

Clarke®



WARNING: Read these instructions before using the machine

ELECTRIC CHAINSAW

MODEL NO: CECS405C

PART NO: 3402073

OPERATION & MAINTENANCE INSTRUCTIONS

UK
CA | CE



ORIGINAL INSTRUCTIONS

DL0521 - Rev 3

INTRODUCTION

Thank you for purchasing this Electric Chainsaw.

Please read this manual thoroughly, before attempting to operate, and carefully follow all instructions given.

It is vitally important that ALL precautions are taken, as specified, which will not only provide protection for yourself and that of others around you, but will also ensure that the chainsaw will give you long and satisfactory service.

GUARANTEE

This CLARKE chainsaw is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt as proof of purchase.

This guarantee is invalid if the chainsaw is found to have been abused or tampered with in any way, or not used for the purpose for which it was intended.

Faulty goods should be returned to their place of purchase, no chainsaw can be returned to us without prior permission. This guarantee does not affect your statutory rights.

SPECIFICATIONS

Rated voltage	230 V @ 50Hz
Motor power rating	2000 W
Chain speed	13 m/s
Chain stopping time (kickback)	< 0.12 seconds
Maximum cutting length	16" (405 mm)
Oil type	Clarke chain oil.
Dimensions (L x W x H)	830 x 242 x 202 mm
Weight	5.5 kg
Vibration level (weighted)	Main handle - 8.393 m/s ² Aux handle - 6.002 m/s ²
Noise emission data	
A-weighted sound pressure level	85.9 dB (A) K=3dB (A)
Guaranteed sound power level	112 dB Lwa

SAFETY PRECAUTIONS



WARNING: READ ALL INSTRUCTIONS. FAILURE TO FOLLOW ALL INSTRUCTIONS LISTED BELOW MAY RESULT IN ELECTRIC SHOCK, FIRE AND/OR SERIOUS INJURY. THE TERM “POWER TOOL” IN ALL WARNINGS LISTED BELOW REFERS TO YOUR ELECTRIC CHAINSAW.

WORK AREA

1. **Keep work area clean and well lit.** *Cluttered and dark areas invite accidents.*
2. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** *Power tools create sparks which may ignite the dust or fumes.*
3. **Keep children and bystanders away while operating a power tool.** *Distractions can cause you to lose control.*

ELECTRICAL SAFETY

1. **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges or refrigerators.** *There is an increased risk of electric shock if your body is earthed or grounded.*
2. **Do not expose power tools to rain or wet conditions.** *Water entering a power tool will increase the risk of electric shock.*
3. **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** *Use of a cord suitable for outdoor use reduces the risk of electric shock.*
4. **Use outdoor extension leads.** *If working outdoors, always use an approved cable extension suitable for the power rating of this tool (see specifications), the conductor size should also be at least the same size as that on the machine, or larger. When using a cable reel, always unwind the cable completely. We strongly recommend that this machine is connected to the mains supply via a Residual Current Device (RCD).*

PERSONAL SAFETY

1. **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** *A moment of inattention while operating power tools may result in personal injury.*
2. **Use safety equipment. Always wear eye protection.** *Safety equipment such as dust mask, non-skid safety shoes, or hearing protection used for appropriate conditions will reduce personal injuries.*

3. **Avoid accidental starting.** Ensure the switch is in the off position before connecting to the power supply.
4. **Do not overreach.** Keep proper footing and balance at all times. *This enables better control of the power tool in unexpected situations.*
5. **Dress properly.** Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. *Loose clothes, jewellery or long hair can be caught in moving parts.*

POWER TOOL USE AND CARE

1. **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate which it was designed.
2. **Do not use the power tool if the switch does not turn it on and off.** *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*
3. **Disconnect the power before making any adjustments, changing accessories, or storing power tools.** *Such preventive safety measures reduce the risk of starting the power tool accidentally.*
4. **Store idle tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** *Power tools are dangerous in the hands of untrained users.*
5. **Maintain power tools.** Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. **If damaged, have the power tool repaired before use.** *Many accidents are caused by poorly maintained power tools.*
6. **Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*
7. **Use the power tool and accessories in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed.** *Use of the power tool for operations different from intended could result in a hazardous situation.*

SERVICING

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

CHAINSAW SAFETY WARNINGS

1. **Keep all parts of the body away from the saw chain when the chainsaw is operating. Before you start the chainsaw, make sure the saw chain is not contacting anything.** *A moment of inattention while operating chainsaws may cause entanglement of your clothing or body with the saw chain.*
2. **Always hold the chainsaw with your right hand on the rear handle and your left hand on the front handle.** *Holding the chainsaw with a reversed hand configuration increases the risk of injury and should never be done.*
3. **Hold the chainsaw by insulated gripping surfaces only, because the saw chain may contact hidden wiring or its own cable.** *Saw chains contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.*
4. **Wear safety glasses and hearing protection. Further protective equipment for head, hands, legs and feet must also be worn.** *Adequate protective clothing will reduce personal injury by flying debris or accidental contact with the saw chain.*
5. **Do not operate a chainsaw in a tree.** *Operation of a chainsaw while up in a tree may result in personal injury.*
6. **Always keep proper footing and operate the chainsaw only when standing on fixed, secure and level surface.** *Slippery or unstable surfaces such as ladders may cause a loss of balance or control of the chainsaw.*
7. **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 chainsaw out of control.*
8. **Use extreme caution when cutting brush and saplings.** *The material may catch the saw chain and be whipped toward you or pull you off balance.*
9. **Carry the chainsaw by the front handle with the chainsaw switched off and away from your body. When transporting or storing the chainsaw always fit the guide bar cover.** *Proper handling of the chainsaw will reduce the likelihood of accidental contact with the moving saw chain.*
10. **Follow instructions for lubricating, chain tensioning and changing accessories.** *Improperly tensioned or lubricated chain may either break or increase the chance for kickback.*
11. **Keep handles dry, clean, and free from oil and grease.** *Greasy, oily handles are slippery causing loss of control.*
12. **Cut wood only. Do not use the chainsaw for purposes not intended. For example: do not use the chainsaw for cutting plastic, masonry or non-wood building materials.** *Use of the chainsaw for operations different than intended could result in a hazardous situation.*

CAUSES AND 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 chainsaw user, you should take several steps to keep your cutting jobs free from accident or injury.

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

1. **Maintain a firm grip, with thumbs and fingers encircling the chainsaw 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 chainsaw.*
2. **Do not overreach and do not cut above shoulder height.** *This helps prevent unintended tip contact and enables better control of the chainsaw in unexpected situations.*
3. **Only use replacement bars and chains specified by the manufacturer.** *Incorrect replacement bars and chains may cause chain breakage and/or kickback.*

ENVIRONMENTAL RECYCLING POLICY











Through purchase of this chainsaw, the customer is taking on the obligation to deal with the WEEE in accordance with the WEEE regulations in relation to the treatment, recycling & recovery and environmentally sound disposal of the WEEE.

