



LS 1201 EPS

GB Original operating instructions
Electric Pole-Operated Pruner

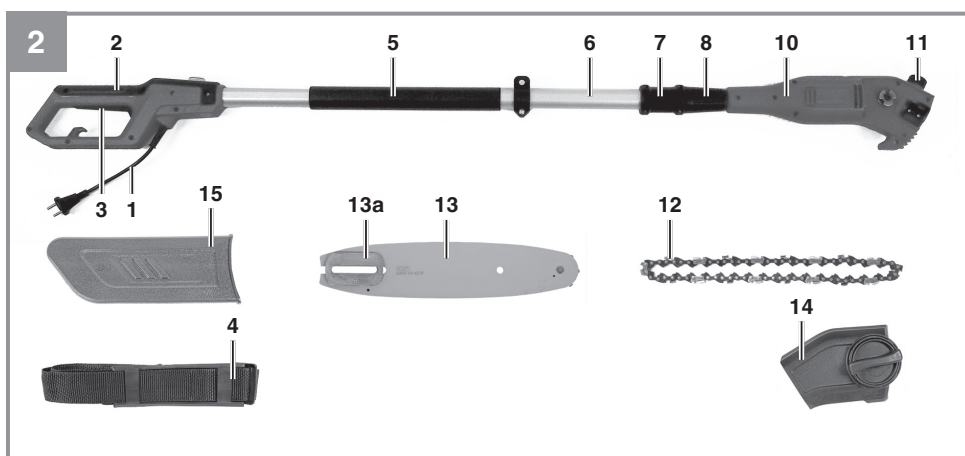
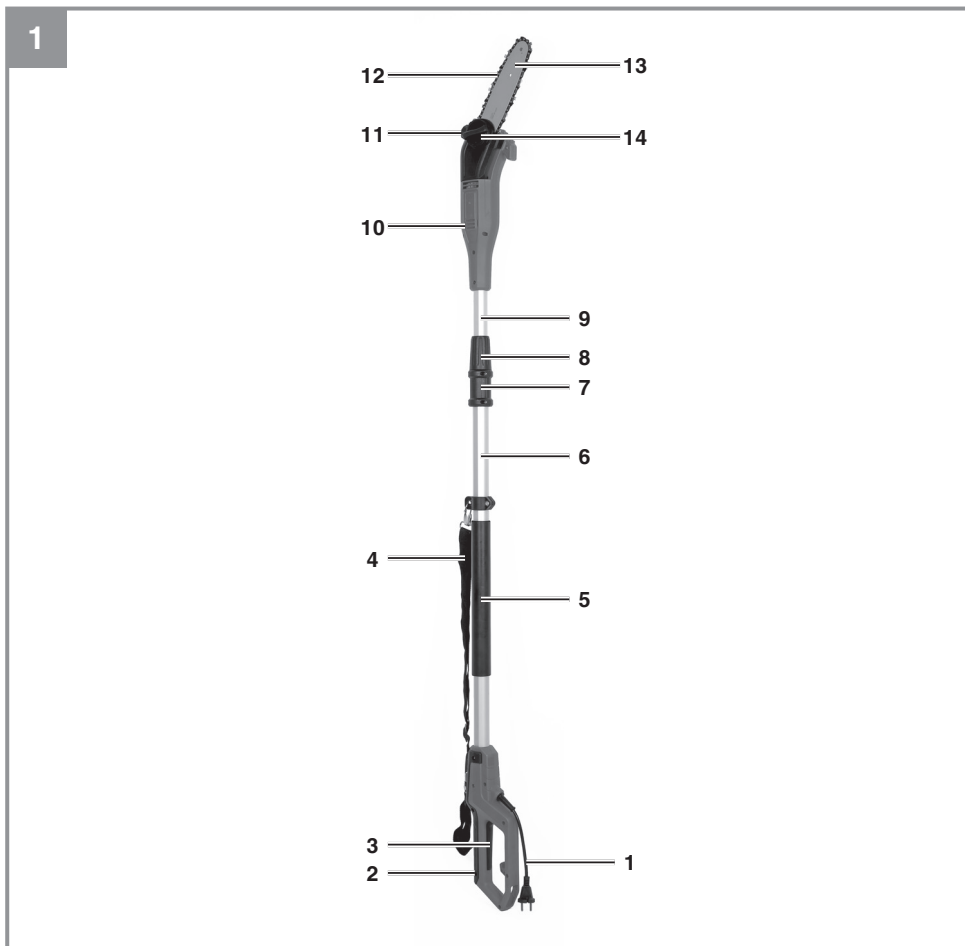
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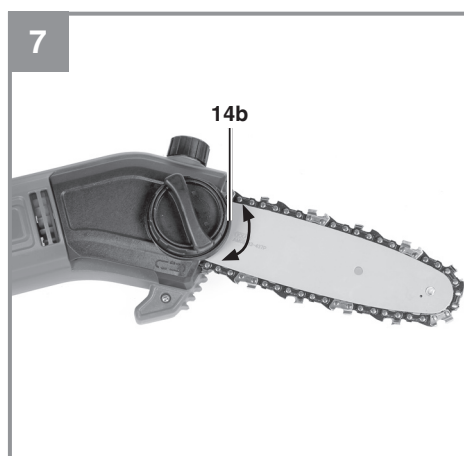
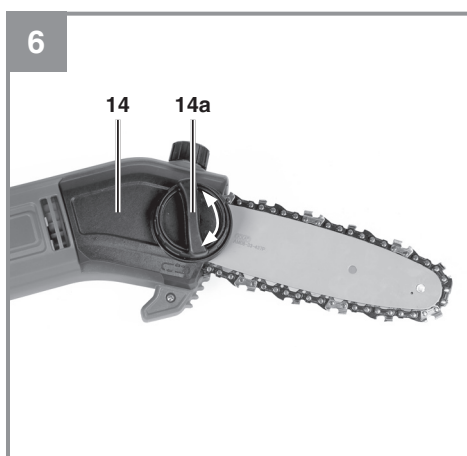
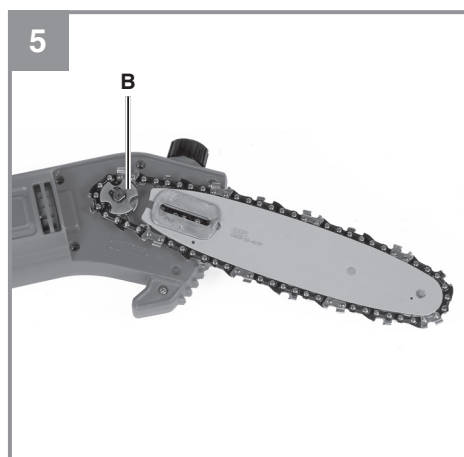
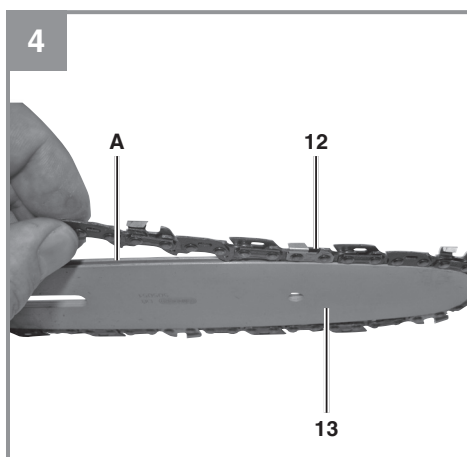
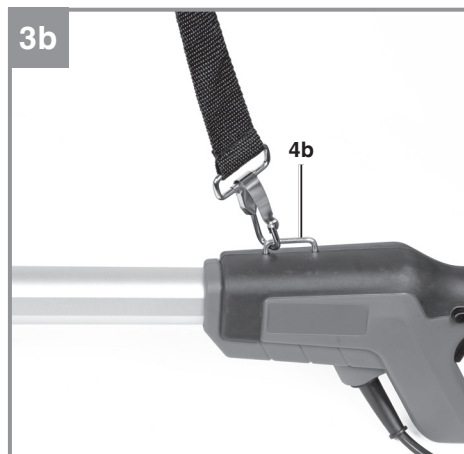
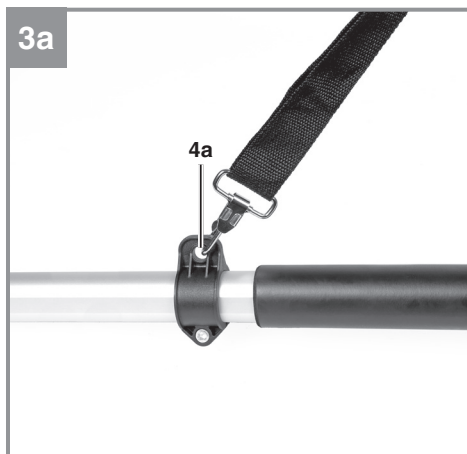


