

ORIGINAL INSTRUCTION MANUAL



WARNING: This product must **NOT** be used before first filling the Chain Oil tank with a specialist Chain Oil (not supplied, available to purchase separately).



McGregor 1800W 40CM ELECTRIC CHAIN SAW



1 of 46

7358827(Model: MCECS18)

VI: 10/24

CAUTION Read the instructions before using the machine

These instructions contain important information that will help you get the best from your chainsaw, ensuring it is assembled correctly and safely. If you need help or have damaged or missing parts, call the Customer Helpline on **0345 605 2062**

AFTER SALES SUPPORT
0345 605 2062
SAN NO.: 03218ACA1031

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<https://bit.ly/Coreservice-McGregor>



Safety Information

Important - Please read these instructions fully before operating or maintaining

Personal safety



WARNING!

Only operate the chain saw if you are wearing the correct Personal Protective Equipment (PPE) as described in the following warnings.

Warning symbols

Some of the following symbols may be marked on the product and indicate the appropriate safety measures to be taken when operating the product.



To reduce the risk of injury, user must read instruction manual



This is a warning symbol. This symbol is used throughout the user guide whenever there is a risk of personal injury. Ensure that these warnings are read and understood at all times



Wear ear protection



Wear eye protection



Wear dust mask



Do not expose to rain



Always use chain saw two-handed



Safety Information

Important - Please read these instructions fully before operating or maintaining

Explanations and symbols, cautions and warnings



Beware of chain saw kickback and avoid contact with bar tip



Remove plug from the mains immediately if the cable is damaged or cut



Double insulation



Conforms to relevant EU regulatory requirements



Conforms to relevant UK regulatory requirements



Waste electrical products must not be disposed of with household waste. Please recycle where facilities exist. Check with your local authorities or retailer for recycling advice.



Guaranteed sound power level LwA: 107 dB(A)
It is recommended to wear ear protection for noise levels above 80dB(A).



Safety Information

Important - Please read these instructions fully before operating or maintaining

General safety



WARNING!

Children should be supervised to ensure that they do not play with the product.

Always ensure anyone intending to operate this chain saw is fully conversant with the contents of this manual prior to assembling, maintaining or operating the chain saw.

Failure to observe this warning may lead to serious injury, death, or damage to the chain saw.

Always take care when removing the packaging to prevent damage to you or to the chain saw.

General machine safety warnings



WARNING!

Read all safety warnings, instructions, illustrations and specifications provided with this power tool. 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.

Work area safety

- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- Do not operate machine in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Machines create sparks which may ignite the dust or fumes.



Safety Information

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Work area safety

- Keep children and bystanders away while operating a machine. Distractions can cause you to lose control.

Electrical safety

- 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.
- 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.
- Do not expose Machines to rain or wet conditions. Water entering a Machine will increase the risk of electric shock.
- Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- 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.
- 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.



Safety Information

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Personal safety

- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a machine while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- 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 tool. Carrying machines with your finger on the switch or energising machines that have the switch on invites accidents.
- 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.
- Do not overreach. Keep proper footing and balance at all times. This enables better control of the machine in unexpected situations.
- 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.
- 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.



Safety Information

Important - Please read these instructions fully before operating or maintaining

Personal safety

- Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles. A careless action can cause severe injury within a fraction of a second.

Machine use and care

- 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.
- 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.
- 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.
- 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.
- 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.
- Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are



Safety Information

Important - Please read these instructions fully before operating or maintaining

Machine use and care

- less likely to bind and are easier to control.
- 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.
- 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 tool in unexpected situations.

Service

- Have your machine serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.



WARNING! The equipment is intended for use only in premises having a service current capacity $\geq 100A$ per phase, supplied from a distribution network having a nominal voltage of 230V. Please determine in consultation with the supply authority, if necessary, that the service current capacity at the interface point is sufficient for the equipment.



Safety Information

Important - Please read these instructions fully before operating or maintaining

General chain saw safety warnings

- 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.
- 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.
- Hold the chain saw by insulated gripping surfaces only, because the saw chain may contact hidden wiring or its own cord. Saw chains contacting a “live” wire may make exposed metal parts of the chain saw “live” and could give the operator an electric shock.
- 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.
- 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.
- 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.
- 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.



Safety Information

Important - Please read these instructions fully before operating or maintaining

General chain saw safety warnings

- 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.
- 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.
- 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.
- 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.
- 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.
- Position the cord so that it will not be caught on branches and the like, during cutting.
- Recommendation for the use of a residual current device with a tripping current of 30 mA or less.
- Recommendation that the first-time user should, as a minimum, practise cutting logs on a saw-horse or cradle.
- Recommendation to have sharpening and maintenance of the saw chain performed by authorised service centres.



Safety Information

Important - Please read these instructions fully before operating or maintaining

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:

- 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.
- 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.

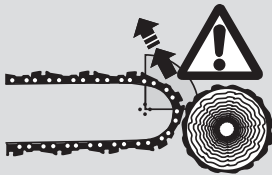


Safety Information

Important - Please read these instructions fully before operating or maintaining

Causes and operator prevention of kickback

- 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.
- Follow the manufacturer's sharpening and maintenance instructions for the saw chain. Decreasing the depth gauge height can lead to increased kickback.





Safety Information

Important - Please read these instructions fully before operating or maintaining

Residual risks

Residual risks

Even with the intended use of the appliance there is always a residual risk, which can not be prevented. According to the type and construction of the appliance the following potential hazards might apply:

- Contact with exposed saw teeth of the saw chain (cutting hazards)
- Access to the rotating saw chain (cutting hazards)
- Unforeseen, abrupt movement of the guide bar (cutting hazards)
- Flung out parts from the saw chain (Cutting / injection hazards)
- Flung out parts of the work piece
- Loss of hearing, if no required ear protection used during work
- Skin contact with the oil
- Loss of hearing, if no required ear protection used during work

SAVE THESE INSTRUCTIONS



Safety Information

Important - Please read these instructions fully before operating or maintaining

Instructions concerning the proper techniques for basic felling, limbing, and cross-cutting

1. Felling a tree

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

The chain saw operator should keep on the uphill side of the terrain as the tree is likely to roll or slide downhill after it is felled.