In effect, this means that this chainsaw must not be disposed of with general household waste. It must be disposed of according to the laws governing Waste Electrical and Electronic Equipment (WEEE) at a recognised disposal facility.

WARNING SYMBOLS

The following symbols are displayed on the chainsaw in order to remind you of the safety precautions you should take during operation.

	<p>Warning! - When using this chainsaw, basic safety precautions, including those in this user guide, should be observed to reduce the risk of fire, electric shock and personal injury.</p>
	<p>Warning! - Read this user guide thoroughly before use and keep in a safe place for future reference.</p>
	<p>Warning! - Wear safety goggles, ear protectors and safety helmet when using this chainsaw.</p>
	<p>Warning! - Do not expose this chainsaw to rain, or use in damp or wet locations.</p>
	<p>Warning! - Disconnect from the mains supply immediately if the cable is damaged or cut.</p>
	<p>Warning! - Never cut with the tip of the blade as this may result in kickback and cause personal injury.</p>
	<p>Warning! - Always wear gloves approved for chainsaw use.</p>
	<p>Warning! - Always hold the chainsaw with both hands during use.</p>

ELECTRICAL CONNECTIONS



WARNING: READ THESE ELECTRICAL SAFETY INSTRUCTIONS THOROUGHLY BEFORE CONNECTING THE CHAINSAW TO THE MAINS SUPPLY.

Before switching the chainsaw on, make sure that the voltage of your electricity supply is the same as that indicated on the rating plate. This chainsaw is designed to operate on 230V AC 50Hz. Connecting it to any other power source may cause damage.

This chainsaw is fitted with a non-rewireable plug. If it is necessary to change the fuse in the plug, the fuse cover must be refitted. If the fuse cover becomes lost or damaged, the plug must not be used until a suitable replacement is obtained.

If the plug has to be changed because it is not suitable for your socket, or due to damage, it should be cut off and a replacement fitted, following the wiring instructions shown below. The old plug must be disposed of safely, as insertion into a mains socket could cause an electrical hazard.

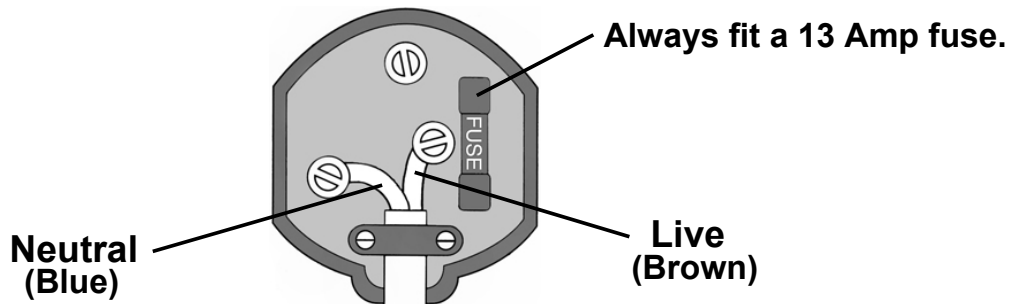


**WARNING! The wires in the power cable of this chainsaw are coloured in accordance with the following code:
Blue = Neutral Brown = Live**

If the colours of the wires in the power cable of this chainsaw do not correspond with the markings on the terminals of your plug, proceed as follows.

- The **Blue** wire must be connected to the terminal which is marked **N** or coloured **Black**.
- The **Brown** wire must be connected to the terminal which is marked **L** or coloured **Red**.

Plug must be BS1363/A approved.



Ensure that the outer sheath of the cable is firmly held by the clamp

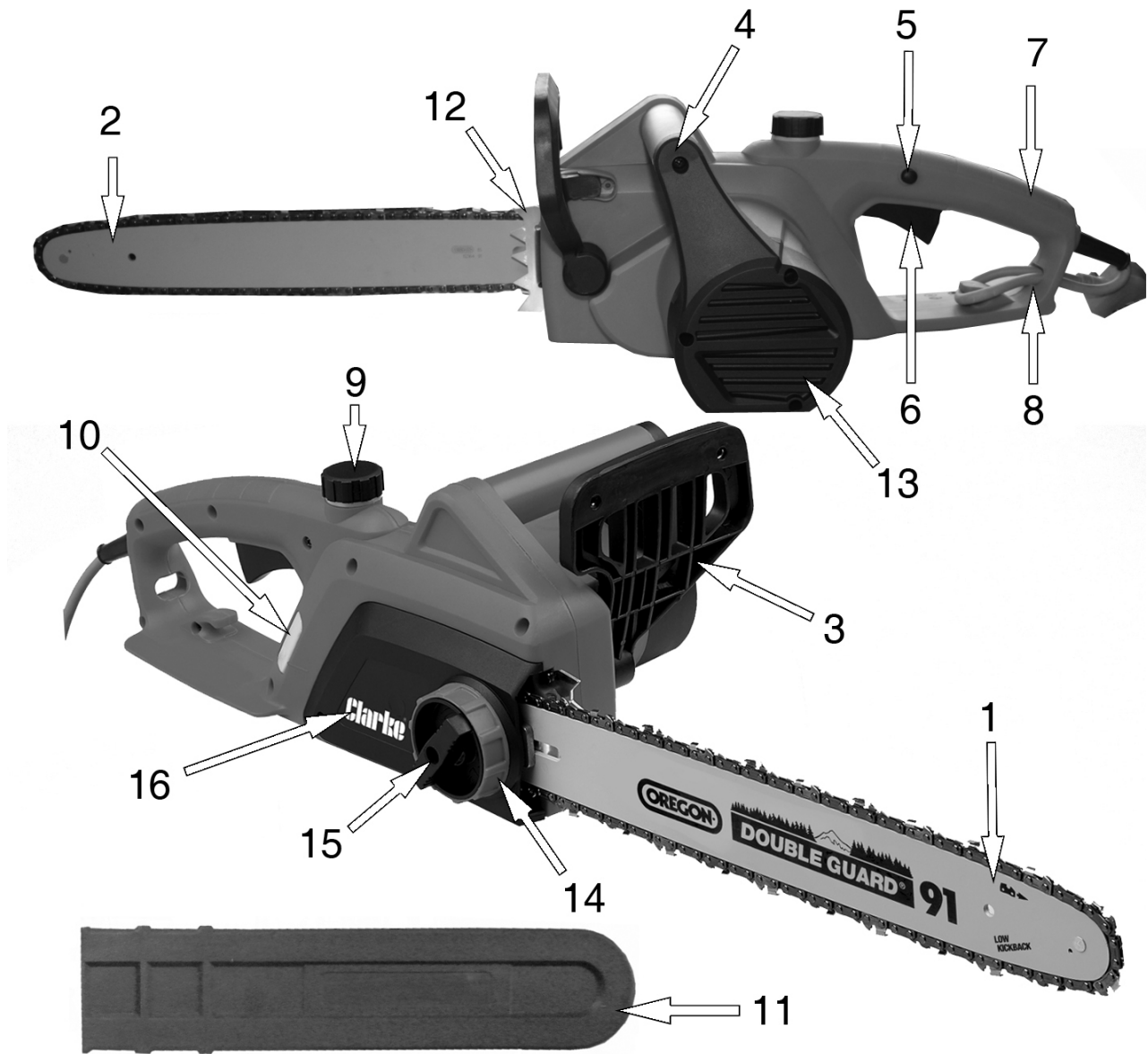
We strongly recommend that this machine is connected to the mains supply via a Residual Current Device (RCD)

If in any doubt, consult a qualified electrician. DO NOT attempt any repairs yourself.