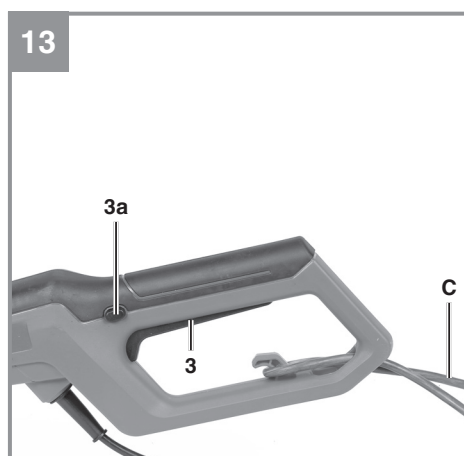
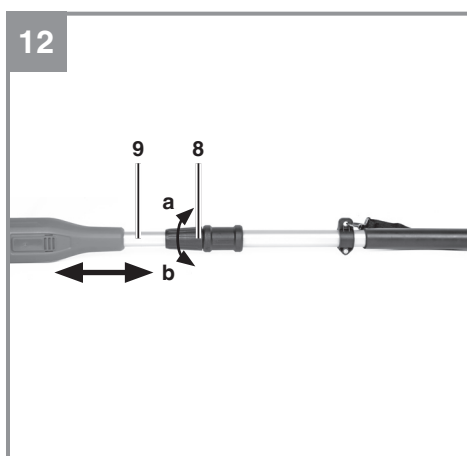
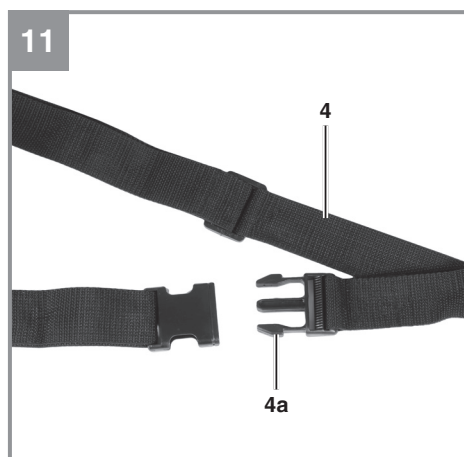
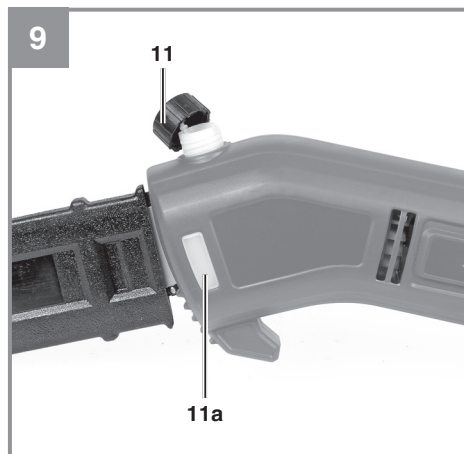
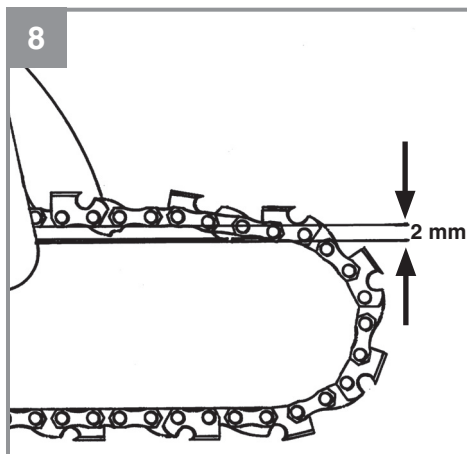
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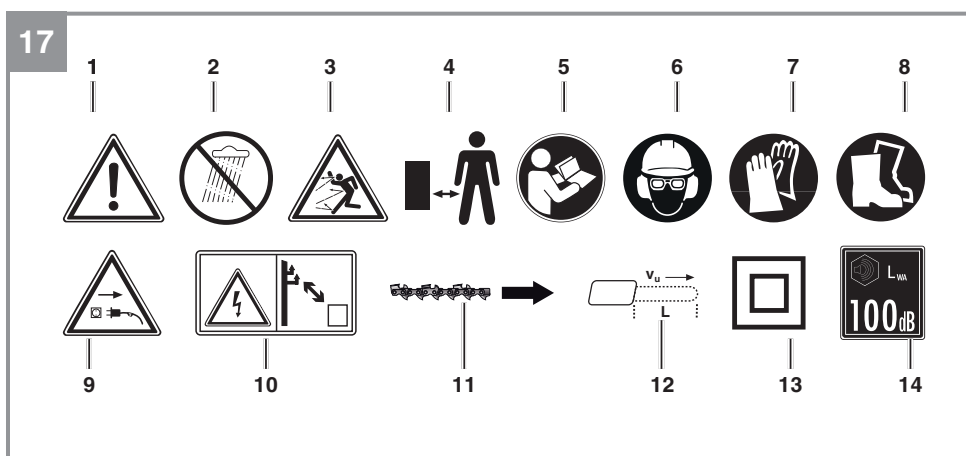
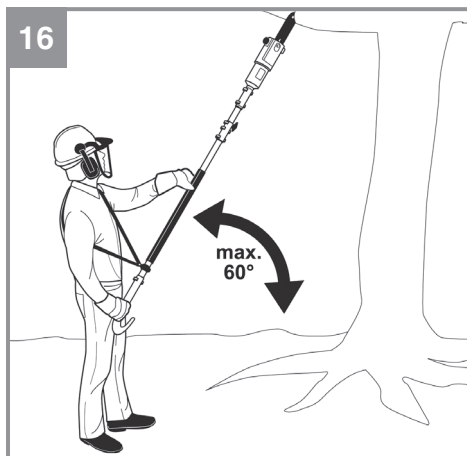
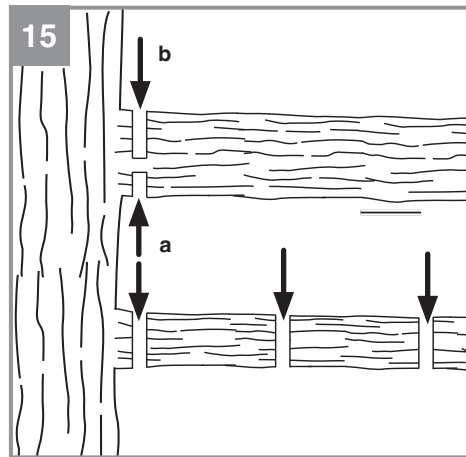
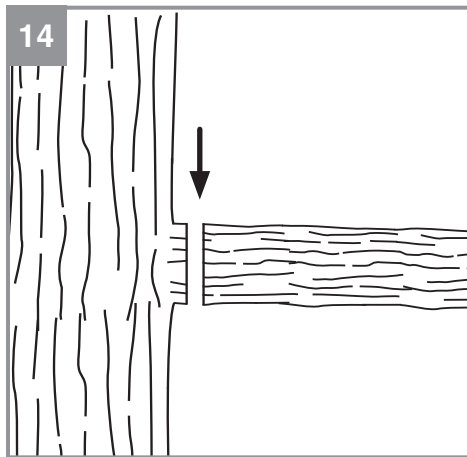
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Danger!

