dull saw chain (see section "Saw chain sharpening" below).
8. Refit the saw chain (12) and the guide bar (13) as described under "Assembly".

### Saw chain sharpening



**NOTE:** Never saw with a blunt chain. The saw chain is blunt if you have to push the product into the tree and the chips are very small.

1. Have the saw chain (12) sharpened professionally at an authorised service centre or sharpen the chain yourself by using a proper sharpening kit. Also observe the sharpening instructions supplied with the sharpening kit.



**WARNING!** Only sharpen the saw chain yourself if you are trained and have experience! Use proper tools to sharpen the saw chain!

2. The height difference between the tooth and the ridge is the cutting depth. When sharpening the saw chain (12) you have to consider the following points (Fig. 45).
  - File angle
  - Cutting angle
  - File position
  - Diameter of round file
  - File depth
3. To sharpen the chain proceed as follows:
  - Use protective gloves.
  - Ensure the chain is correctly tensioned.
  - Engage the chain brake to lock the chain on the bar.
4. Use a chain file, whose diameter is 1.1 times the cutting tooth depth. Make sure 20 % of the file diameter is above the cutter's top plate.

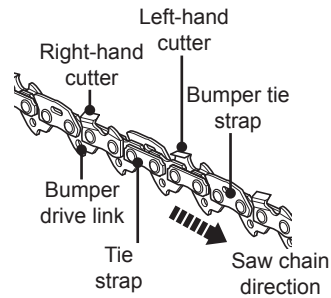


Fig. 45

5. Use a chain file, whose diameter is 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 reputable tool merchants and is the easiest way to hold the file at the correct position.

5. File at an angle perpendicular to the bar, and at an angle of 25° to the direction of travel (Fig. 46).
6. File each tooth from the inside towards outside only. File one side of the chain first than turn the saw around and repeat the process.
7. Sharpen each tooth equally by using the same number of strokes.
8. Keep all cutter lengths equal. Check the safety depth gauge height every 5 sharpenings. If the depth gauges are also trimmed it is essential that the original profile be restored.
9. Use a depth gauge measuring instrument to check the height of the depth gauge. Depth gauge measuring jigs are available from most reputable tool merchants (Fig. 47).

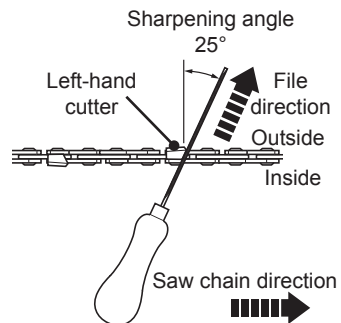


Fig. 46

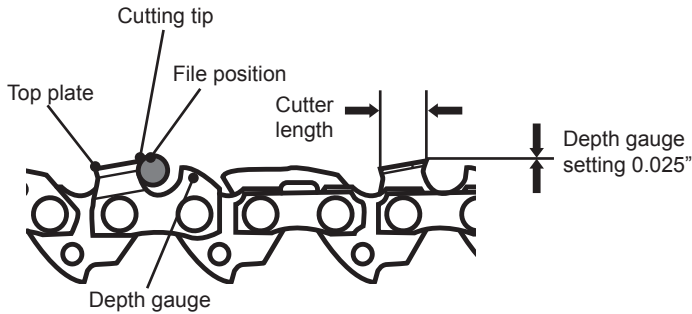


Fig. 47

### Spare parts / Replacement parts

Spare parts are available at an authorised dealer or through our customer service.

### Repair

This product does not contain any parts that can be repaired by the consumer. Contact an authorised service centre or a similarly qualified person to have it checked and repaired.

### Storage

1. Switch the machine off and remove the battery pack (23).
2. Clean the product as described above.
3. Attach the guide bar cover (22) to the saw chain (12) if necessary.
4. Store the product and its accessories in a dark, dry, frost-free, well-ventilated place.
5. Always store the product in a place that is inaccessible to children. The ideal storage temperature is between 10°C and 30°C.
6. We recommend using the original package for storage or covering the chain saw (without battery pack) with a suitable cloth or enclosure to protect it against dust.
7. Charge the battery pack (23) to 3 bars on the light indicator before storage.
8. Empty the oil tank if you are not going to use the product for an extended period of time (more than 3 months) and before storing it for the winter.

### Transportation

1. Switch the product off remove the battery pack (23).
2. Attach the guide bar cover (22) to the saw chain (12) if necessary.
3. Always carry the product by its handles (1, 4).
4. Protect the product from any heavy impact or strong vibrations which may occur during transportation in vehicles.
5. Secure the product to prevent it from slipping or falling over.

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## EN Troubleshooting

Suspected malfunctions are often due to causes that the users can fix themselves. Therefore check the product using this section. In most cases the problem can be solved quickly.



**WARNING!** Only perform the steps described within these instructions! All further inspection, maintenance and repair work must be performed by an authorised service centre or a similarly qualified specialist if you cannot solve the problem yourself!