This symbol indicates that this is a Class II chainsaw, and does not require an earth connection.

OVERVIEW



1	Chain	9	Oil Filler Cap
2	Chain Bar	10	Oil Level Window
3	Chain Brake Lever	11	Chain Scabbard
4	Front Handle	12	Gripping Teeth
5	Trigger Lock	13	Air Intake
6	On/Off Switch	14	Blade Tensioning Dial
7	Rear Handle	15	Cover Locking Screw
8	Cable Retainer	16	Housing Cover

ASSEMBLY



WARNING: FOR YOUR SAFETY AND THE SAFETY OF OTHERS MAKE SURE THAT YOU HAVE READ AND UNDERSTOOD ALL THE SAFETY WARNINGS BEFORE CONTINUING WITH THIS SECTION.

WARNING: ENSURE THAT THE CHAINSAW IS DISCONNECTED FROM THE MAINS SUPPLY DURING ALL CHECKS AND ADJUSTMENTS IN THIS SECTION

FILLING THE CHAINSAW WITH OIL

Chainsaw oil must be added to the chainsaw as follows before use.

1. Place the chainsaw on a stable, level surface.
2. Unscrew and remove the oil filler cap.
3. Using a funnel, fill the oil tank with chainsaw oil (supplied).
 - The oil tank will hold 135cc of chain oil, enough to lubricate the chain for 12-15 minutes of sawing.
 - Chainsaw oil is available from your CLARKE dealer (part number 3050865)

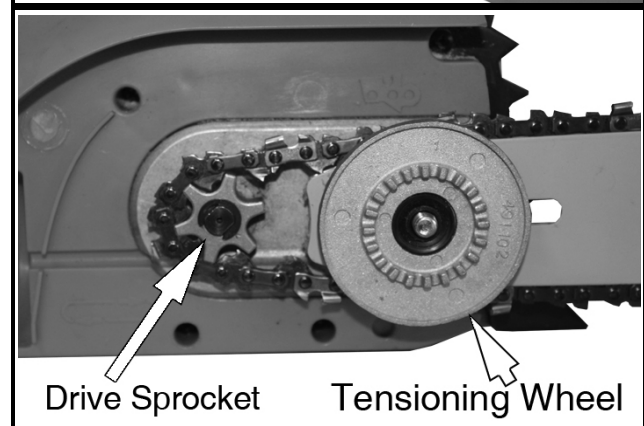
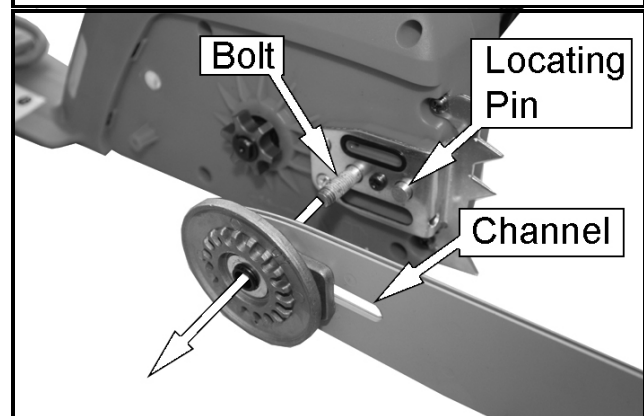
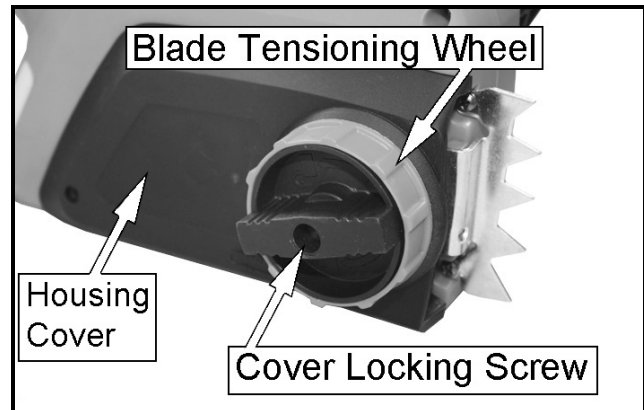


CAUTION: YOU MUST ONLY USE CHAINSAW OIL WITH THIS CHAINSAW. USING DIFFERENT OIL MAY CAUSE DAMAGE AND INVALIDATE YOUR WARRANTY.

4. Refit the oil filler cap.
5. Wipe up any spillage before continuing.
6. The oil level should be checked frequently during use and topped up as necessary (when the level drops to the min line on the oil level window).

ATTACHING THE CHAIN BAR AND CHAIN

1. Place the chainsaw on a stable surface.
2. Loosen the cover locking screw and remove the housing cover.
3. Slide the bar into place so that the tensioning wheel slides over the bolt as shown.
 - The locating pin slides into the channel shown.
4. Put the chain onto the bar.
 - The chain bar is marked with an arrow, showing the direction in which the chain will travel.
5. Make sure all the chain links are seated correctly into the groove on the chain bar
 - **The cutting teeth on the upper side of the bar must point forward.**
6. Put the free end of the chain over the drive sprocket
 - If the chain does not reach, turn the tension wheel anticlockwise.
7. To secure the bar, replace the housing cover and tighten the cover locking screw finger tight.
8. Adjust the blade tension as follows.



USING THE CHAINSAW



WARNING: DO NOT START THE CHAINSAW UNTIL IT IS FULLY ASSEMBLED AND ADJUSTED AND YOU HAVE READ ALL RELEVANT WARNINGS / SAFETY INSTRUCTIONS.

For 'first time' users of this type of product, we recommend that introductory training is undertaken from an experienced person before use.

PERSONAL PROTECTIVE EQUIPMENT

The following Personal Protective Equipment (PPE) available from you local Clarke Dealer has been designed for use with chainsaws.

- A safety helmet with mesh visor.
 - Ear defenders.
 - Specialist chainsaw gloves.
 - Trousers or chaps suitable for chainsaw use (they contain a clogging material which stops the chain if cut).
 - Safety boots with toe and shin protection.
 - Close fitting hi-visibility jacket.
-



CAUTION: NO PPE WILL OFFER 100% PROTECTION AGAINST CHAINSAW CUTS ESPECIALLY IF THE CHAINSAW IS USED IN A DANGEROUS MANNER.