When using the equipment, a few safety precautions must be observed to avoid injuries and damage. Please read the complete operating instructions and safety regulations with due care. Keep this manual in a safe place, so that the information is available at all times. If you give the equipment to any other person, hand over these operating instructions and safety regulations as well. We cannot accept any liability for damage or accidents which arise due to a failure to follow these instructions and the safety instructions.

Explanation of the symbols on the machine (Fig. 17):

1. Warning!
2. Protect the equipment from rain and damp.
3. Watch out for falling and catapulting parts.
4. Keep your distance.
5. Read the directions for use before operating the equipment.
6. Wear protective headgear, goggles and ear muffs
7. Wear safety gloves.
8. Wear sturdy, non-slip footwear.
9. If the cable is damaged or cut, disconnect the power plug from the mains immediately.
10. Electric shock can cause fatal injury. When holding the pole-mounted pruner, keep it well away from overhead power cables.
11. Direction of the chain movement and teeth
12. Maximum cutting length / chain speed
13. This equipment complies with Protection Class II (double-insulated)
14. Guaranteed sound power level

1. Safety regulations**General safety information for power tools****Warning!**

Read all the safety information, instructions, illustrations and technical data provided on or with this power tool. Failure to adhere to the following instructions may result in electric shock, fire and/or serious injury.

Keep all the safety information and instructions in a safe place for future use.

The term „power tool“ used in the safety information and instructions refers to power tools operated from the mains power supply (with a power cable) and to battery operated power tools (without a

power cable).

1. Workplace safety

- a) **Keep your work area clean and well lit.** Untidy or unlit work areas can result in accidents.
- b) **Do not use this power tool in an area where there is a risk of explosion and where there are inflammable liquids, gases or dust.** Power tools generate sparks that can ignite dust or vapors.
- c) **Keep children and other people away from the power tool while you are using it.** If you are distracted you may lose control of the power tool.

2. Electrical safety

- a) **The plug on the power tool must fit into the socket. The socket must not be modified in any way. Do not use adapter plugs together with power tools with a protective earth.** Unmodified plugs and matching sockets will reduce the risk of an electric shock.
 - b) **Avoid body contact with earthed surfaces such as pipes, heating systems, stoves and refrigerators.** There is an increased risk of suffering an electric shock if your body is earthed.
 - c) **Keep the power tool out of the rain and away from moisture.** The ingress of water into an electric power tool increases the risk of an electric shock.
 - d) **Do not use the power cable for a purpose for which it is not designed, for example to carry the power tool, hang it up or to pull the plug out of the socket. Keep the power cable away from heat, oil, sharp edges and moving parts.** Power cables that are damaged or tangled increase the risk of an electric shock.
 - e) **If you use an electric power tool outdoors, use only extension cables that are suitable for outdoor use.** The use of an extension cable which is suitable for outdoor use reduces the risk of an electric shock.
 - f) **If you cannot avoid using the power tool in a damp location, use a residual current device (RCD) circuit breaker.** The use of a residual current device (RCD) circuit breaker will reduce the risk of suffering an electric shock.
3. **Safety of persons**
 - a) **Be careful, watch what you are doing and be sensible and responsible when using**

an electric power tool. Never use the power tool if you are tired or under the influence of drugs, alcohol or medication. One moment of inattention when using the electric tool can result in serious injuries.