An escape path should be planned and cleared as necessary before cuts are started. The escape path should extend back and diagonally to the rear of the expected line of fall as illustrated in Figure 1.

Before felling is started, consider the natural lean of the tree, the location of larger branches and the wind direction to judge which way the tree will fall.

Remove dirt, stones, loose bark, nails, staples and wire from the tree.



Safety Information

Important - Please read these instructions fully before operating or maintaining

Instructions concerning the proper techniques for basic felling, limbing, and cross-cutting

2. Notching undercut

Make the notch 1/3 the diameter of the tree, perpendicular to the direction of falls as illustrated in Figure 1. Make the lower horizontal notching cut (W) first. This will help to avoid pinching either the saw chain or the guide bar when the second notch (X) is being made.

3. Felling back cut

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

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 (Z) to open the cut and drop the tree along the desired line of fall (3).



Safety Information

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Instructions concerning the proper techniques for basic felling, limbing, and cross-cutting

When the tree begins to fall remove the chain saw from the cut, stop the motor, put the chain saw down, then use the retreat path planned (2). Be alert for overhead limbs falling and watch your footing.

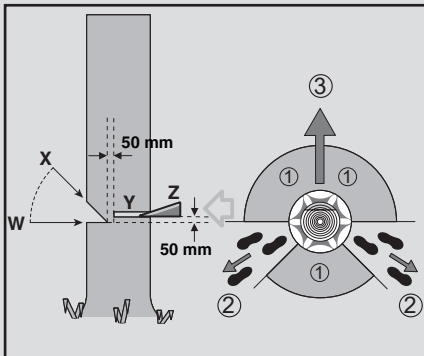


Figure 1

4. Limbing a tree

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 as illustrated in Figure 2. Branches under tension should be cut from the bottom up to avoid binding the chain saw.

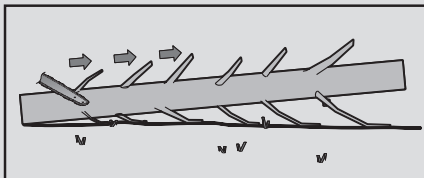


Figure 2



Safety Information

Important - Please read these instructions fully before operating or maintaining

Instructions concerning the proper techniques for basic felling, limbing, and cross-cutting

5. Cross-cutting/bucking a log

Cross-cutting/bucking 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. Follow the simple directions for easy cutting.

When the log is supported along its entire length as illustrated in Figure 3, it is cut from the top (overbuck), avoid contacting ground as this will greatly reduce the chain sharpness.

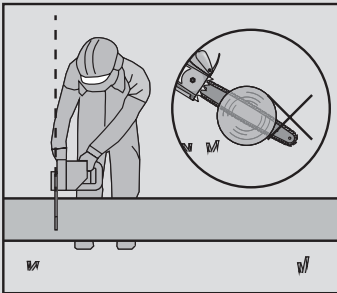


Figure 3

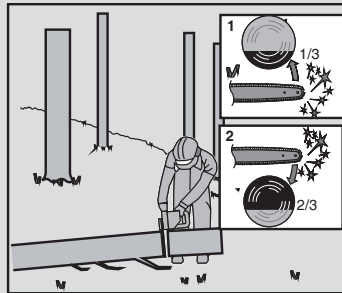


Figure 4

When the log is supported on one end, as illustrated in Figure 4, cut $\frac{1}{3}$ the diameter from the underside (underbuck) (1). Then make the finished cut by overbucking (2) to meet the first cut.



Safety Information

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Instructions concerning the proper techniques for basic felling, limbing, and cross-cutting

When the log is supported on both ends, as illustrated in Figure 5, cut $\frac{1}{3}$ the diameter from the top (overbuck) (1). Then make the finished cut by underbucking (2) the lower $\frac{2}{3}$ to meet the first cut.