Problem	Possible cause	Solution
1. Product does not start	1.1. Battery pack is not properly attached	1.1. Attach properly
	1.2. Battery pack is discharged	1.2. Remove and charge battery pack
	1.3. Battery pack is hot	1.3. Remove and let it cool
	1.4. Battery pack is damaged	1.4. Check by a specialist electrician
	1.5. Chain brake is activated	1.5. Disengage the chain brake
	1.6. Other electrical defect to the product	1.6. Check by a specialist electrician
2. Product does not reach full power	2.1. Battery pack capacity is too low	2.1. Charge battery pack
	2.2. Air vents are blocked	2.2. Clean the air vents
3. Unsatisfactory result	3.1. Saw chain not tensioned properly	3.1. Tension properly
	3.2. Saw chain is dull/damaged	3.2. Sharpen or replace the saw chain
	3.3. Chain oil tank is empty	3.3. Refill the chain oil
4. Product suddenly stops	4.1. Battery pack is discharged	4.1. Remove and charge battery pack
	4.2. Battery pack is too hot	4.2. Remove battery pack and let it cool down
	4.3. Saw chain is blocked	4.3. Remove blockage
5. Excessive vibration or noise	5.1. Saw chain is dull/damaged	5.1. Replace with a new one
	5.2. Bolts/nuts are loosen	5.2. Tighten bolts/nuts
	5.3. Chain oil is incorrect	5.3. Drain out unused oil and refill with correct oil

## Recycling and disposal



Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or local store for recycling advice.

**For further information visit [www.recycle-more.co.uk](http://www.recycle-more.co.uk).**

The product comes in a package that protects it against damage during shipping. Keep the package until you are sure that all parts have been delivered and the product is working properly. Recycle the package afterwards.

### Disposal of an exhausted battery pack



The battery is Li-Ion type. To preserve natural resources, please recycle or dispose of the battery pack properly. Consult your local waste authority for information regarding available recycling and / or disposal options.

Discharge your battery pack by operating your machine, then remove the battery pack from the machine and cover the battery pack connections with heavy duty adhesive tape to prevent short circuit and energy discharge.

Do not attempt to open or remove any of the components.



## EN Guarantee

At Erbauer we take special care to select high quality materials and use manufacturing techniques that allow us to create ranges of products incorporating design and durability.

We carry out stringent testing procedures on all our machines and are confident that they can provide regular, sustained daily use during the period covered.

This machine is guaranteed for 3 years from the date of purchase, if bought in store, delivered or bought online. You may only make a claim under this guarantee upon presentation of your sales receipt or purchase invoice. Please keep your proof of purchase in a safe place.

This guarantee covers product failures and malfunctions provided the Erbauer machine was used for the purpose for which it is intended and subject to installation, cleaning, care and maintenance in accordance with standard practice and with the information contained above and in the user manual. This guarantee does not cover defects and damage caused by or resulting from:

- Normal wear and tear
- Overload, misuse or neglect
- Repairs attempted by anyone other than an authorised agent
- Cosmetic damage
- Damage caused by foreign objects, substances or accidents
- Accidental damage or modification
- Failure to follow manufacturer's guidelines
- Loss of use of the goods

This guarantee is limited to parts recognised as defective. It does not, in any case, cover ancillary costs (movement, labour) and direct and indirect damage. If the Erbauer machine is defective during the guarantee period, then we reserve the right, at our discretion, to replace the item with a product of equivalent quality and functionality or to provide a refund.

This guarantee only applies to the country of purchase or delivery and is not transferrable to any other countries.

This guarantee is non-transferrable to any other person or product. Relevant local law will apply to this guarantee. Guarantee related queries should be addressed to a store affiliated with the distributor from where you purchased the Erbauer machine.

Erbauer battery and charger are guaranteed for 2 years and covered by all other terms within the above guarantee.

This guarantee is in addition to and does not affect your statutory rights relating to faulty goods as a consumer.

### **Manufacturer:**

Kingfisher International Products Limited

1 Paddington Square, London, W2 1GG, United Kingdom [www.kingfisher.com/products](http://www.kingfisher.com/products)

### **Distributor:**

B&Q plc

Chandlers Ford, Hants, SO53 3LE, United Kingdom

[www.diy.com](http://www.diy.com)

Screwfix Direct Limited

Trade House, Mead Avenue, Yeovil, BA22 8RT, United Kingdom

[www.screwfix.com](http://www.screwfix.com)

# IMPORTANT - RETAIN THIS INFORMATION FOR FUTURE REFERENCE: READ CAREFULLY

## EN Customer care and technical helpline

### A better way to repair your tools

Kingfisher takes special care in creating high-quality garden power tools that are designed to last. But if a fault develops with your garden power tool and you need to claim under the guarantee, the Customer Care and Technical Helpline can support with technical assistance or if required, arrange a free courier collection from your home, assess your garden power tool for fault, repair it, and return it.

Deciding to repair your product rather than buying a replacement and adding to the mountain of waste is a more sustainable choice and you will be doing your bit for the environment.

### How does it work?



\* **NOTE:** Before collection, all fuel must be removed from petrol powered machines.

### Get in touch

If you need help or more information, please contact the Customer Care and Technical Helpline:

UK 0330 678 3077

ROI 1 800 365 800

Opening hours are Monday – Friday, 8am-5pm

### Availability of spare parts

Contact the customer service helpline for assistance or visit [www.kingfishersparses.com](http://www.kingfishersparses.com)

For assistance contact the customer services helpline:

UK 0330 678 3077 [uk@Kingfishersservice.com](mailto:uk@Kingfishersservice.com)

ROI 1 800 365 800 [eire@kingfishersservice.com](mailto:eire@kingfishersservice.com)

Further information about this product can also be found at:

[www.kingfisher.com/products](http://www.kingfisher.com/products)





## EN Declaration of conformity

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**Manufacturer :**

**UK Manufacturer :**

Kingfisher International Products Limited,  
1 Paddington Square, London, W2 1GG,  
United Kingdom

**EU Manufacturer :**

Kingfisher International Products B.V.  
Rapenburgerstraat 175E  
1011 VM Amsterdam  
The Netherlands

**EN** [www.diy.com](http://www.diy.com)

[www.screwfix.com](http://www.screwfix.com)

[www.screwfix.ie](http://www.screwfix.ie)

**To view instruction manuals online,  
visit [www.kingfisher.com/products](http://www.kingfisher.com/products)**