- b) **Wear personal safety equipment and always wear safety goggles.** Wearing personal safety equipment such as dust masks, non-slip safety shoes, a helmet or ear plugs, depending on the type and application of the tool, reduces the risk of injury.
 - c) **Make sure that the tool cannot start up accidentally. Ensure that the power tool is switched off before you connect it to the power supply and/or connect the battery pack, pick it up or carry it.** If you have your finger on the switch while carrying the power tool or if you connect the power tool to the power supply while it is switched on, this may cause accidents.
 - d) **Remove all adjusting tools or wrenches before you switch on the power tool.** Any tool or wrench in a rotating part of the power tool could cause injuries.
 - e) **Avoid abnormal working postures. Make sure you stand squarely and keep your balance at all times.** This will enable you to control the power tool better in unexpected situations.
 - f) **Wear suitable clothes. Never wear loose fitting clothes or jewelry. Keep hair and clothing away from moving parts.** Loose clothing, jewelry or long hair can be caught by moving parts.
 - g) **If dust extraction devices and dust collection devices can be fitted, they must be connected and must be used correctly.** The use of a dust extractor can reduce the dangers posed by dust.
 - h) **Do not allow yourself to be lulled into a false sense of security and do not ignore the safety regulations covering electric power tools, even if you are familiar with the power tool after having used it many times.** Carelessness can lead to serious injuries in just a fraction of a second.
- 4. Using and handling the power tool**
- a) **Do not overload your power tool. Use the correct electric tool for the job in hand.** The correct tool will enable you to work better and more safely within the specific performance range.
 - b) **Do not use an electric power tool if the switch is defective.** An electric power tool that cannot be switched on or off is dangerous and must be repaired.
 - c) **Pull the plug out of the socket and/or remove the removable battery pack before making any adjustments to the tool, changing plug-in tool parts or putting the power tool down.** These precautions will prevent the power tool starting accidentally.
 - d) **Keep unused electric tools out of the reach of children. Do not allow people who are not familiar with the power tool or who have not read these instructions to use the power tool.** Electric tools are dangerous if they are used by inexperienced people.
 - e) **Look after power tools and plug-in tools with care. Check that moving parts function correctly and do not jam, and whether any parts are broken or damaged such that they adversely affect the function of the power tool. Have damaged parts repaired before you use the power tool.** Many accidents are caused by poorly maintained electric tools.
 - f) **Keep cutting tools sharp and clean.** Carefully maintained cutting tools with sharp cutting edges will jam less and are easier to control.
 - g) **Use the power tool, plug-in tools, etc. as set out in these instructions. Take account of the conditions in your work area and the job in hand.** Using electric tools for purposes other than the one for which they are designed can result in dangerous situations.
 - h) **Keep the handles and grip surfaces dry, clean and free from oil and grease.** If the handles and grip surfaces are slippery, it will not be possible to operate and control the power tool safely in unforeseen situations.
- 5. Service**
- a) **Have your power tool repaired only by trained personnel using only genuine spare parts.** This will ensure that your power tool remains safe to use.
- Special safety instructions for chainsaws**
- **Always disconnect the mains plug before performing any maintenance work, when the chainsaw is not in use and before changing any tools.**
 - **When the chainsaw is running make sure that you keep all parts of your body away**

from the chainsaw. Before starting up the chainsaw make sure that it is not touching anything. When you are working with a chainsaw, a single moment of carelessness is all it takes to catch up clothing or parts of your body in the chainsaw.

- **Do not use the chainsaw while up a tree unless you are specially trained to do this.** Otherwise you risk injuring yourself if you use the chainsaw inappropriately whilst up a tree.
- **When cutting through a branch which is under tension, take into account how it will spring back once the cut has been made.** Once the tension in the wood fibers is released the cut branch could hit the operator and/or seize control of the chainsaw.
- **Carry the chainsaw with the chain stationary and the guide rail facing backwards. Always fit the protective cover when transporting the chainsaw or putting it into storage.** Careful handling of the chainsaw reduces the likelihood of accidental contact with the saw chain while it is running.
- **Follow the instructions for lubrication, chain tension and replacement of accessories.** A chain which is not properly tensioned or lubricated can break or increase the risk of kickback.
- **Keep the handles dry, clean and free from oil and grease.** Greasy or oily handles are slippery and will result in loss of control.
- **Only use the chainsaw to cut wood. The chain must only be used to perform the work for which it is intended. For example: Never use the chainsaw to cut plastic or brickwork, or building materials which are not made of wood.** Use of the chainsaw for non-intended or non-approved work can create dangerous situations.
- **Hold the saw firmly with both hands, with fingers and thumbs hooked around the handles. Steady yourself with your body and arms in a position in which you can control the kickback forces.** Provided appropriate measures are taken, an operator should be capable of controlling the kickback forces. Never let go of the chain saw.
- **Avoid abnormal working postures.** This prevents accidental contact with the tip of the rail and offers better control over the chainsaw in unexpected situations.
- **Always use the correct replacement rails and saw chains recommended by the manufacturer.** The use of incorrect replacement rails or saw chains may result in breakage of the chain or kickback.
- **Follow the manufacturer's instructions for sharpening and maintaining the saw chain.** The risk of kickback is increased if the depth limiter is set too low.
- Take special care when cutting undergrowth and young trees. The thin material can become caught in the saw chain and whip back towards you or make you lose your balance.
- Do not cut into the ground, metal fences or similar unsuitable items and materials.
- We recommend that people who are using a chainsaw for the first time should arrange for a well-versed person to instruct them on how to work with a chainsaw and the safety equipment, for example in the form of practical exercises (cutting wood on a sawing trestle, etc.).
- Keep your working area free of obstacles and ensure that you have adequate freedom of movement. Do not work in constricted areas in which you could continuously get too close to the operating saw chain.
- Keep your working area tidy and free of off-cuts and other obstacles over which you could stumble.
- Ensure that you maintain a steady foothold. Only use the chainsaw on flat surfaces where you have a firm footing. Never work on ladders or on slippery surfaces on which you could lose your balance or otherwise lose control of the chainsaw.
- Before you start felling branches: Make sure that there is nobody within a range of at least two and a half times the length of the branch.
- Take the weather conditions into account when felling trees. Do not fell trees in strong or gusting wind. Do not fell trees in frost conditions or on frozen, icy ground. Do not fell trees in rain or if visibility is poor.
- Comply with local regulations.
- Always hold the chainsaw with your right hand on the rear handle and your left hand on the front handle. Holding the chainsaw with your hands in the wrong positions increases the risk of injury and must therefore be avoided.
- Wear safety goggles and ear protection. Other safety equipment for the head, hands, legs and feet is recommended. Correct safety equipment reduces the risk of injury caused by catapulted foreign bodies or in the event of accidental contact with the chainsaw.
- Always maintain a steady standing position

and only work with the chainsaw if you are standing on a solid, safe and flat surface. Slippery or unsafe surfaces such as ladders can cause you to lose your balance or control over the chainsaw.

- Plan an escape route from falling trees or branches in advance. Make sure that this escape route is free of obstacles which could restrict or prevent free movement. Keep in mind that freshly cut grass or bark is slippery.
- Ensure that somebody is in the vicinity (but at a safe distance) in case of an accident.
- When the chain is moving, do not let the tip of the chain bar come into contact with any objects.
- Start sawing only after the chain has reached full speed.
- Never try to target a previous cut. Always start a new cut.
- Watch out for moving branches or other forces which could interfere with a cut and impact with the chain.
- Never try to cut a branch with a larger diameter than the cutting length of the equipment.
- Contact your local government offices for information regarding minimum age requirements for operating the equipment.
- Keep the equipment at a minimum distance from overhead power cables.

Before you begin your work, make yourself well acquainted with all the control elements. Practice handling the equipment and have an expert explain its functions, mode of operation and sawing techniques.