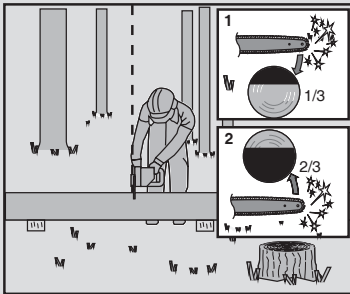


Figure 5

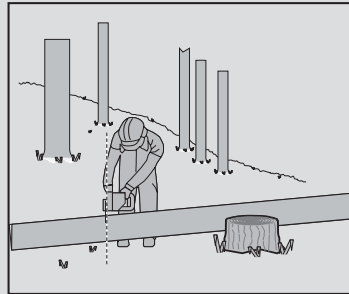


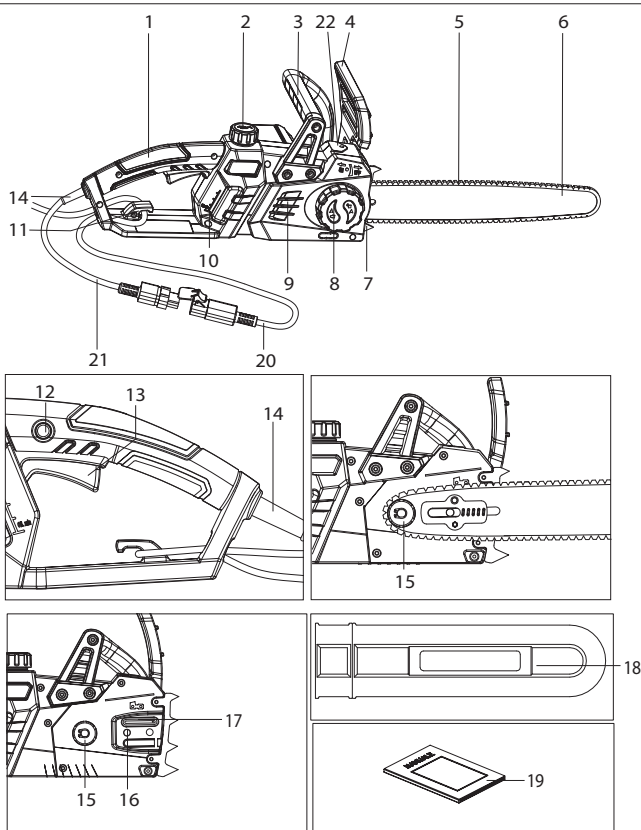
Figure 6

When bucking on a slope always stand on the uphill side of the log, as illustrated in Figure 6. When “cutting through”, to maintain complete control release the cutting pressure near the end of the cut without relaxing your grip on the chain saw handles. Don’t let the chain contact the ground. After completing the cut, wait for the saw chain to stop before you move the chain saw. Always stop the motor before moving from tree to tree.

Part List

Parts Description

- | | |
|---------------------------------|-----------------------------|
| 1 Rear handle | 12 Safety lock-off button |
| 2 Oil tank cap | 13 ON/OFF switch |
| 3 Front handle | 14 Cord protection sleeve |
| 4 Front hand guard/Chain brake | 15 Drive sprocket |
| 5 Saw chain | 16 Guide bolt |
| 6 Guide bar | 17 Chain lubrication outlet |
| 7 Bumper spike | 18 Guide bar cover |
| 8 Chain tension adjustment knob | 19 Instruction manual |
| 9 Drive sprocket cover | 20 Cord set |
| 10 Oil level window | 21 Power cord |
| 11 Cable strain relief hook | 22 Brake indicator light |



Preparation



NOTE: This chainsaw is pre-assembled fully when delivery, no further assembly required.

Preparing instructions



Always take care when removing the packaging to prevent damage to you or to the chain saw.



IMPORTANT! The machine is already assembled, check all the parts indicated in the manual are in the box. Inspect all the parts for signs of damage. Do not assemble the chain saw if you observe any damaged components.



NOTE: Before using the tool, read the instruction book carefully. Take care not to lose any instructions which may be attached to the tool, these provide important information which will be required while assembling the chain saw.

1. CHECKING THE CHAIN TENSION AND DIRECTION (SEE FIG. A1, A2, A3)



WARNING: Ensure the product is disconnected from the mains power supply before attempting any adjustment.



WARNING: Cutting edges on chain are sharp. Use protective gloves when handling chain.



WARNING: Maintain proper chain tension always. A loose chain will increase the risk of kickback.

A loose chain may jump out of guide bar groove. This may injure operator and damage chain. A loose chain will cause chain, bar, and drive sprocket to wear rapidly.

CHAIN TENSION:

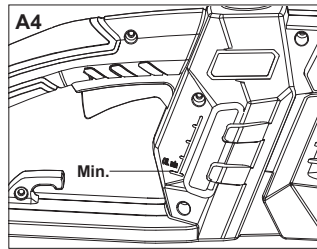
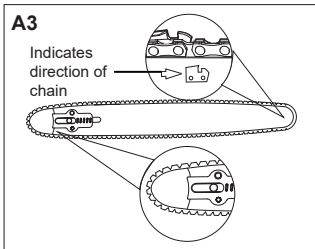
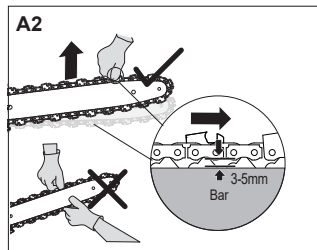
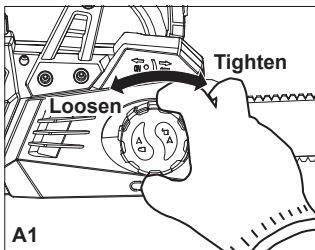
- 1) Check the chain tension frequently during operation, and tighten when the chain becomes loose around the guide bar.
- 2) Turn the tool-free lock knob clockwise by hand to tighten the chain tension and anti-clockwise to loosen the chain tension until the saw chain is correctly tensioned. Do not tension the chain too tightly. (See Fig. A1)

Preparation

Preparing instructions

- 3) The correct chain tension is reached when the chain can be raised approx. 3-5 mm (using a small amount of force) from the guide bar in the centre. Do not use two hands to pull the chain for checking the tension. (See Fig. A2)
- 4) When replacing the chain, please make sure the chain is assembled on the bar in correct direction. Firstly, make sure the bar tip on the right and bar end(attach on the machine) on the left. Then make sure the chain teeth the same direction as marked on the bar. (See Fig. A3)
- 5) Before use, make sure the oil tank is filled with around 200ml of specialist chain oil (not supplied, available to purchase separately). Never use the chainsaw when oil less than the min. level. (See Fig. A4)

CHAIN DIRECTION:



WARNING! The direction of the saw chain 'cutters' must be same as indicated by the symbol and arrow on the guide bar! (see figure. A3)

Preparation

Preparing instructions

2. LUBRICATION

Precautions for safe handling of chain saw chain oil



WARNING:

- Do not eat, drink or smoke during use.
- Only use in a well-ventilated area to prevent build-up of excessive levels of vapour.
- Wear appropriate Personal Protective Equipment (PPE), including protective gloves, eye protection and suitable protective clothing including footwear.
- Wash hands and other exposed areas with mild soap and water after each use and particularly before eating, drinking or smoking.

Precautions for safe storage conditions



WARNING:

- Keep only in the original container in a cool, well ventilated place away from possible sources of ignition and direct sunlight.
- Keep container closed when not in use.
- Store locked up and out of reach of children.

Safe product/package disposal



WARNING:

- DO NOT release to the environment.
- Safety dispose of contents/container to hazardous or special waste collection point in accordance with local waste disposal regulations. If in doubt, please contact your local environmental authority for approved disposal methods.

NOTE: Chain life and cutting capacity depend on optimum lubrication. Therefore, the chain is automatically oiled during operation.

