

POWERBASE

12cm 20V Cordless
Mini Chainsaw 638713

Instruction Manual

IMPORTANT!
Please read these
instructions fully before
starting assembly.



These instructions contain important information that will help you get the best from your product, ensuring it is assembled correctly and safely. If you need help or have damaged or missing parts, call the Customer Helpline on 01904 727 509.

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Safety Information

Please read these instructions fully before operating or maintaining your machine.

Description of symbols

The following warning symbols appear throughout this manual and indicate the appropriate safety measures you should take when operating and maintaining the electric cordless chainsaw.



To reduce the risk of injury, please read the instruction handbook before operating this machine.



WARNING! 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 safety helmet



Wear dust mask



Wear protective gloves



Wear safety footwear



Keep bystanders away.
Thrown objects can cause serious injury.



Disconnect the battery pack before any repair or maintenance.



Guaranteed sound power level in 90dB in accordance with in Directive 2000/14/EC.



Do not expose or operate the tool in rain.



DANGER! Beware of kickback.



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



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



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



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



Tip contact can cause the guide bar to move suddenly upward and backward which can cause serious injury.



Rotation direction of mini chainsaw.

Warning symbols on the charger



Read instruction handbook before operating this machine.



The charger is for indoor use only.



Class II equipment



Pole orientation



T/3.15A

Fuse T/3.15A



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

Warning symbols on the battery pack



Batteries contain Li-ion. Do not dispose of waste batteries in domestic waste. Contact your local authority to find out how to dispose of batteries.



Do not throw in water.



Do not throw on fire.



Do not subject the battery to strong sunlight over long periods and do not leave it on a heater (max. 45°C).

Safety Information

Please read these instructions fully before operating or maintaining your machine.

General safety



WARNING! Read all safety warnings, illustrations and specifications provided with this power tool. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference.

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

Work area safety

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

Electrical safety

- **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adaptor plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce the risk of

electric shocks.

- **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shocks. If your body is earthed or grounded.
- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shocks.
- **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 shocks.
- **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** When using a cord suitable for outdoor use, this will reduce the risk of electric shocks.
- **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

Personal safety

- **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- **Use personal protective equipment (PPE).**

Always wear eye protection. Protective equipment, such as a dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

- **Prevent unintentional starting. Ensure the switch is in the ‘off’ position before connecting to a power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- **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.
- **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.
- **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.

- **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.

Power tool use and care

- **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
- **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.
- **Disconnect the plug from the power source and/or the battery pack from the power tool, before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- **Store idle power tools out of the reach of children, and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- **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.
- **Keep cutting tools sharp and clean.**

Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

- **Use the power tool, accessories and tool bits, etc., in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended, could result in a hazardous situation.
- **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.

Battery tool use and care

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

seek medical help. Liquid ejected from the battery may cause irritation or burns.

- **Do not use a battery pack or tool that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.
- **Do not expose a battery pack or tool to fire or excessive temperature.** Exposure to fire or temperature above 130 °C may cause an explosion.
- **Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions.** Charging improperly or at temperatures outside the specified range, may damage the battery and increase the risk of fire.

Service

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

Never service damaged battery packs.

Service of battery packs should only be performed by the manufacturer or authorised service providers.

Additional Safety Instructions for Batteries and Chargers

Safety warnings for the battery pack




WARNING! Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shocks, fire and/or serious injury.

Save all warnings and instructions for future reference.

- Do not dismantle, open or shred cells on battery pack.
- Do not short-circuit a battery pack. Do not store battery packs haphazardly in a box or drawer where they may short circuit each other or be short-circuited by conductive materials. When the battery pack is not in use, keep it away from other metallic objects, like paper clips, coins, keys, nails, screws or other small metal objects that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- Do not expose battery packs to heat or fire. Avoid storage in direct sunlight.
- Do not subject battery packs to mechanical shock.
- In the event of the battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
- Seek medical advice immediately if a cell or battery pack has been swallowed.
- Keep the battery pack clean and dry.