- National regulations might restrict the use of the pole-mounted pruner.
- The machine must be examined for significant damage or defects each day before use and after being dropped or suffering other types of impact.
- Danger! Never use the machine near overhead power cables.
- Always wear non-slip foot protection and tight-fitting clothes.
- Warning! Danger for other persons. Keep other persons a safe distance from the machine while work is in progress.
- Remove the branches in sections. Warning! Be careful in dangerous working positions. There is a risk of being hit by branches while they are falling or by branches which recoil after striking the ground.
- Adopt a firm standing position so that you

keep your balance while working. Always use the harness which is supplied with the machine.

- Keep the machine, the cutter set and the cutter set guard in good working condition.
- Check for loose fastening elements and damaged parts (e.g. cracks in the blade).
- Always take timely breaks from your work. Change your working position regularly.

Warning!

Never use the equipment if you are ill, tired or under the influence of alcohol or medication.

Warning!

If the equipment is used for a lengthy period, the vibrations it causes in the hands of the user may result in circulation problems (white finger syndrome).

White finger syndrome is a vascular disease that involves seizure-like spasms of the fingers and toes. The affected areas are no longer sufficiently supplied with blood and therefore appear extremely pale. The frequent use of vibrating equipment may trigger nerve damage in people with an impaired circulation (for example smokers, diabetics).

Should you observe any unusual impairments, interrupt your work immediately and consult a doctor.

Follow these instructions in order to reduce the dangers:

- Keep your body and in particular your hands warm when working in the cold.
- Take regular breaks and move your hands to stimulate the blood circulation during the breaks.
- Ensure that the equipment makes the least possible vibration through regular maintenance and solid parts on the equipment.

Causes of and ways to avoid recoil

Recoil can occur if the tip of the chain bar touches an item or if the wood bends and jams the saw chain in the cut.

In many cases contact with the bar tip can result in an unexpected reaction aimed backwards in which the chain bar is catapulted upwards towards the operator.

Jamming the saw chain on the top of the chain bar can catapult the bar towards the operator at high speed.

Any of these reactions can result in you losing control over the saw and possibly suffering serious injuries. You should therefore not rely totally on the safety equipment fitted to the chainsaw. When using a chainsaw you should take various precautions to enable you to work without suffering accidents or injuries.

Recoil is the result of incorrect or wrong use of the electric tool. It can be prevented by suitable precautions, as described below:

- **Hold the saw firmly with both hands, with fingers and thumbs gripped around the handles. Steady yourself with your body and arms in a position in which you can control the kickback forces.** Provided appropriate measures are taken, an operator should be capable of controlling the kickback forces. Never let go of the chain saw.
- **Avoid abnormal working postures. Never cut above shoulder height.** This prevents accidental contact with the tip of the rail and offers better control over the chainsaw in unexpected situations.
- **Always use the correct replacement rails and saw chains recommended by the manufacturer.** The use of incorrect replacement rails or saw chains may result in breakage of the chain and/or kickback.
- **Follow the manufacturer's instructions for sharpening and maintaining the saw chain.** The risk of kickback is increased if the depth limiter is set too low.

More important information:

- Use an earth-leakage circuit breaker with a trip current of 30 mA or less.
- Position the power cable such that it cannot be caught by branches or the like during sawing.

Residual risks

Even if you use this electric power tool in accordance to instructions, certain residual risks cannot be eliminated. The following hazards may arise in connection with the equipment's construction and layout:

- Cut injuries if no safety clothing is used.
- Lung damage if no suitable protective dust mask is applied.
- Damage to hearing if no suitable ear protection is applied.
- Health damage caused by hand-arm vibrations if the equipment is used over a longer period or is not properly guided and main-

tained.

Warning! The electric power tool generates an electromagnetic field during operation. Under certain circumstances this field may actively or passively impede medical implants. To reduce the risk of serious or fatal injuries, we recommend persons with medical implants to consult their doctor and the manufacturer of the medical implant prior to using the equipment.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

2. Layout and items supplied

2.1 Layout (Fig. 1/2)

1. Mains power cable
2. Grip
3. On/Off switch
4. Carrying strap with safety release
5. Grip area
6. Fixed tube
7. Connecting piece
8. Telescopic tube lock
9. Telescopic tube
10. Motor housing
11. Oil tank cap
12. Saw chain
13. Cutter bar
- 13a. Adapter plate
14. Chain wheel cover
15. Cutter guard

2.2 Items supplied

Please check that the article is complete as specified in the scope of delivery. If parts are missing, please contact our service center or the sales outlet where you made your purchase at the latest within 5 working days after purchasing the product and upon presentation of a valid bill of purchase. Also, refer to the warranty table in the service information at the end of the operating instructions.

- Open the packaging and take out the equipment with care.
- Remove the packaging material and any

packaging and/or transportation braces (if available).

- Check to see if all items are supplied.
- Inspect the equipment and accessories for transport damage.
- If possible, please keep the packaging until the end of the guarantee period.

Danger!

The equipment and packaging material are not toys. Do not let children play with plastic bags, foils or small parts. There is a danger of swallowing or suffocating!

- Electric Pole-Operated Pruner
- Chain wheel cover
- Saw chain
- Cutter bar
- Cutter guard
- Shoulder strap
- Original operating instructions

3. Proper use

The electric pole pruner is designed for cutting off branches from trees. It is not suitable for extensive sawing work, cutting down trees or sawing any materials other than wood.

The equipment is to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse. The user / operator and not the manufacturer will be liable for any damage or injuries of any kind caused as a result of this.

Please note that our equipment has not been designed for use in commercial, trade or industrial applications. Our warranty will be voided if the machine is used in commercial, trade or industrial businesses or for equivalent purposes.

4. Technical data

Mains voltage:.....230-240 V ~ 50 Hz
 Power rating: 1000 W
 Cutter bar length: 200 mm
 Max. cutting length: 180 mm
 Chain pitch:..... 3/8", 9.525 mm
 Chain thickness:..... (0,043") 1.1 mm
 Sprocket wheel: 6 teeth, 3/8"

Cutting speed at rated rpm (vu):..... 11 m/s
 Oil tank capacity:..... 100 cm³
 Weight excluding accessories:3.6 kg
 Chain: Kangxin ALP-43-33S
 Cutter bar:..... Kangxin AM08-33-437P
 Protection class:..... II/□

Danger!

Sound and vibration

Sound and vibration values were measured in accordance with EN ISO 11680-1.

L_{pA} sound pressure level 81.8 dB(A)
 K_{pA} uncertainty 3 dB
 L_{WA} sound power level 97.7 dB(A)
 K_{WA} uncertainty 2.42 dB
 L_{WA} sound power level guaranteed 100 dB(A)

Wear ear-muffs.

The impact of noise can cause damage to hearing.