- a. Set chain saw on any suitable surface with oil tank cap facing upward.

Preparation

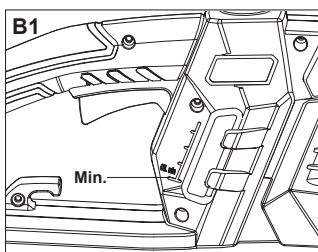
Preparing instructions

- b. Clean area around the oil tank cap with a cloth, and unscrew the cap by turning it counter-clockwise.
- c. Fill the oil tank with 200ml of specialist chain oil (not supplied, available to purchase separately) and keep oil topped up during use.
- d. Avoid dirt or debris entering oil tank. Refit oil tank cap and tighten by turning clockwise until hand-tight.

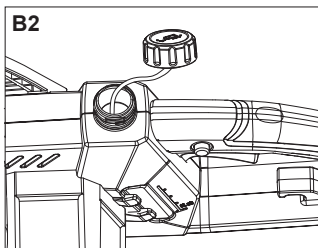
3. OIL LEVEL GAUGE (SEE FIG. B1&B2)

To prevent excessive wear, the saw chain and guide bar must be evenly lubricated during operation. Lubrication is automatic. Never work without chain lubrication. If the chain runs dry, the entire cutting apparatus will quickly become severely damaged. It is therefore important to check both chain lubrication and the oil level gauge every use.

Never use the saw when the oil level is below the "Min." mark.



MIN.: When only approx. 5 mm of oil is visible at the lower rim of the oil level gauge, you must stop use the chainsaw immediately and top up with oil.. Top up with oil until the window is full.



Preparation

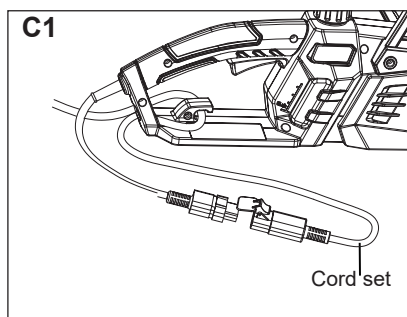
Operating instructions

4. HOW TO USE THE CABLE HOOK (SEE FIG. C1)



WARNING: Ensure the product is disconnected from the mains power supply before attempting any adjustment.

Form a loop with the end of the cord set. Lead the loop through the hole on the back of the chain saw rear handle and hook the loop over the cable hook. Connect the power cable to the socket of the cord set. Gently pull on the power cable to ensure that it is firmly attached.



Operation

Operating instructions

1. THE CHAIN BRAKE (SEE FIG. D)

The manual chain brake is a safety mechanism activated through the front hand guard when kickback occurs. The chain will stop within a fraction of a second. (See Fig. D1)

Engaging the chain brake:

To engage the chain brake manually, simply push the hand guard forward (arrow A). The brake is now engaged, and the brake indicator light off. (See Fig. D2)

Disengaging the chain brake:

Pull the hand guard backwards (arrow B) until you feel it catch. The brake is now disengaged, and the brake indicator light on. (See Fig. D2&D3)

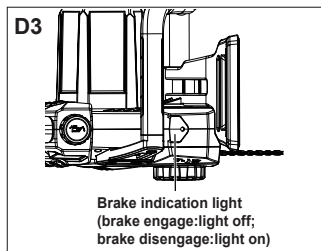
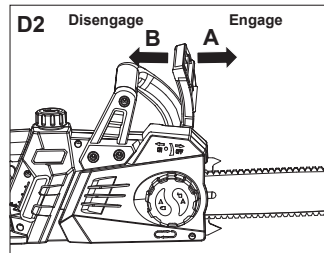
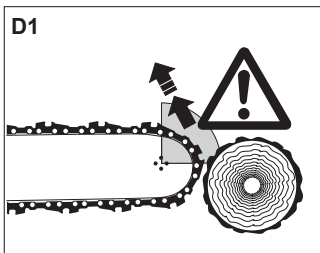
Before cutting any wood, test the break function by starting the chainsaw first and then engaging the chain break to see if the chain will stop working.



WARNING: ALWAYS engage the chain brake when not in use.



WARNING: ALWAYS disengage the chain brake before starting the work!



Operation

Operating instructions

2. SWITCHING ON AND OFF (SEE FIG. E)

- 1) Take the guide bar cover off. Place the chain saw on a flat place.
- 2) Connect the power plug to the mains socket.
- 3) The chain break is in the engaged position before use, pull the hand guard backwards to release the chain break. (See Fig. D2)
- 4) For switching on, press the lock-off button, then fully press the on/off switch and hold in this position. The lock-off button can now be released. (See Fig. E)
- 5) For switching off, release the on/off switch, or push the hand guard forward to engage it.

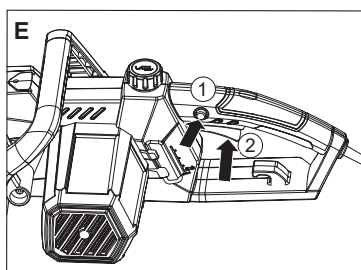


WARNING: Always wear safety goggles, ear protection, protective gloves and heavy-duty work clothes!



WARNING: After switching on, the chain saw will run immediately at high speed.

After working with the chain saw, you should always: Clean the saw chain and guide bar and replace the guide bar cover.



Operation

Operating instructions

3. CHECKING THE CHAIN BRAKE (SEE FIG. F)

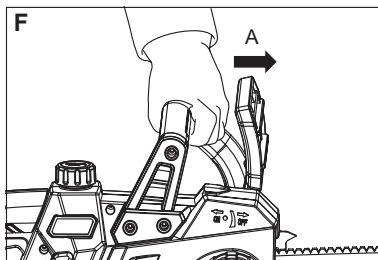
The chain brake must be checked before every use of the saw!

Start the tool as described above (have a secure footing, place the chain saw on the ground so that the saw chain and guide bar are not near anything).

Hold the front handle firmly, with your other hand on the rear handle.