- Wipe the battery pack terminals with a clean dry cloth if they become dirty.
- Battery packs need to be charged before use. Always refer to this instruction manual and use the correct charging procedure.
- Whilst the battery pack is being charged, refrain from any maintenance.
- After extended periods of storage, it may be necessary to charge and discharge the battery pack several times to obtain maximum performance.
- The battery pack gives its best performance when it is operated at normal room temperature ($20^{\circ}\text{C} \pm 5^{\circ}\text{C}$).
- When disposing of battery packs, keep battery packs of different electrochemical systems separate from each other.
- Recharge only with the charger specified by the manufacturer. Do not use any charger other than that specifically provided for use with the equipment. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- Do not use any battery pack which is not designed for use with the equipment.
- Keep the battery pack out of the reach of children.
- Retain the original product literature for future reference.
- Remove the battery from the equipment when not in use.
- Dispose of the battery properly.

Safety warnings for the battery charger

 **WARNING!** Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in an electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

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

Additional Safety Instructions for your Battery and Charger

- Before charging, read the instructions.
- After charging, disconnect the battery and charger from the mains supply. Then remove the chassis connection and then the battery connection.
- Do not charge a leaking battery.
- Do not use chargers for purposes in which they are not designed for.
- Before charging, ensure your charger is matching the local AC supply.
- Charge the battery indoors and only use in dry conditions.

- The charging device must be protected from moisture.
- Do not use the charging device in the open.
- Shorting the battery terminals together may cause burns or a fire.
- Respect the polarity “+/-“ when charging.
- Do not open the unit and keep out of the reach of children.
- Do not charge the batteries of other manufacturers or ill-suited models.
- Ensure that the connection between the battery charger and battery is correctly positioned and is not obstructed by foreign bodies.
- Ensure the slot for the batter charger is clear and unobstructed. Store in a dry and frost-free place to protect against dirt and humidity.
- When charging batteries, ensure that the battery charger is in a well-ventilated area and away from flammable materials. Batteries can heat up quickly whilst charging. Ensure that batteries and chargers are not left unsupervised during charging.
- Do not recharge non-rechargeable batteries, as they can overheat and break.
- Longer life and better performance can be obtained if the battery pack is charged when the air temperature is between 18°C and 24°C. Do not charge the battery pack in air temperatures below 0°C, or above 45°C. This is important as it can prevent serious damage to the battery pack.

- Charge only the battery pack of the same model provided by the manufacturer, and those of models recommended by the manufacturer.

Cordless chainsaw safety warnings

- Keep all parts of the body away from the saw chain when the chainsaw is operating. Before you start the chainsaw, make sure the chainsaw is not contacting anything. A moment of inattention while operating chainsaws may cause entanglement of your clothing or body with the saw chain.
- 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 personal injury and should never be done.
- Wear safety glasses for protection. Further protective equipment for hearing, head, hands, legs and feet is recommended. Adequate protective clothing will reduce personal injury by flying debris or accidental contact with the chainsaw.
- Do not operate a chainsaw in a tree, on a ladder, from a rooftop, or any unstable support. Operation of a chainsaw in this manner could result in serious personal injury.
- Always keep proper footing and operate the chainsaw only when standing on a fixed, secure and level surface. Slippery or unstable surfaces, may cause a loss of balance or control of the Chainsaw.

- 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.
- Use extreme caution when cutting brush and saplings. The slender material may catch the chainsaw and be whipped toward you or pull you off balance.
- 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 chainsaw.
- Follow instructions for lubricating, chain tensioning and changing. Improperly tensioned or lubricated chain may either break or increase the chance for kickback.
- Keep handles dry, clean, and free from oil and grease. Greasy, oily handles are slippery causing loss of control.
- Cut wood only. Do not use chainsaw for purposes not intended. For example, do not use chainsaw for cutting metal, plastic masonry or non-wood building materials. Use of the chainsaw for operations different than intended, could result in a hazardous situation.
- Hold the chainsaw by insulated gripping surfaces only, because the saw chain may contact hidden wiring. Saw chains contacting a live wire may make exposed metal parts of the power tool live and could give the operator an electric shock.