CONNECTING TO THE POWER SUPPLY

To prevent strain on the cable during use:

1. Make a small loop in the power cable.
2. Put the loop through the hole in the handle and on the hook shown.
3. Slowly pull the loop back to remove the slack.
4. Connect the plug to a power socket.



NOTE: We strongly recommend that this machine is connected to the mains supply via a Residual Current Device (RCD).

THE CHAIN BRAKE

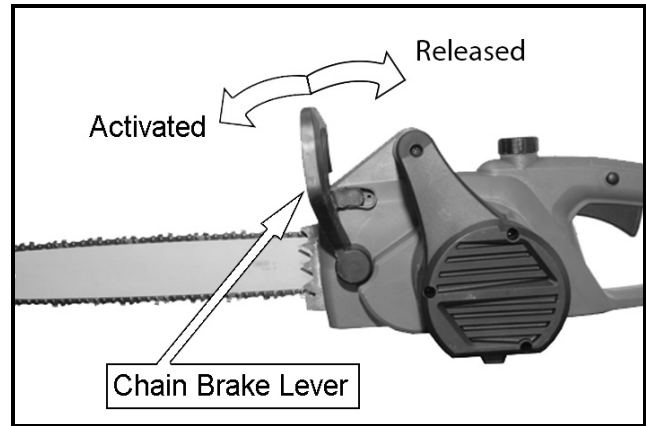


CAUTION: THE CHAIN BRAKE HAS BEEN DESIGNED TO REDUCE THE POSSIBILITY OF INJURY IF KICKBACK OCCURS. HOWEVER, IT CANNOT BE RELIED UPON TO PROTECT YOU AGAINST INJURY IF THE CHAINSAW IS USED CARELESSLY. TAKE GREAT CARE WHEN CUTTING, AND ALWAYS TEST THE CHAIN BRAKE BEFORE USING THE CHAINSAW.

During kickback, the chain brake lever will hit the back or your wrist/ lower arm, activating the chain brake.

When the brake is activated the chain will stop.

- The chain brake is **released** (the chain can move) when the chain brake lever is pulled back towards the handle.
- The brake is **activated** (chain is stopped) when the chain brake lever pushed forward away from the handle.



Release the chain brake by pulling the chain brake lever back towards the handle.

CHAIN BRAKE TEST



WARNING: BEFORE OPERATING THIS CHAINSAW, ALWAYS CHECK THAT THE CHAIN BRAKE IS IN PERFECT WORKING CONDITION.

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

1. Pull the chain brake lever towards the front handle to release the chain brake.
2. Make sure that the saw chain is not touching anything and connect it to the power supply.
3. Hold the chainsaw with the left hand on front handle and your right hand on rear handle.
4. Press and hold the trigger lock button and squeeze the trigger to switch the chainsaw on.

5. While the motor is running, activate the chain brake by moving your left hand forward against the chain brake. The saw chain and motor should stop immediately.

NOTE: The motor will not start if the chain brake is in the engaged position.



WARNING: IF THE SAW CHAIN AND MOTOR FAIL TO STOP WHEN THE CHAIN BRAKE IS ENGAGED, TAKE THE CHAINSAW TO THE NEAREST AUTHORISED DEALER OR SERVICE CENTRE! DO NOT USE THE CHAINSAW IF THE CHAIN BRAKE IS NOT WORKING PROPERLY!

THE CHAIN BRAKE SHOULD NOT BE USED FOR STARTING AND STOPPING THE CHAINSAW DURING NORMAL OPERATION!

SWITCHING ON/OFF

1. Make sure that the oil tank has been filled with oil.
2. Make sure the chain brake is in the released position.
3. Hold the chainsaw with left hand on front handle and right hand on rear handle.
 - Use a firm and proper grip when holding the handle, your finger and thumbs should encircle the handles.
 - Keep your body to the left of the blade at all times.



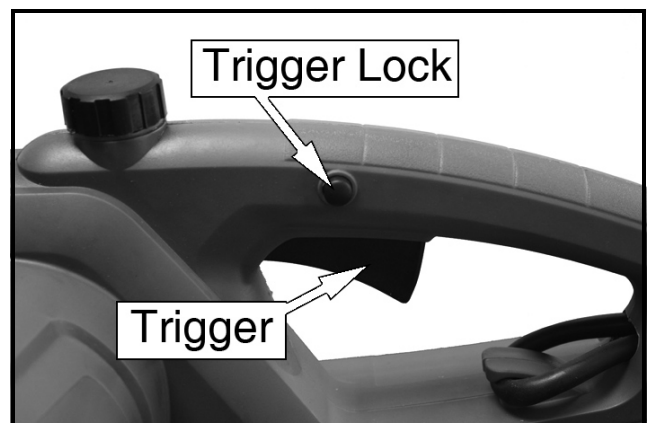
WARNING: DO NOT USE THE CHAIN BRAKE LEVER AS A HANDLE.

WARNING: NEVER USE A LEFT HANDED (CROSS-HANDED) GRIP OR ANY GRIP THAT PLACES YOUR BODY OR ARM ACROSS THE CUTTING LINE.

4. Start the chainsaw by pushing the trigger lock button with your thumb and squeezing the trigger switch.

NOTE: Check the blade tension after every 15 minutes of use.

5. Release the trigger to switch the chainsaw off.



CHAIN TENSION



WARNING: ALWAYS DISCONNECT THE CHAINSAW FROM THE POWER SUPPLY BEFORE ADJUSTING THE BLADE TENSION.

WARNING: THE CUTTING EDGES OF THE SAW CHAIN ARE SHARP. ALWAYS WEAR PROTECTIVE GLOVES WHEN HANDLING THE CHAIN.

WARNING: ALWAYS MAINTAIN CORRECT BLADE TENSION TO REDUCE THE RISK OF KICKBACK, A LOOSE CHAIN MAY JUMP OUT OF THE CHAIN BAR GROOVE AND INJURE THE OPERATOR OR DAMAGE THE CHAINSAW.

WARNING: MAKE SURE THAT YOU HAVE READ AND UNDERSTOOD ALL OF THE SAFETY WARNINGS BEFORE CONTINUING WITH THIS SECTION.

Correct chain tension is extremely important and must always be checked before starting work.

When using the chainsaw for the first time (or after replacing the chain) the tension should be checked regularly, as a new chain will stretch after several cuts.

If the chain is too loose or too tight, the sprocket, bar and chain will wear more rapidly. The tension should be sufficient to keep the chain snug on the bar, but loose enough to allow the chain to be pulled around by hand. Taking time to adjust the chain tension correctly will result in improved cutting performance and prolonged chain life.