Let the tool run at medium speed by not fully press the main switch and push the hand guard in the direction of the arrow A using the back of your hand, until the chain brake engages. The chain should now stop immediately.

Pull the hand guard backwards until you feel it catch. The brake is now disengaged.



WARNING: Always engage the chain brake when not in use.



CAUTION: If the saw chain does not stop immediately in this test, switch off the tool immediately. Do NOT use the chain saw in this condition! Contact customer helpline.

Operation

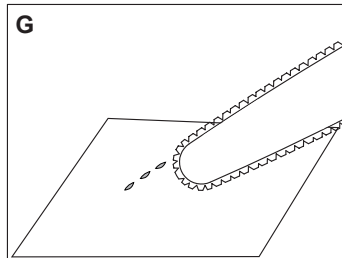
Operating instructions

4. CHECKING THE AUTOMATIC LUBRICATION (SEE FIG. G)

Proper functioning of the automatic oiler can be checked by running the chain saw and pointing the tip of the guide bar towards a piece of cardboard or paper on the ground. After running for 50-60 seconds, if an increasing oil pattern develops on the cardboard, the automatic oiler is operating fine. If there is no oil pattern, despite a full oil tank, contact after sales.



WARNING: Do not touch the ground with the saw chain. Ensure safety clearance of 30cm.



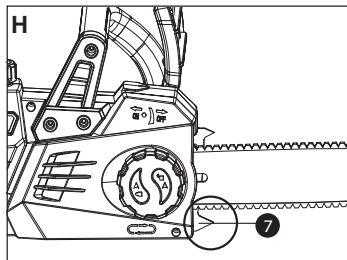
5. BUMPER SPIKE (SEE FIG. H)

The bumper spike can be used as a lever during sawing by repositioning at a lower point below the cut when sawing thick branches or trunks.

To do this, pull the chain saw back a little after the cut to release the bumper spike and set it lower again. Do not remove the saw from the cut.

When sawing, do not press the chain saw with force, but let it work by applying a slight lever pressure to the front via the bumper spike and sawing further into the existing cut.

The optimum sawing result is achieved if the chain speed during sawing does not drop due to overload.



Operation

Operating instructions

6. CUTTING (SEE FIG. I)



WARNING: Check oil level gauge prior to starting and regularly during operation. Refill chain oil (not supplied) when oil level is low.



WARNING: Check the chain tension approx. every 10 minutes during operation.



WARNING: Always wear safety goggles, ear protection, protective gloves and heavy-duty work clothes during operation.



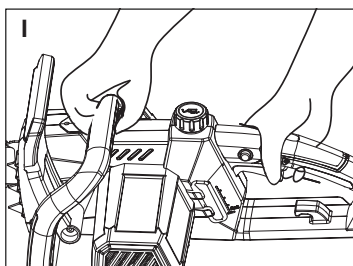
WARNING: Check the automatic lubrication as described above.

- 1) To start the device, connect the power plug to the mains socket.
- 2) Make sure section of log to be cut is not laying on the ground. This will keep the chain from touching the ground as it cuts through the log. Touching the ground while the Chain is moving is dangerous and will dull the Chain.
- 3) Use both hands to grip saw. Always use left hand to grip Front Handle and right hand to grip Rear Handle.
Use a firm grip. Thumbs and fingers must wrap around saw handles. (See Fig. I)
- 4) Make sure your footing is firm. Keep feet-shoulder width apart. Distribute your weight evenly on both feet.
- 5) When ready to make a cut, push the lock-off button completely in with the right thumb and squeeze the trigger. This will turn saw on. Releasing the trigger will turn the saw off. Make sure the saw is running at full speed before starting a cut.
- 6) When starting a cut, slowly place moving chain against the wood. The wood should be as close to the saw body as possible. Hold saw firmly in place to avoid possible bouncing or skating (sideways movement) of saw.
- 7) Guide the saw using light pressure and do not put excessive force on the saw, letting the saw do its work. The motor will overload and can burn out. It will do the job better and safer at the rate for which it was intended.
- 8) Remove the saw from a cut with the saw running at full speed. Stop the saw by releasing the On/off Switch.
Make sure the chain has stopped before setting the saw down.

Operation

Operating instructions

- 9) Keep practicing on scrap logs in a secure working area until you are comfortable, using a fluid motion and a steady cutting rate.
- 10) After working with the chain saw, you should always: Clean the saw chain and guide bar and replace the guide bar cover.
- 11) If the chain stop work and stuck in the wood, release the switches firstly, then engage the chain break. Move out the chain bar from the wood by pulling it out in several directions. When moved out the chain and bar from the wood, disengage the chain break and restart the chainsaw.



Operation

Operation

1. KICKBACK SAFETY DEVICES ON THIS SAW

This saw has a low-kickback chain and reduced kickback guide bar. Both items reduce the chance of kickback. However, kickback can still occur with this saw.

The following steps will reduce the risk of kickback.

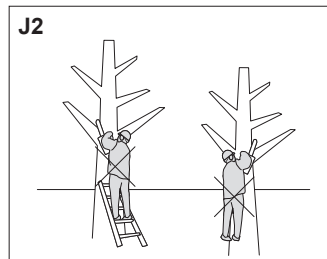
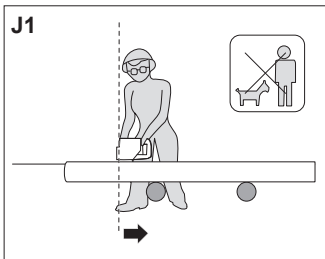
- Use both hands to grip saw while saw is running. Use firm grip. Thumbs and fingers must wrap around saw handles.
- Keep all safety items in place on saw. Make sure they work properly. Do not overreach or cut above shoulder height.
- Keep solid footing and balance at all times.
- Stand slightly to the left side of saw. This keeps your body from being in direct line with chain. Do not let guide bar nose touch anything when chain is moving.
- Never try cutting through two logs at same time. Only cut one log at a time.
- Do not bury the guide bar nose or try plunge cut (boring into wood using guide bar nose). Watch for shifting of wood or other forces that may pinch chain.
- Use extreme caution when reentering a previous cut.
- Use only the low-kickback chain and guide bar that were supplied with this chain saw or recommended replacements.
- Never use a dull or loose chain. Keep chain sharp with proper tension.