- This chainsaw is not intended for tree felling. Use of the chainsaw for operations different than intended could result in serious injury to the operator or bystanders.
- Follow all instructions when clearing jammed material, storing or servicing the chainsaw. Make sure the switch is off and the battery pack is removed. Unexpected actuation of the chainsaw while clearing jammed material or servicing, may result in serious personal injury.

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 chainsaw in the cut.

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

Pinching the chainsaw 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:

- 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.
- Only use replacement bars and chains specified by the manufacturer. Incorrect replacement bars and chains may cause chain breakage and/or kickback.
- Follow the manufacturer's sharpening and maintenance instructions for the chainsaw. Decreasing the depth gauge height can lead to increased kickback.
- Maintain a firm grip, with thumbs and fingers encircling the chainsaw handles, with both hands on the saw. Then 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.



WARNING!

Residual risks

Even when the tool is used as prescribed it is not possible to eliminate all residual risk factors. The following hazards may arise in connection with the tool's construction and design:

- Damage to lungs if an effective dust mask is not worn.
- Damage to hearing if effective hearing protection is not worn.
- Health defects resulting from vibration emission if the appliance is being used over longer periods of time or not adequately managed and properly maintained.



WARNING! This machine produces an electromagnetic field during operation. This field may under some circumstances interfere with active or passive medical implants. To reduce the risk of serious or fatal injury, we recommend persons with medical implants consult their physician, and the medical implant manufacturer before operating this machine.

Intended use

This cordless chainsaw is designed for cutting only wood and branches, up to a diameter corresponding to the length of the chainsaw guide bar. The product is not designed for any other types of application (e. g. cutting of brickwork, plastic or food).

The product is to be used by adults. Children under the age of 16 may not use the tool, except under supervision.

Any other use or modification of the product is considered improper use and can result in hazards, such as death, life-threatening injuries and damage. The manufacturer is not liable for any damages caused by improper use. The product is not intended for commercial use or for any other use.

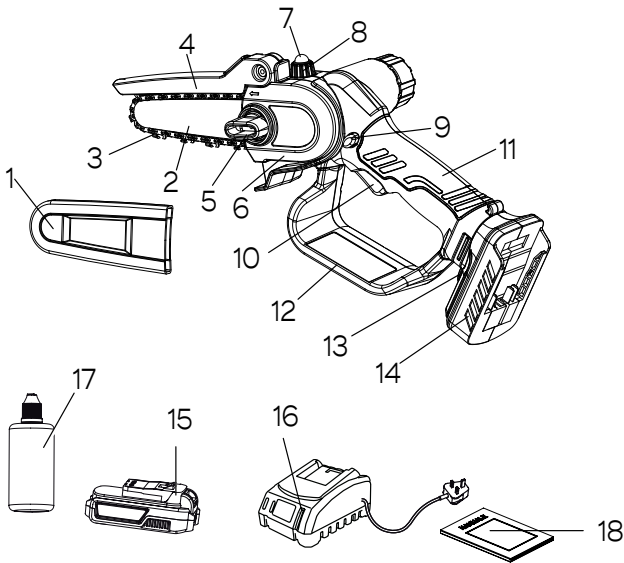
Do not use and store the power tool in rain or wet conditions.

Observe all applicable local safety regulations, standards and ordinances. The use of noise emitting power tools may be restricted to certain times by national or local regulations.

In the Box

Parts

- | | | | |
|---|-----------------|----|---------------------------|
| 1 | Blade cover | 10 | On/off switch |
| 2 | Guide bar | 11 | Handle |
| 3 | Saw chain | 12 | Hand guard |
| 4 | Guard | 13 | Socket lock button |
| 5 | Tension wheel | 14 | Battery connecting socket |
| 6 | Sprocket cover | 15 | Battery pack |
| 7 | Compression cap | 16 | Charger |
| 8 | Oil cap | 17 | Lubrication oil |
| 9 | Lock-off button | 18 | Manual |



If there are any parts missing, please call the customer helpline on
01904 727 509

Assembly



WARNING! Do not install the battery pack before it has been completely assembled. Always use gloves when handling the chain.