Total vibration values (vector sum of three directions) determined in accordance with EN ISO 11680-1.

Handle under load

Vibration emission value $a_h < 2.5 \text{ m/s}^2$
 K uncertainty = 1.5 m/s^2

The stated vibration emission levels and stated noise emission values were measured in accordance with a set of standardized criteria and can be used to compare one power tool with another.

The stated vibration emission levels and stated noise emission values can also be used to make an initial assessment of exposure.

Warning:

The vibration and noise emission levels may vary from the level specified during actual use, depending on the way in which the power tool is used, especially the type of workpiece it is used for.

Take appropriate measures to protect yourself against vibration stress. Take the entire work sequence into consideration including times at which the device is not working under load or is switched off. Appropriate measures include among other things regular care and maintenance of the device and tool attachments, keeping your

hands warm, taking regular breaks and good work sequence planning.

Keep the noise emissions and vibrations to a minimum.

- Only use appliances which are in perfect working order.
- Service and clean the appliance regularly.
- Adapt your working style to suit the appliance.
- Do not overload the appliance.
- Have the appliance serviced whenever necessary.
- Switch the appliance off when it is not in use.
- Wear protective gloves.

Caution!

Residual risks

Even if you use this electric power tool in accordance with instructions, certain residual risks cannot be ruled out. The following hazards may arise in connection with the equipment's construction and layout:

1. Cut injuries are possible if no safety clothing is used.
2. Lung damage if no suitable protective dust mask is used.
3. Damage to hearing if no suitable ear protection is used.
4. Health damage caused by hand-arm vibrations if the equipment is used over a prolonged period or is not properly guided and maintained.

5. Before starting the equipment

Before you connect the equipment to the mains supply make sure that the data on the rating plate are identical to the mains data.

Warning!

Always pull the power plug before making adjustments to the equipment.

Warning! Do not connect the electric pole pruner to the power supply until it has been fully assembled and the chain tension has been adjusted. To protect yourself against injury, always wear protective gloves when working on the electric pole pruner. Carefully unpack all parts and check that they are complete (Fig. 2).

5.1 Fitting the shoulder strap

Fig. 3a/3b: Hook the carry strap with safety release onto the shoulder strap holders (Item 4a/4b).

5.2 Fitting the cutter rail and saw chain

- Lay the saw chain as shown in the groove which runs around the cutter rail (Fig. 4/Item A).
- Insert the cutter rail (13) and the saw chain (12) in the mounting of the electric pole pruner (Fig. 5) as shown. At the same time guide the chain around the sprocket wheel (Fig. 5/Item B).
- Attach the chain wheel cover (Fig. 6/Item 14) and fasten it hand-tight with the fastening screw (Fig. 6/Item 14a).

Important! Do not fully tighten the fastening screw until after you have adjusted the chain tension (see section 5.3).

5.3 Tensioning the saw chain

Warning! Always disconnect the mains plug before performing any checks or adjustments. To protect yourself against injury, always wear protective gloves when working on the electric pole pruner.

- Slacken the fastening screw (Fig. 6/Item 14a) of the chain wheel cover by several turns (counter-clockwise).
- Set the chain tension with the chain tensioning screw (Fig. 7/Item 14b). Turning the screw clockwise increases the chain tension, turning it counter-clockwise decreases the chain tension. The chain tension is correct when the chain can be lifted by about 2 mm at the center of the cutter rail (Fig. 8).
- Tighten the fastening screw (Fig. 6/Item 14a) for the chain wheel cover (clockwise).

Important! All of the chain links must lie properly in the guide groove of the cutter rail.

Notes on tensioning the chain:

The saw chain must be properly tensioned to ensure safe operation. You can tell that the chain tension is perfect if the saw chain can be lifted by around 2 mm in the middle of the cutter rail. As the saw chain heats up during cutting and thus changes in length, check the chain tension no less than every 10 minutes and adjust it again as required. This applies in particular to new saw chains. When you have finished working slacken the chain again, as the chain will shorten when it cools down. This will prevent the chain from being damaged.

5.4 Saw chain lubrication

Warning! Always disconnect the mains plug before performing any checks or adjustments. To protect yourself against injury, always wear protective gloves when working on the electric pole pruner.

Important! Never operate the chain if it is not lubricated with saw chain oil. Use of the electric pole pruner without any saw chain oil or with the oil level below the fill-level window will result in damage to the electric pole pruner.

Notice! Be aware of the temperature conditions: different lubricants with completely different viscosities are required at different ambient temperatures. At lower temperatures you will need low viscosity oils in order to achieve a sufficient lubricating film. However, if the same low viscosity oil is used during the summer it will become even thinner due to the ambient temperatures alone, and as a result the lubricating film could break down, causing the chain to overheat and become damaged. In addition, the chain oil would burn and produce unnecessary pollutants.

Filling the oil tank (Fig. 9):

Warning! Fill in the oil outdoors and do not smoke while filling.

- Place the electric pole pruner on a flat surface.
- Clean the area around the oil tank cover (Item 11) and then open the oil tank cover.
- Fill the tank (Item 11a) with saw chain oil. In the process, make sure that no dirt enters the tank, as this could cause the oil nozzle to become blocked.
- Close the oil tank cover (Item 11).

6. Operation

Please note that the statutory regulations governing noise abatement may differ from one location to another.

6.1 Using the shoulder strap

Warning! Always use the shoulder strap when working with the equipment. Switch off the equipment before you take off the shoulder strap (Otherwise there is a risk of injury.)

1. Fig. 10: Place the carry strap (Item 4) over your shoulder and adjust the length of the

strap so that the strap holder is at waist level.

2. Fig. 11: The shoulder strap is equipped with a buckle. Press the hooks (Item 4a) together if you need to put down the equipment quickly.

6.2 Adjusting the telescoping pole (Fig. 12)

1. Open (a) the telescoping tube lock (Item 8) by turning it counter-clockwise.
2. Pull out the telescoping tube (Item 9) until it reaches the required working height.
3. Close (b) the telescoping tube lock (Item 8) again by turning it clockwise.

6.3 Connecting to the power supply

- Connect the power cable to a suitable extension cable. Make sure that the extension cable is designed for the power rating of the electric pole pruner.
- Secure the extension cable (Item C) as shown in Fig. 13 to protect it against pulling forces and accidental disconnection.
- Connect the extension cable to a professionally installed safety mains socket with ground contact. We recommend using a cable with a bright and highly visible color (red or yellow). This will reduce the risk of accidentally damaging it with the electric pole pruner.

6.4 On/Off switch

Switching on

- Fig. 1: Hold the electric pole pruner firmly with one hand on the handle (Item 2) and with the other hand on the grip area (Item 5).
- Press and hold the safety lock-off (Fig. 13 / Item 3a).
- Switch on the electric pole pruner with the On/Off switch (Fig. 13/Item 3). You can then release the safety lock-off.