Maintenance

Maintenance

2. HOW TO USE SAW SAFELY (SEE FIG. J)

- 1) Use the chain saw only with secure footing.
 - 2) Hold the chain saw at the right-hand side of your body (See Fig. J1).
 - 3) The chain must be running at full speed before it makes contact with the wood.
 - 4) Do not operate the chain saw with arms fully extended, attempt to saw areas which are difficult to reach, or stand on a ladder while sawing (See Fig. J2).
- Never use the chain saw above shoulder height.



1. REPLACING THE CHAIN AND GUIDE BAR (SEE FIG. K)



WARNING: Use only chains and guide bars designed for this chain saw.



WARNING: Ensure the product is disconnected from the mains power supply before attempting any maintenance.



WARNING: Cutting edges on chain are sharp. Use protective gloves when handling chain. The chain needs replacing when:

The sawdust produced when sawing damp wood looks like wood flour.

The chain penetrates the wood only under great pressure. The cutting edge is visibly damaged.

The saw is pulled to the left or right when sawing. This is caused by uneven sharpening of the chain.

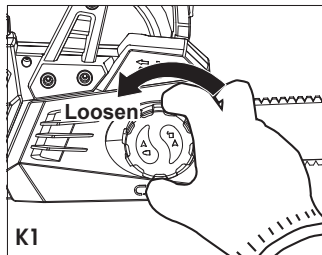
Maintenance

Maintenance

Keep chain sharp. Your saw will cut faster and more safely. A dull chain will cause undue drive sprocket, guide bar, chain, and motor wear. If you must force chain into wood and cutting creates only sawdust with few large chips, chain is dull.

Replace the guide bar and saw chain as follows:

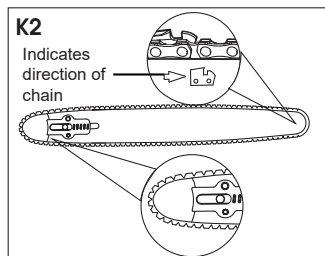
- 1) Place the tool on a solid, level surface.
- 2) Grip the tool-free lock knob and turning it anti-clockwise to loosen the drive sprocket cover and take off the drive sprocket cover. (See Fig. K1)
- 3) Remove the old bar and chain to expose the bar pad.



- 4) Assemble the new bar and chain. Slide the chain in the slot around the guide bar. Ensure the chain is in correct running direction by comparing it to the chain icon on the bar pad (See Fig. K2)



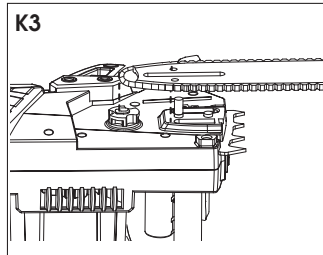
WARNING: Make sure the drive links are fully seated in the slot around the guide bar, especially at the end part of the guide bar.



Maintenance

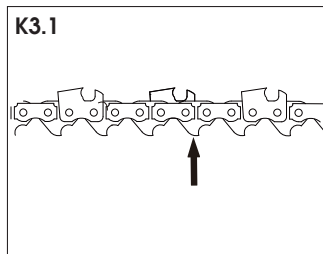
Maintenance

- 5) Fit the chain onto the drive sprocket. Ensure the bar tensioning bolt is correctly located into the bottom bar hole (See Fig. K3)



- 6) Assure all parts are seated properly. Make sure the drive links (See Fig. K3.1) are fully seated in the drive sprocket, avoiding a kink. If kink occurs, pick up on the saw chain at the guide bar just ahead of the kink and then pull the kink out.

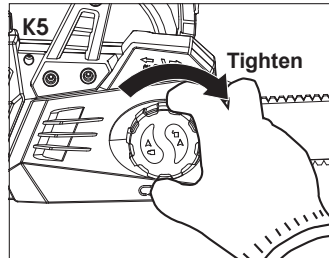
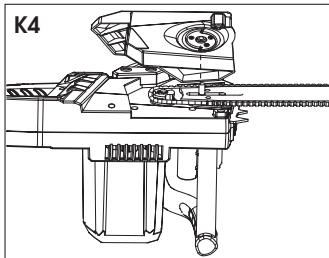
NOTE: Chain should rotate freely and be free of kinks.



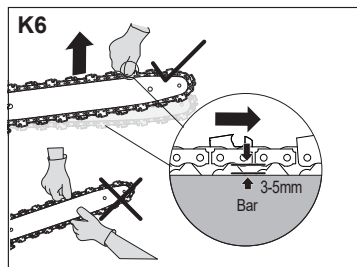
Maintenance

Maintenance

- 7) Fit the guide bar cover onto the bar pad, make sure the hole of the cover is directly inserted into the guide bolt. Hold the tool-free lock knob and turning it clockwise to tighten the guide bar cover. Check to see if the cover is pressed tight and smoothly with the guide bar and saw chain body. (See Fig. K4, K5)



- 8) Check the chain tension: The correct chain tension is reached when the chain can be raised approx. 3-5 mm from the guide bar in the centre (using a small amount of force). This should be done by using one hand to raise the chain against the weight of the machine. Do not tension the chain too much. (See Fig. K6)



Maintenance

Maintenance

4. MAINTENANCE AND STORAGE OF CHAIN SAW

- 1) Remove the plug from the socket
 - When not in use
 - Before moving from one place to another
 - Before servicing
 - Before changing accessories or attachments, such as saw chain and guard
- 2) Inspect chain saw before and after each use. Check saw closely if guard or other part has been damaged. Check for any damage that may affect operator safety or operation of saw. Check for alignment or binding of moving parts. Check for broken or damaged parts. Do not use chain saw if damage affects safety or operation. Have damage repaired by authorized service center.
- 3) Maintain chain saw with care.
 - Never expose saw to rain or direct moisture.
 - Keep chain sharp, clean, and lubricated for better and safer performance.
 - Keep handles dry, clean, and free of oil and grease.
 - Keep all screws and nuts tight.
- 4) When servicing, use only identical replacement parts.
- 5) When not in use, always store chain saw
 - in a high or locked place, out of children's reach
 - in a dry place
 - with guide bar cover in place

Maintenance

Maintenance

5. BAR MAINTENANCE

To maximize bar life, the following bar maintenance is recommended.