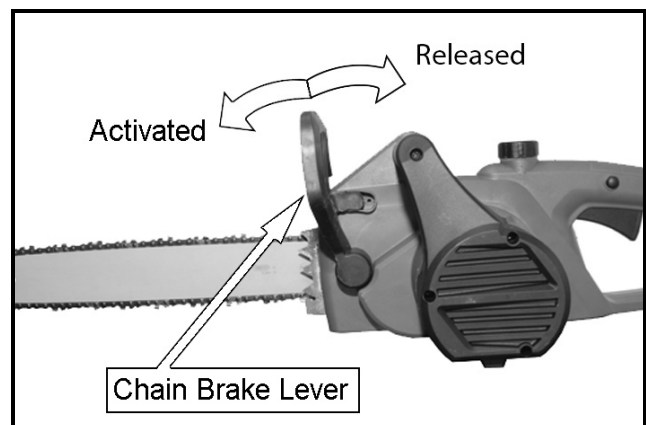
ADJUSTING THE CHAIN TENSION



WARNING: ALWAYS WEAR PROTECTIVE GLOVES WHEN ADJUSTING THE CHAIN TENSION.

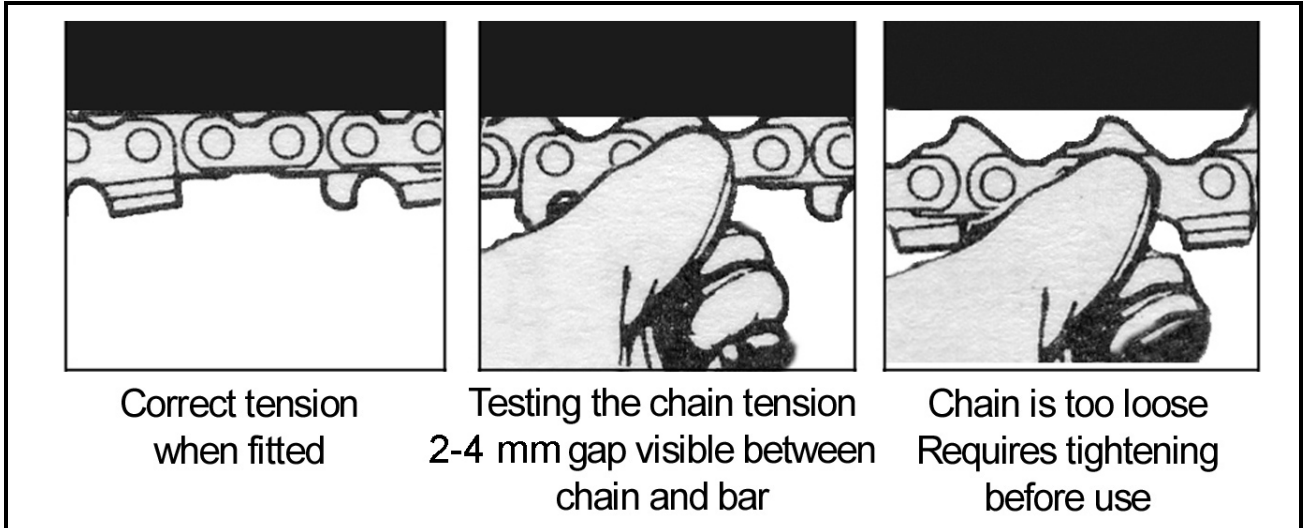
WARNING: NEVER CHECK OR ADJUST THE CHAIN TENSION WHEN THE CHAINSAW IS CONNECTED TO THE MAINS SUPPLY.

1. Ensure the chain brake lever is in the **released** position (pulled back towards the handle).



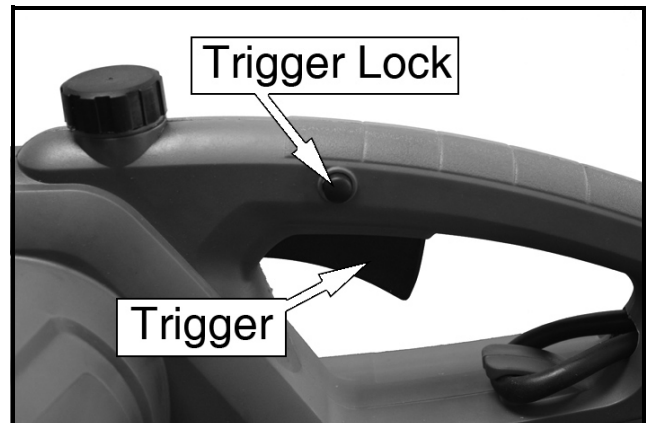
2. Loosen the housing cover by slightly rotating the cover locking screw, (do not remove). See diagram.
3. Use the blade tensioning wheel to adjust the tension of the chain.

- Turn the blade tensioning wheel clockwise to increase the tension.
 - Turn the blade tensioning wheel anticlockwise to decrease the tension.
4. Pull the chain gently downwards at the centre of the bar. The chain is correctly adjusted when gentle pulling only results in it moving 2-4 mm away from the chain bar. See centre diagram below.



5. When the chain tension is correct, re-tighten the cover locking screw securely.
6. Finally, push and hold the trigger lock and squeeze the trigger, whilst holding the trigger, pull the chain around the bar by hand - it should fit snugly around the bar and move freely and smoothly.

NOTE: If the chain binds or is difficult to rotate by hand, too much tension has been applied. Repeat steps 2 to 6, turning the blade tensioning wheel anticlockwise slightly to reduce the tension.



FELLING, LIMBING AND BUCKING



WARNING: WHEN BUCKING AND FELLING OPERATIONS ARE BEING PERFORMED BY TWO OR MORE PERSONS AT THE SAME TIME, THE FELLING OPERATIONS SHOULD BE SEPARATED FROM THE BUCKING OPERATION BY A DISTANCE OF AT LEAST TWICE THE HEIGHT OF THE TREE BEING FELLED.



WARNING: DO NOT CUT DOWN A TREE DURING HIGH OR CHANGING WINDS OR IF THERE IS A DANGER TO PROPERTY. DO NOT CUT DOWN A TREE IF THERE IS A RISK OF STRIKING PHONE OR POWER LINES.



WARNING: MAKE SURE THE DANGER ZONE IS IDENTIFIED & ACCESS IS RESTRICTED FOR ONLOOKERS.

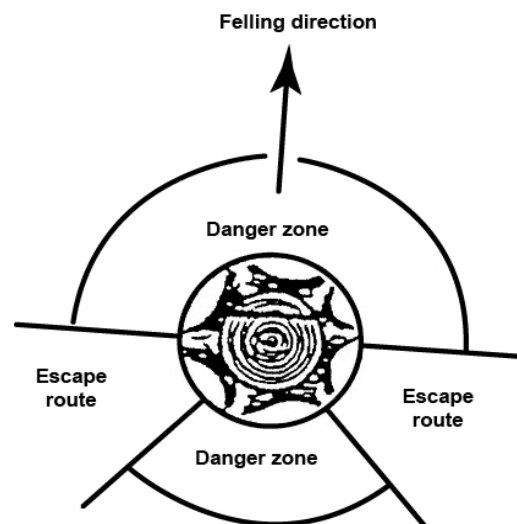


CAUTION: BEFORE FELLING A TREE, MAKE SURE THAT THERE ARE NO LOCAL BY-LAWS OR RESTRICTIONS THAT APPLY.