Switching off

Release the On/Off switch (Fig. 13/Item 3). Always disconnect the mains plug when you stop working, even if it is only for a short time.

7. Working with the electric pole pruner

Preparations

To ensure that you can work safely, check the following points before every use and in the event of any damage:

Condition of the electric pole pruner

Before you start work, inspect the electric pole pruner for damage to the housing, to the power cable, to the saw chain and to the cutter rail. Never use equipment which is obviously damaged.

- Danger of accident!

Danger! The protective devices must not be removed or modified. - **Danger of accident!**

Never use the saw if the safety equipment is not working properly. Never try to repair safety-relevant protection systems yourself but get in touch with our service department or with a similarly qualified workshop.

Use only the accessories and spare parts approved by the manufacturer, otherwise there is a risk of accidents or damage to the equipment.

Oil container

Level of oil in the oil container: Both before and during your work, make sure that there is always sufficient oil in the system. To avoid damaging the electric pole pruner, never operate the saw if there is no oil in the system or if the oil level drops below the „min“ mark. On average, a single filling will last around 15 minutes depending on the number of pauses in cutting and the loads involved.

Saw chain

Tension of the chain, condition of the cutting edges: The sharper the saw chain, the easier and more controllable it is to operate the electric pole pruner. The same also applies to the chain tension. Also while working you should check the chain tension no less than every 10 minutes in order to increase your safety. New saw chains in particular often tend to expand more.

Do not touch the saw chain while the device is switched on. If the saw chain is blocked by an object, switch off the equipment at once – then remove the object – **Danger of injury!**

Safety clothing

Always wear appropriate tight-fitting safety clothing like special trousers which protect against cuts, protective gloves and safety shoes.

Hearing protection and protective goggles.

Wear a protective helmet with integral face and hearing protection. This will offer protection against falling branches and any branches if they spring back.

Safe working

- To ensure that you can work in safety you must use the equipment at a working angle of max. 60°.
- Never stand under the branch you want to saw.
- Use special caution when working with branches under tension and splintered wood.
- Possible risk of injury caused by falling branches and catapulting pieces of wood.
- When the equipment is in operation keep other persons and animals away from the danger zone.
- The equipment is not protected from electric shock through contact with high-voltage cables. Keep a minimum distance of 10 m from live cables. Electric shock can cause fatal injury.
- When working on slopes always stand to the upper or left or right side of the branch you wish to cut.
- Hold the equipment as close as possible to your body. This will help you to keep your balance.

Cutting techniques

- When removing branches, hold the equipment at an angle of max. 60° to the horizontal to avoid being hit by a falling branch (Fig. 16).
- Start with the bottom branches on the tree. This will make it easier for the cut branches to drop.

WARNING! Never stand underneath the branch you are sawing – always keep out of the range of falling branches! – Branches landing on the ground could bounce up again

- Danger of injury

- After completing a cut, the weight of the saw will abruptly increase for the operator as the saw is no longer supported by the branch. This can result in you losing control over the saw.
- Remove the saw from the cut only with the

saw chain still running. This will prevent the saw from getting jammed.

- Never cut with the tip of the saw.
- Never cut into the bulging branch collar. This will prevent the tree from healing.

Sawing off smaller branches (Fig. 14):

Place the contact surface of the saw onto the branch. This will prevent the saw from making jerky movements when you begin a cut. Exerting slight pressure, guide the saw from the top to the bottom through the branch.

Sawing off larger and longer branches (Fig. 15):

Carry out a relief cut when working on larger branches.

Start by sawing through 1/3 of the branch diameter **(a)** from the bottom to the top with the top side of the cutter rail. Then saw towards the first cut **(b)** from the top to the bottom with the bottom side of the cutter rail.

Saw off longer branches in several steps to keep control over the impact location.

Kickback

The term „kickback“ describes what happens when the running electric pole pruner suddenly kicks upward and backward. Usually this is caused by contact between the tip of the cutter rail and the workpiece or by the saw chain becoming trapped. In the event of kickback, large forces occur suddenly and violently. This usually results in the electric pole pruner reacting out of control.

Warning!

- Make sure that the chain tension is always correctly adjusted.
- Only use an electric pole pruner that is in perfect working order!
- Only work with a saw chain that has been properly sharpened in accordance with the instructions.
- Never cut with the upper edge or the tip of the cutter rail.
- Always hold the electric pole pruner firmly with both hands!

Cutting wood which is under tension

Danger!

Special care is required when cutting wood which is under tension. Wood which is under tension from which it is released by cutting may in some cases react completely unpredictably and uncontrollably. In the worst case this could result in

extremely severe or even fatal injuries. This type of work must only be performed by persons who have been specially trained.

8. Maintenance

There are no other parts inside the equipment which require maintenance.

To keep the tool in good working order, carry out regular maintenance in accordance with the following instructions. Use only the accessories and spare parts approved by the manufacturer. Details can be found in section 10.3 “Ordering spare parts”. Incorrect maintenance and the use of non-approved accessories or spare parts can result in very serious injuries.

8.1 Replacing the saw chain and the cutter rail

The cutter rail needs to be replaced if the guide groove of the cutter rail is worn. Unscrew the adapter plate (Fig. 2 / Item 13a) from the old cutter rail and screw it on the new cutter rail.

Proceed as described in the section “Fitting the cutter rail and saw chain”.

Use only saw chains and cutter rails approved by the manufacturer. These are listed in section 4 “Technical data” or are available as accessories (see section 10.3 “Ordering spare parts”). The use of spare parts which are not approved by the manufacturer could result in very serious injuries.

8.2 Checking the automatic chain lubrication

You should check the operation of the automatic chain lubrication system on a regular basis in order to guard against overheating and the damage this can cause to the cutter rail and the chain. Point the tip of the cutter rail at a smooth surface (a board or a cut tree face) and allow the electric pole pruner to run. If you see a growing oil stain on the smooth surface, the automatic chain lubrication system is working properly. If there is no clear trace of oil to be seen, please refer to the corresponding instructions in the section “Troubleshooting”. If the information contained there fails to help, please contact our service department or a similarly qualified workshop.

Warning! Do not actually touch the surface with the tip of the cutter rail when performing this test. Keep a safe distance (approx. 20 cm).

8.3 Sharpening the saw chain

Working effectively with the electric pole pruner is possible only if the saw chain is in good condition and sharp. This also reduces the risk of kickback. The saw chain can be re-sharpened by any dealer. Do not attempt to sharpen the saw chain yourself unless you have the necessary special tools and experience.

9. Replacing the power cable

Danger!

If the power cable for this equipment is damaged, it must be replaced by the manufacturer or its after-sales service or similarly trained personnel to avoid danger.

10. Cleaning, storage and ordering of spare parts

Carry out the cleaning and maintenance work before putting into storage.