The bar rails that carry the chain should be cleaned before storing the tool or if the bar or chain appear to be dirty. The rails should be cleaned every time the chain is removed.

TO CLEAN THE BAR RAILS:

- 1) Remove chain cover and bar and chain.
- 2) Using a wire brush, screwdriver or similar tool, clear the residue from the inner groove of the bar. (See Fig. L1)
- 3) Make sure to clean oil passages thoroughly

CONDITIONS WHICH REQUIRE CHAIN AND GUIDE BAR MAINTENANCE:

(See Fig. L2)

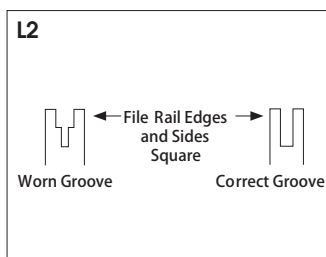
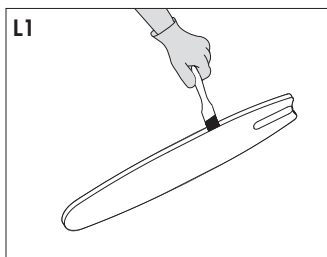
- Saw cuts to one side or at an angle.
- Saw has to be forced through the cut.
- Inadequate supply of oil to the bar and chain.

Check the condition of the Guide Bar each time the chain is sharpened. A worn Guide Bar will damage the chain and make cutting difficult.

After each use, remove the plug from the socket, clean all sawdust from the guide bar and drive sprocket hole.

When rail top is uneven, use a flat file to restore square edges and sides.

Replace the guide bar when the groove is worn, the guide bar is bent or cracked, or when excess heating or burring of the rails occurs. If replacement is necessary, use only the guide bar specified for your saw in the spare parts list.



Maintenance

Maintenance

6. LUBRICATE DRIVE SPROCKET



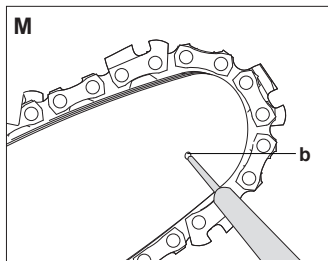
WARNING: Remove the plug from the socket before performing any service or maintenance on this tool.



WARNING: Wear heavy duty gloves when performing any maintenance or service to this tool.

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

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



Maintenance

Maintenance

7. GENERAL MAINTENANCE



WARNING: Before inspecting, cleaning or servicing the unit, wait for all moving parts to stop, and remove the plug from the socket. Failure to follow these instructions can result in serious personal injury or property damage.



WARNING: When servicing, use only identical replacement parts. Use of any other parts may create a hazard or cause product damage. To ensure safety and reliability, all repairs should be performed by a qualified service technician.

For power tools with type Y attachment: instruction that, if the replacement of the supply cord is necessary, this has to be done by the manufacturer or his agent in order to avoid a safety hazard;

Follow maintenance instructions in this manual. Proper cleaning of saw and chain and guide bar maintenance can reduce chances of kickback.

Inspect and maintain saw after each use. This will increase the service life of your saw.

NOTE: Even with proper sharpening, risk of kickback can increase with each sharpening. It is therefore recommended to replace saw chain instead of sharpening to minimise risk of kickback.

After each use of chain saw, clean the plastic parts of the saw using a damp cloth with a mild detergent.

Do not use any strong detergents on the plastic housing or the handle. They can be damaged by certain aromatic oils, such as pine and lemon, and by solvents such as kerosene. Moisture can also cause a shock hazard. Wipe off any moisture with a soft dry cloth.

8. STORING THE MACHINE

Remove the plug from the socket.

Wear heavy gloves to clean the tool thoroughly.

Store the tool in a dry, well-ventilated area, locked-up or up high, out of the reach of children. Do not store the machine on or adjacent to fertilizers, gasoline, or other chemicals.

Technical Data

Technical data table

Model number	MCECS18
Rated voltage	230-240V~ 50Hz
Replacement fuse rating	13A
Cable length	6m
Rated power	1800 W
Bar length	400mm (16")
Chain speed	15m/s
Oil tank capacity	200ml
Insulation protection class	II
Net weight	5.6kg
Guaranteed sound power level	$L_{wA} = 107 \text{ dB(A)}$
A weighted sound pressure	$L_{pA} = 96.9 \text{ dB(A)}$ $K=3 \text{ dB(A)}$
A weighted sound power	$L_{wA} = 104.9 \text{ dB(A)}$ $K=2.36 \text{ dB(A)}$
Vibration emission value	$a = 6.36 \text{ m/s}^2$ (main handle) $a = 5.65 \text{ m/s}^2$ (auxiliary handle) Uncertainty $K = 1.5 \text{ m/s}^2$

Spare parts

Saw chain	Oregon: 91PJ056X
Guide bar (400mm/16")	Oregon: 160SDEA041
Guide bar cover	GBC-02
6M Extend cord (2*1.0mm ² Rubber)	JYT2A/JYZ2A

Noise technical data



WARNING: A specialist chain oil (not supplied, available to purchase separately) will usually contain Inhibitors against oxidation damage, have anti-wear properties and a high tack additive to help the oil stick to the bar and chain during use. These specialist properties reduce friction, prevent clogging and help to prolong the life of your Chain and guide bar.