Unpacking

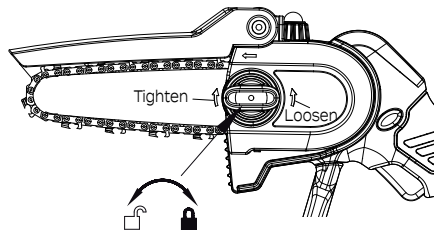
1. Remove all packing materials and shipping devices, if applicable.
2. Unpack all parts and lay them on a flat and stable surface.
3. Make sure the delivery contents are complete and free of any damage. If you find that parts are missing or show damage, do not use the product. Contact the aftersales service within 28 days of purchase. Using an incomplete or damaged product represents a hazard to people and property.
4. Ensure that you have all the accessories and tools needed for assembly and operation. This also includes suitable personal protective equipment.

Checking the chain tension



NOTE: The chain and bar have already been assembled on the machine when you get it out of box. If disassembling the chain and bar for replacement, please read the maintenance part in this manual for details.

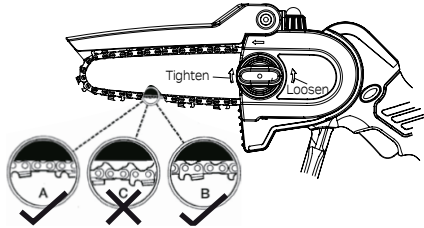
Proper tension of the chain is extremely important and must be checked before starting, as well as during, any cutting operation. Taking the time to make required adjustments to the chainsaw will result in improved cutting performance and prolonged chain life.



NOTE: New saw chains will stretch. Check the chain tension frequently when first used and tighten when the Chain becomes loose around the Guide Bar.



CAUTION: If the saw chain is TOO LOOSE or TOO TIGHT, the V-drive wheel, chain bar, chain and crank shaft bearing will suffer premature wear. Below Fig. shows the correct tension A (when cold) and tension B (when warm). Fig. C shows a chain that is too loose.



Chain tension



WARNING! Remove battery from chainsaw before servicing. Severe injury or death could occur from body contact with a moving chain.



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

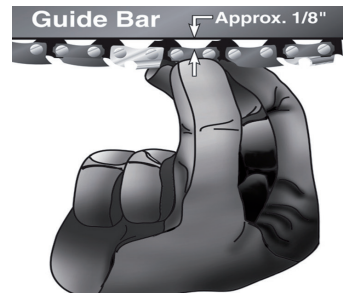


WARNING! When cleaning saw body, follow the below instructions:

- Do not submerge saw in any liquids.
- Do not use products that contain ammonia, chlorine or abrasives.
- Do not use chlorinated cleaning solvents, carbon tetrachloride, kerosene or gasoline.

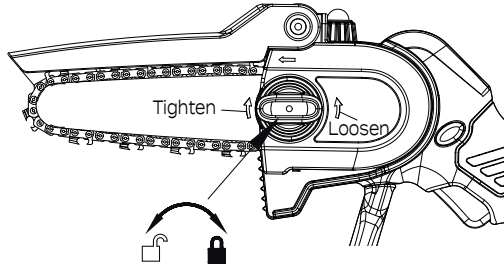
Note: The saw chain tension is properly set at the factory. Check new chain tension frequently (after disconnecting battery) during the first 10 cutting operations. Allow chain to cool down. Follow steps below to check saw chain tension.

1. Remove battery pack from the saw.
2. Place chainsaw on a firm surface to check chain tension.
3. Pull chain with light force 1/8" away from the bottom of the guide bar and release. If the chain lightly snaps back into place, the tension is correct. A slight sag (1/16" or less) between the chain and the bottom of the guide bar is acceptable.