ESCAPE PATH

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.

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.



FELLING A TREE

Trees should not be felled in a manner that would endanger any person, strike any electrical utility line or cause any property damage. If the tree does make contact with any utility line, the utility company should be notified immediately.

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

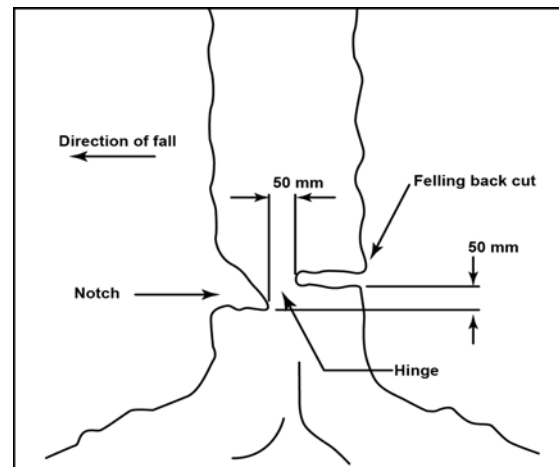
NOTCHING UNDERCUT

Make the notch 1/3 the diameter of the tree, perpendicular to the direction of fall as illustrated.

Make the lower horizontal notching cut first. This will help to avoid pinching either the saw chain or the guide bar when the second notch is being made.

FELLING BACK CUT

Make the felling back cut at least 50 mm higher than the horizontal notching cut as illustrated.



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.

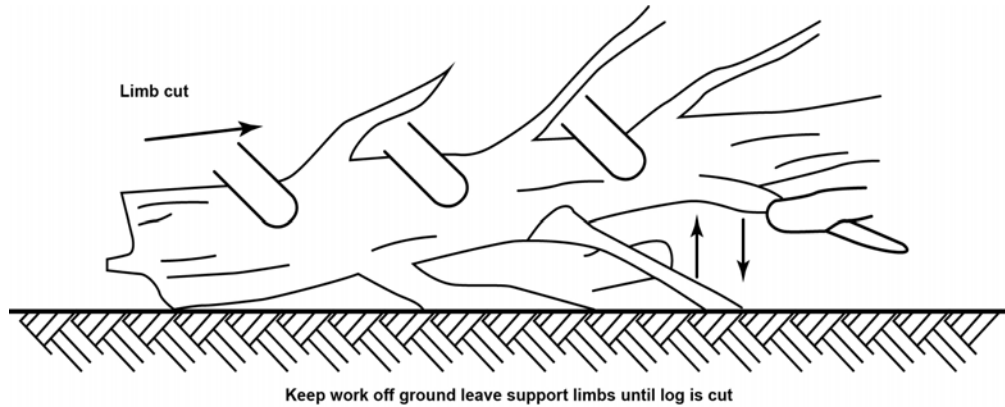
As the felling gets close to the hinge, the tree should begin to fall. If there is any chance that the tree may not fall in desired direction or it may rock back and bind the saw chain, stop cutting before the felling back cut is complete and use wedges of wood, plastic or aluminium to open the cut and drop the tree along the desired line of fall.

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

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 below.



Branches under tension should be cut from the bottom up to avoid binding the chainsaw.



WARNING: DO NOT REMOVE ANY BRANCHES THAT ARE SUPPORTING THE TRUNK. THE TRUNK SHOULD BE CAREFULLY ROLLED AND SUPPORTED BEFORE ANY SUPPORTING BRANCHES ARE REMOVED.



WARNING: MAKE SURE THAT THE TREE TRUNK IS SAFELY SUPPORTED BEFORE LIMBING.



WARNING: DO NOT STAND ON THE TREE TRUNK WHILE LIMBING.

BUCKING A LOG

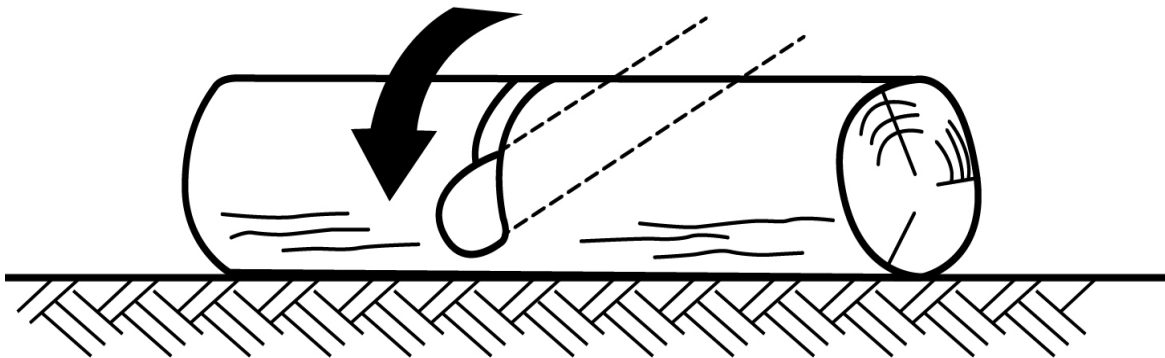
Bucking is cutting a log into lengths.

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.

SUPPORTED ALONG ITS ENTIRE LENGTH

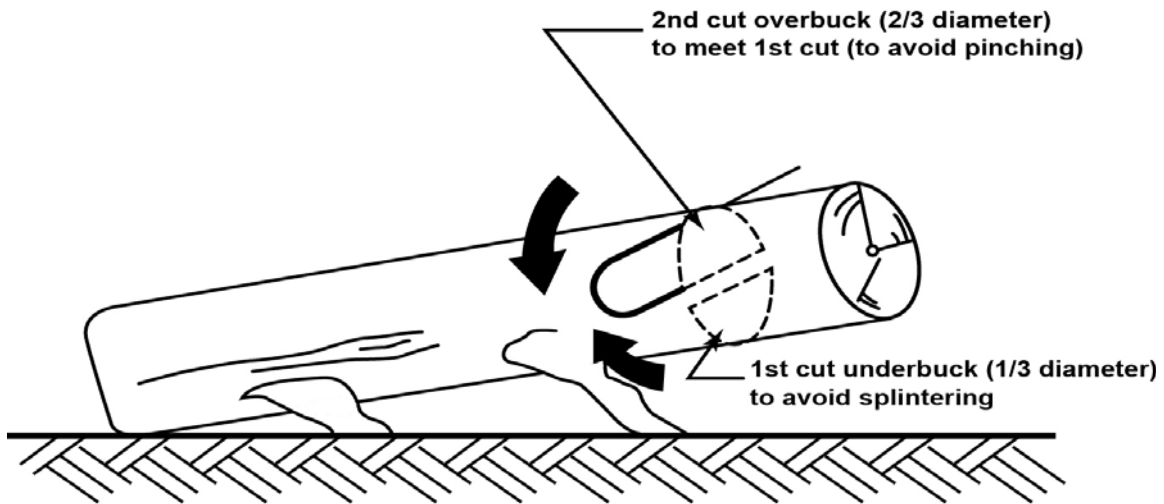
When the log is supported along its entire length as illustrated below, it is cut from the top (overbuck).