It is therefore essential to continue to use a specialist Chain saw Chain Oil.



WARNING: Never use recycled oil or non-specialist Chain Oil. Warranty claims may be rejected if you have not followed the manufacturers recommendation to use a specialist Chainsaw Oil.

Technical Data

Noise technical data

NOISE INFORMATION

A weighted sound pressure

$L_{pA} = 96.9 \text{ dB(A)}$

$K=3 \text{ dB(A)}$

A weighted sound power

$L_{WA} = 104.9 \text{ dB(A)}$

$K=2.36 \text{ dB(A)}$

Wear ear protection.

VIBRATION INFORMATION

Vibration total values (triax vector sum) determined according to EN 62841-1:

Vibration emission value: $a = 6.36 \text{ m/s}^2$ (main handle)

$a = 5.65 \text{ m/s}^2$ (auxiliary handle)

Uncertainty $K = 1.5 \text{ m/s}^2$

The declared vibration total value and the declared noise emission value have been measured in accordance with a standard test method and may be used for comparing one tool with another.

The declared vibration total value and the declared noise emission value may also be used in a preliminary assessment of exposure.



WARNING: The vibration and noise emissions during actual use of the power tool can differ from the declared value depending on the ways in which the tool is used especially what kind of workpiece is processed dependant on the following examples and other variations on how the tool is used:

How the tool is used and the materials being cut or drilled. The tool being in good condition and well maintained.

The use of the correct accessory for the tool and ensuring it is sharp and in good condition.

The tightness of the grip on the handles and if any anti vibration and noise accessories are used. And the tool is being used as intended by its design and these instructions.

This tool may cause hand-arm vibration syndrome if its use is not adequately managed



WARNING: To be accurate, an estimation of exposure level in the actual conditions of use should also take account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle but not actually doing the job. This may significantly reduce the exposure level over the total working period.

Technical Data

Noise technical data

Helping to minimise your vibration and noise exposure risk. Always use sharp chisels, drills and blades.

Maintain this tool in accordance with these instructions and keep well lubricated (where appropriate). If the tool is to be used regularly then invest in anti vibration and noise accessories.

Plan your work schedule to spread any high vibration tool use across a number of days.

Troubleshooting

General troubleshooting

The following chart lists problem symptoms, possible causes and corrective action, if your electric chain saw does not operate properly. If these do not identify and correct the problem, contact your service agent.



WARNING: Always switch the product off, disconnect it from power supply and let the product cool down before performing inspection, maintenance and cleaning work!

Problem	Possible cause	Solution
Chain saw fails to operate	1.1 Kickback brake is activated 1.2 No power 1.3 Mains socket faulty 1.4 Cord damaged 1.5 Fuse faulty	1.1 Pull hand guard back in disengage position. 1.2 Check power 1.3 Use another socket 1.4 Check cord, if damaged, contact customer helpline. 1.5 Replace fuse
Chain saw operates intermittently	2.1 Cord damaged 2.2 Loose connection 2.3 Internal wiring defective 2.4 On/Off switch defective	2.1 Check cord, if damaged, contact customer helpline. 2.2 Contact customer helpline 2.3 Contact customer helpline 2.4 Contact customer helpline
Dry chain	3.1 No oil in tank 3.2 Vent in oil filler cap clogged 3.3 Oil passage clogged	3.1 Refill oil 3.2 Clean cap 3.3 Clean oil passage outlet
Kickback Brake/Run Down Brake	4.1 Brake does not stop chain	4.1 Stop use and contact customer helpline

Troubleshooting

General troubleshooting

Chain/chain bar overheats	5.1 No oil in tank 5.2 Vent in oil filler cap clogged 5.3 Oil passage clogged 5.4 Chain is over tensioned 5.5 Dull chain	5.1 Refill oil 5.2 Clean cap 5.3 Clean oil passage outlet 5.4 Adjust locking knob 5.5 Replace chain
Chain saw rips, vibrates, does not saw properly	6.1 Chain tension too loose 6.2 Dull chain 6.3 Chain worn out 6.4 Chain teeth are facing in the wrong direction	6.1 Adjust locking knob 6.2 Replace chain 6.3 Replace chain 6.4 Reassemble with chain in correct direction

Guarantee

Dear Customer,

In the unlikely event that your device develops a fault, please contact our Customer service department on the telephone number shown below (0345 605 2062).

1. These guarantee terms cover additional guarantee rights and do not affect your statutory warranty rights. Claims must be accompanied by Proof of Purchase. This must be in the form of a Sales receipt or Bank statement and must show that the product has been purchased within 2 years prior to the claim, from the retailer that it was originally sold to.
2. Our guarantee covers problems caused by material or manufacturing defects, and will result in the repair of these defects or replacement of the device with a like for like or similar article.
Please note that our devices have not been designed for use in commercial, trade or industrial applications. Consequently, the guarantee is invalidated if the equipment is used in commercial, trade or industrial applications or for other equivalent activities.
3. The following are also excluded from our guarantee :
 - A. Faults due to accidents, customer misuse or unauthorized repairs
 - B. Failure due to lack of routine maintenance.
 - C. Failure as a result of not using the equipment in accordance with the manual and safety instructions
 - D. The adjustment of cables.
 - E. Consumable Parts such as guide bar, saw chain and other accessories that are compatible with the product.
4. The guarantee is valid for a period of 2 years starting from the purchase date of the device. Guarantee claims should be submitted before the end of the guarantee period within two weeks of the defect being noticed. No guarantee claims will be accepted after the end of the guarantee period. The original guarantee period remains applicable to the device even if repairs are carried out or parts are replaced. In such cases, the work performed or parts fitted will not result in an extension of the guarantee period, and no new guarantee will become active for the work performed or parts fitted. This also applies when an on-site Service is used.
5. Please keep your sales receipt in a safe place. If it is covered by our guarantee your device will either be repaired under the terms of guarantee or we will send you a replacement device. This device may be re-conditioned or like for like replacement.