10.1 Cleaning

- Regularly clean the tensioning mechanism by blowing it out with compressed air or cleaning it with a brush. Do not use any tools for cleaning.
- Keep the handles free of oil so that you can maintain a firm grip.
- Clean the equipment as required with a damp cloth and, if necessary, with mild washing up liquid.

Danger!

- Always disconnect the mains plug before cleaning the equipment.
- Never immerse the equipment in water or other liquids in order to clean it.

10.2 Storage and transportation

- If you are not going to use the electric pole pruner for an extended period of time, remove the chain oil from the tank. Briefly immerse the saw chain and the cutter rail into an oil bath and then wrap them in oil paper.
- Store the equipment and its accessories out of the reach of children in a dark and dry place at above freezing temperature. The ideal storage temperature is between 5 and 30°C.
- Always carry the equipment with one hand

on the handle and with the other hand on the grip area.

- Do not carry the tool by its motor housing.
- Secure the tool against slipping if you transport it in a vehicle.
- If possible, use the original packaging for transporting the tool.
- Clean the electric pole pruner and carry out its maintenance before you put it into storage.
- During storage or transportation, use the supplied safety guards for the cutter rail/saw chain.

10.3 Ordering replacement parts:

Please quote the following data when ordering replacement parts:

- Type of machine
- Article number of the machine
- Identification number of the machine
- Replacement part number of the part required

11. Disposal and recycling

The equipment is supplied in packaging to prevent it from being damaged in transit. The raw materials in this packaging can be reused or recycled. The equipment and its accessories are made of various types of material, such as metal and plastic. Never place defective equipment in your household refuse. The equipment should be taken to a suitable collection center for proper disposal. If you do not know the whereabouts of such a collection point, you should ask in your local council offices.

Subject to technical changes

12. Troubleshooting

Caution!

Before troubleshooting, switch off the tool and disconnect the mains plug.

The table below contains a list of fault symptoms and explains what you can do to remedy the problem if your tool fails to work properly. If the problem still persists after working through the list then please contact your nearest service workshop.

Cause	Fault	Remedy
The electric pole pruner does not work	<ul style="list-style-type: none"> - No power supply - Defective mains outlet - Power extension cable damaged - Defective fuse 	<ul style="list-style-type: none"> - Check the power supply. - Try an alternative source of electrical power, replace if necessary. - Check the cable and replace as required. - Replace the fuse.
The electric pole pruner operates intermittently	<ul style="list-style-type: none"> - Loose connection (external) - Loose connection (internal) - ON/OFF switch defective 	<ul style="list-style-type: none"> - Consult a specialist workshop. - Consult a specialist workshop. - Consult a specialist workshop.
Saw chain dry	<ul style="list-style-type: none"> - No oil in the tank - Oil tank cap breather blocked - Oil outlet blocked 	<ul style="list-style-type: none"> - Fill up with oil. - Clean the oil tank cap. - Clear the oil outlet.
Chain/guide rail hot	<ul style="list-style-type: none"> - No oil in the tank - Oil tank cap breather blocked - Oil outlet blocked - Blunt chain 	<ul style="list-style-type: none"> - Fill up with oil. - Clean the oil tank cap. - Clear the oil outlet - Re-sharpen or replace the chain.
The electric pole pruner judders, vibrates, or does not saw properly	<ul style="list-style-type: none"> - Chain tension too loose - Blunt chain - Worn chain - Saw teeth pointing in the wrong direction 	<ul style="list-style-type: none"> - Adjust the chain tension. - Re-sharpen or replace the chain. - Replace the chain. - Reinstall the saw chain with the teeth facing in the correct direction.

Service information

We have competent service partners in all countries named on the guarantee certificate whose contact details can also be found on the guarantee certificate. These partners will help you with all service requests such as repairs, spare and wearing part orders or the purchase of consumables.

Please note that the following parts of this product are subject to normal or natural wear and that the following parts are therefore also required for use as consumables.

Category	Example
Wear parts*	Saw chain, cutter rail
Consumables*	Chainsaw oil
Missing parts	

* Not necessarily included in the scope of delivery!

In the event of defects or faults, please register the problem on the internet at www.isc-gmbh.info. Please ensure that you provide a precise description of the problem and answer the following questions in all cases:

- Did the equipment work at all or was it defective from the beginning?
- Did you notice anything (symptom or defect) prior to the failure?
- What malfunction does the equipment have in your opinion (main symptom)?
Describe this malfunction.

LAWN STAR (PTY) LTD.**WARRANTY CARD****LS 1201 EPS**Please read carefully

This card is required for warranty repair claims. Please fill in this card and keep it in a safe place, stapled to the original proof of purchase. The original proof of purchase (i.e. receipt, invoice, docket, etc.) must show the original date of purchase and clearly identify the product.

WITHOUT THIS CARD AND ORIGINAL PROOF OF PURCHASE, ANY WARRANTY BECOMES NULL AND VOID.

Make:.....Serial No:.....Date of Purchase:.....
Model:.....

PURCHASER

NAME:
ADDRESS:
PHONE :

PURCHASED FROM

NAME :
ADDRESS:
PHONE:

LIMITED DOMESTIC USE WARRANTY

Lawn Star (Pty) Ltd. guarantees this unit to be free from defects in material and workmanship. If any such defect should become apparent during a period of

24 MONTHS

from the date of the original purchase, we undertake to repair this unit free of charge or replace this unit with a factory reconditioned unit at our discretion. This does not prejudice your rights in terms of the Consumer Protection Act.

Transport costs to our service centre and back to the owner, should such costs occur, will be carried by the owner of the unit.

The repaired or replaced unit will be covered by this warranty for the remainder of the original warranty period.

This warranty covers only the original purchaser of this unit.

This warranty becomes invalid if:

- the unit has been used for rental purposes;
- damage has been caused by misuse, abuse, accident or normal wear and tear;
- spares and accessories other than specified by Lawn Star are used with this unit;
- the unit has been opened, altered or otherwise tampered with;

The chain, bar and sprocket are wearing parts and are not covered by Warranty.

PLEASE READ AND UNDERSTAND THE INSTRUCTION MANUAL BEFORE YOU OPERATE THIS UNIT.

LAWN STAR (PTY) LTD.

For service and warranty repairs please contact your nearest Service Agent listed below:

CUSTOMER CARE : 0860-LAWNSTAR

HEAD OFFICE : 98 Bofors Circle, Epping 2 South, Cape Town
PO Box 496, Parow, 7499

Tel: 021-535-5249

Fax: 021-535-4624

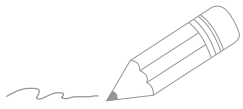
NAMIBIA : Tel: 061- 232-475

Fax: 061- 242-139

BOTSWANA : +267-318-6851

ZIMBABWE : +263-4-486 192/646

For more information visit: **www.lawnstar.co.za**



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