Cut from top (overbuck) avoid cutting earth



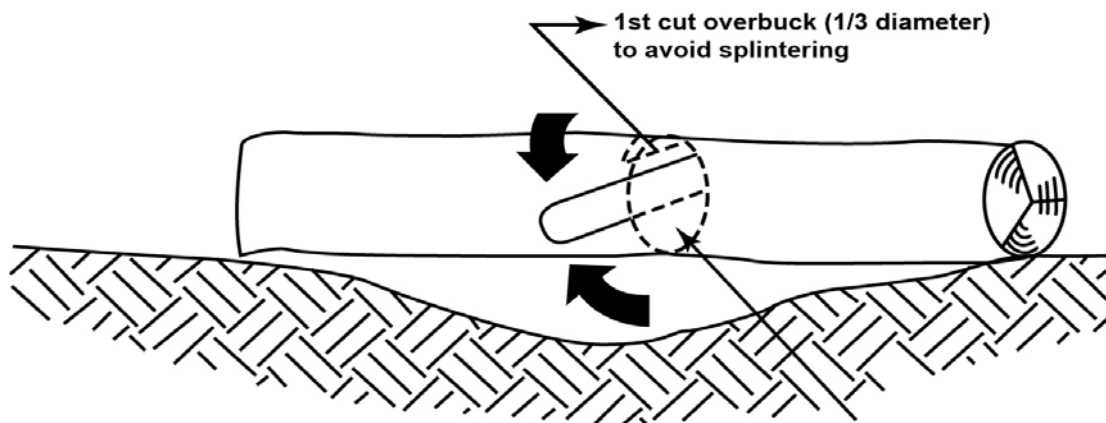
SUPPORTED ON ONE END

When the log is supported on one end, as illustrated below, cut 1/3 the diameter from the underside (underbuck). Then make the finished cut by overbucking to meet the first cut.



SUPPORTED ON BOTH ENDS

When the log is supported on both ends, as illustrated below, cut 1/3 the diameter from the top (overbuck). Then make the finished cut by underbucking the lower 2/3 to meet the first cut.



When bucking on a slope always stand on the uphill side of the log, as illustrated below.



When "cutting through", to maintain complete control, release the cutting pressure near the end of the cut without relaxing your grip on the chainsaw handles. Don't let the chain contact the ground. After completing the cut, wait for the saw chain to stop before you move the chainsaw. Always stop the motor before moving from tree to tree.

MAINTENANCE



WARNING: ALWAYS SWITCH THE CHAINSAW OFF, DISCONNECT FROM THE POWER SUPPLY AND LET THE CHAINSAW COOL DOWN BEFORE PERFORMING INSPECTION, MAINTENANCE AND CLEANING WORK!

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



WARNING: ONLY PERFORM REPAIRS AND MAINTENANCE WORK ACCORDING TO THESE INSTRUCTIONS! ALL FURTHER WORK MUST BE PERFORMED BY A QUALIFIED SPECIALIST.

CLEANING

1. Clean the chainsaw with a dry cloth. Use a brush for areas that are hard to reach.
2. In particular clean the air vents after every use with a cloth and brush.
3. Remove stubborn dirt with compressed air.

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

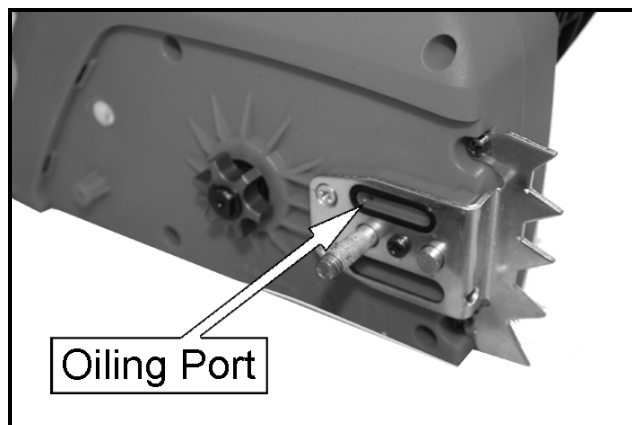
4. Check for worn or damaged parts. Replace worn parts as necessary or contact an authorised service centre for repair before using the chainsaw again.
5. Before and after each use, check the chainsaw and accessories (or attachments) for wear and damage. Check for worn or damaged parts. Replace worn parts as necessary before using the chainsaw again.

GUIDE BAR AND CHAIN MAINTENANCE

If the guide bar is insufficiently lubricated and the chainsaw is operated with a saw chain which is too tight, this will contribute to rapid bar wear. To help minimise bar wear, maintenance of the guide bar as well as the saw chain is recommended.

1. Disassemble the chain bar and saw chain See "Attaching the Chain bar and chain" on page 11.
2. Check the oiling port for clogging and clean if necessary.

NOTE: The condition of the oil passages can be easily checked. If the passages are clear, the chain will automatically give off a spray of oil within seconds of the chainsaw starting.



3. Check the drive sprocket. Have it replaced by an authorised service centre or a similarly qualified person.
4. Clear residue from the rails on the guide bar with a proper tool like a putty knife.
5. Check the guide bar 'rail' for wear, if the guide bar 'rail' is worn replace it with a new one of the same type.
6. Check the chain for possible wear and damage. Replace it with a new one if required.
7. Refit the chain and the guide bar.

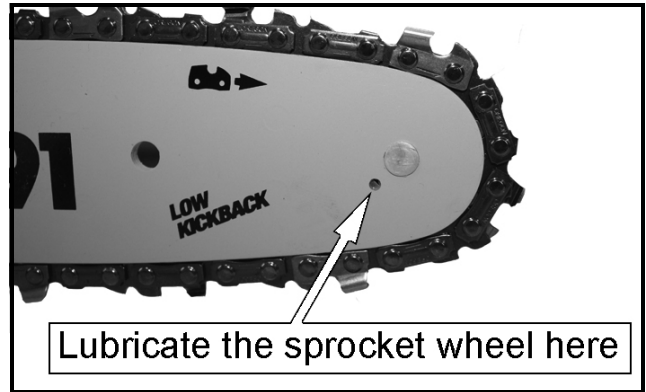
BAR TURNING

1. After approximately 5 hours use, the bar should be turned 180 degrees, to ensure even wear on the top and bottom of the bar.
2. The bar rails should be cleaned every time the bar is turned, or the chain is removed. Using a suitable implement, clear any debris from the bar rails. This will keep the oil passages open and provide correct lubrication to the bar and chain.

LUBRICATE THE SPROCKET

It is not necessary to remove the chain to lubricate the sprocket.

1. Lubricate the sprocket wheel.
2. Rotate the saw chain until the entire sprocket has been lubricated.



POWER CABLE

If the supply cable is damaged, it must be replaced by the manufacturer or similarly qualified persons in order to avoid a hazard.

SPARE PARTS/REPLACEMENT PARTS

Contact the CLARKE parts/service department on for replacement parts.

REPAIR

This chainsaw does not contain any parts that can be repaired by the consumer. Contact the CLARKE parts/service department on 0208 988 7400 to have it checked and repaired.

STORAGE

- Switch the chainsaw off and disconnect it from the power supply.
- Clean the chainsaw as described on page 22.
- Store the chainsaw and its accessories in a dry, frost-free, well-ventilated place.
- Always store the chainsaw in a place that is inaccessible to children. The ideal storage temperature is between 10 °C and 30 °C.
- We recommend using the original package for storage or covering the chainsaw with a suitable cloth or enclosure to protect it against dust.

TRANSPORTATION

- Switch the chainsaw off and disconnect it from the power supply.
- Attach the chain scabbard.
- Always carry the chainsaw by its handles.
- Protect the chainsaw from any heavy impact or strong vibrations which may occur during transportation in vehicles.
- Secure the chainsaw to prevent it from slipping or falling over.

POPULAR ACCESSORIES

The following accessories are available from you local Clarke dealer:

PERSONAL PROTECTIVE EQUIPMENT

A wide range of Personal Protective Equipment suitable for use when using a chainsaw.

CHAINSAW OIL

1 Litre (Part number 3050865)

CHAINSAW CHAIN SHARPENER

ECSS-2 Electric Chainsaw Sharpener (Part Number 3402077). Ideal for fast accurate sharpening of all common chain types and sizes.

REPLACEMENT PARTS

Contact the CLARKE parts department on 0208 988 7400 for suitable replacement parts.

DECLARATION OF CONFORMITY - UKCA

UK
CA

Clarke[®]
INTERNATIONAL
Hemnal Street, Epping, Essex, CM16 4LG

DECLARATION OF CONFORMITY

This is an important document and should be retained.

Product Description:

Electric Chainsaw

Model number(s):

CECS405C

Serial / batch Number:

N/A

Date of Issue:

17/05/2021

Approval Body:

N/A

Technical Documentation Holder:

A.R. Pond

Clarke International

2a Strubland Road

London, E10 7RB

UK

Conformity Assessment Procedure:

to 2000/14/EC Annex V

Manufacturer:

Clarke International

Noise Related Value:

2.0 kW

Measured Sound Power Level:

105 dB

Guaranteed Sound Power Level:

107 dB

UKCA/CECS405 Electric chainsaw DOC(r=0)

Page 1 of 2

UK
CA

Clarke[®]
INTERNATIONAL
Hemnal Street, Epping, Essex, CM16 4LG

DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following statutory requirements:

Electromagnetic Compatibility Regulations 2016

Supply of Machinery (Safety) Regulations 2008

The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

The Non-Road Mobile Machinery (Type Approval and Emission of Gaseous and Particulate Pollutants) Regulations 2018

The following standards have been applied to the product(s):

EN 60745-1:2009 +A11:2010, EN 60745-2-13:2009 +A1:2010, EN 55014-1:2017,

EN 55014-2:2015, EN 61000-3-2:2014, EN 61000-3-11:2000.

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned legislation has been compiled and is available for inspection by the relevant enforcement authorities.

This product was placed onto the market: 2012

Signed:



A.A. Clarke
Director

UKCA/CECS405 Electric chainsaw DOC(r=0)

Page 2 of 2

DECLARATION OF CONFORMITY - CE



Clarke[®]
INTERNATIONAL

Fitzwilliam Hall, Fitzwilliam Place, Dublin 2

DECLARATION OF CONFORMITY

This is an important document and should be retained.

Product Description: Electric Chainsaw
Model number(s): CECS405C
Serial / batch Number: N/A
Date of Issue: 17/05/2021
(Noise Conformity)
Notified Body: N/A

Technical Documentation Holder: A.R. Pond
Clarke International
2a Shrubland Road
London, E10 7RB
UK

Conformity Assessment Procedure: to 2000/14/EC Annex V
Manufacturer: Clarke International
Noise Related Value: 2.0 kW
Measured Sound Power Level: 105 dB
Guaranteed Sound Power Level: 107 dB

CE CECS405 Electric chainsaw DOC(nv1)

Page 1 of 2



Clarke[®]
INTERNATIONAL

Fitzwilliam Hall, Fitzwilliam Place, Dublin 2

DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following directive(s):
2014/30/EU *Electromagnetic Compatibility Directive,*
2006/42/EC *Machinery Directive,*
2011/65/EU *Restriction of Hazardous Substances, (amended by 2015/863),*
2000/14/EC *Noise Emissions Directive, (amended by 2005/88/EC).*

The following standards have been applied to the product(s):
EN 60745-1:2009 +A11:2010, EN 60745-2-13:2009 +A1:2010, EN 55014-1:2017,
EN 55014-2:2015, EN 61000-3-2:2014, EN 61000-3-11:2000.

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned directive(s) has been compiled and is available for inspection by the relevant enforcement authorities.

The CE mark was first applied in: 2012

Signed:

J.A. Clarke
Director

CE CECS405 Electric chainsaw DOC(nv1)

Page 2 of 2

A SELECTION FROM THE VAST RANGE OF

Clarke®

QUALITY PRODUCTS



AIR COMPRESSORS
From DIY to industrial, Plus air tools, spray guns and accessories.

GENERATORS
Prime duty or emergency standby for business, home and leisure.

POWER WASHERS
Hot and cold, electric and engine driven - we have what you need

WELDERS

Mig, Arc, Tig and Spot.
From DIY to auto/industrial.

METALWORKING
Drills, grinders and saws for DIY and professional use.

WOODWORKING
Saws, sanders, lathes, mortisers and dust extraction.

HYDRAULICS
Cranes, body repair kits, transmission jacks for all types of workshop use.

WATER PUMPS
Submersible, electric and engine driven for DIY, agriculture and industry.

POWERTOOLS
Angle grinders, cordless drill sets, saws and sanders.

STARTERS/CHARGERS
All sizes for car and commercial use.



PARTS & SERVICE: 0208 988 7400

Parts Enquiries
Parts@clarkeinternational.com

Servicing & Technical Enquiries
Service@clarkeinternational.com

SALES: UK 01992 565333 or Export 00 44 (0)1992 565335

Clarke® INTERNATIONAL Hemnall Street, Epping, Essex CM16 4LG
www.clarkeinternational.com