Saw Chain Tension Adjustment

1. Remove the battery pack and wear the protective gloves.
2. Place the chainsaw on any suitable flat surface.
3. Adjust the chain tension, turn the tension wheel clockwise to tighten.

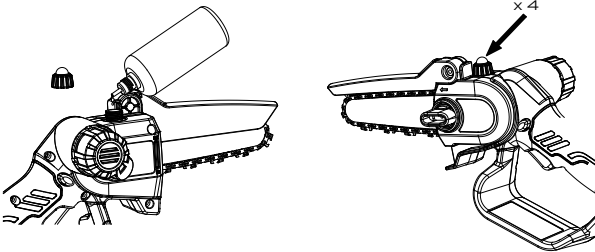


Filling oil tank



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

- i. Take off the oil cap and put the lubrication oil into the oil tank until the oil level up to the 'MAX.' line.
- ii. Attach the oil cap and press the compression cap continuously for 3-4 times before first use. During the operation, press the cap for 1 or 2 times after every 5 cuts, to make sure the the chain is being continuously lubricated.



WARNING! Remove the battery pack before filling the oil tank.



NOTE: Chain life and cutting capacity depend on optimum lubrication. Therefore, the chain should be oiled before operation.



NOTE: Do not use force when installing the battery pack. If the battery pack does not slide in easily, it is not being inserted correctly.

Charging the battery

WARNING!



The charger and battery pack are specifically designed to work together, so do not attempt to use any other devices. Never insert or allow metallic objects into your charger or battery pack connections; an electrical failure and hazard will occur.

The battery needs to be charged before first use and whenever it fails to produce sufficient power on jobs that were easily done before.



WARNING! NEVER LEAVE THE BATTERY AND CHARGER UNATTENDED WHEN CHARGING THE BATTERY.

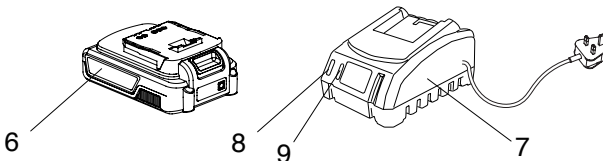
This product comes with a lithium-ion battery pack. Lithium-ion batteries don't lose charge when not in use, and don't lose charging capacity over time. Nevertheless, it is best practice to charge the battery when empty or insufficient to do the job.

The charging procedure



WARNING! The battery cannot be charged immediately after use, it should cool down for 30 minutes. The LED light (8) switching from green to red means it is being charged.

1. Connect the charger (7) to a power supply. The left red light (8) will illuminate.
2. Slide the battery pack into the charger, make sure the battery pack (6) is fully seated in position. The left red right is on and the right green light (9) is flashing to indicate the charging is on-going.
3. When charging is complete, the left light is off and the right green light is on.
4. Once the battery is fully charged, disconnect the charger from the mains and remove the battery pack from the charger.



Important charging notes

Longest life and best performance can be obtained if the battery pack is charged when the air temperature is between 18-24°C. Do not charge the battery pack in a very low or very high air temperature. This is important and will prevent serious damage to the battery pack.

When using your tool continuously, the batteries in your battery pack will become hot. You should let a hot battery pack cool down for approximately 30 minutes before attempting to recharge.

The charger and battery pack may become warm to touch while charging. This is a normal condition and does not indicate a problem.

Use the charger at normal room temperatures whenever possible. To prevent overheating, do not cover the charger and do not charge battery packs in direct sunlight or near heat sources.

If the battery pack does not charge properly:

1. Check the mains socket by plugging in a lamp or other appliance.
2. Move the charger and battery pack to a location where the surrounding air temperature is approximately 18-24°C.
3. If charging problems persist, take or send the tool, battery pack and charger to your local service centre.

The battery pack should be recharged when it fails to produce sufficient power on jobs which were easily done before. **DO NOT CONTINUE** to use under these conditions. Follow the charging procedure. You may also charge a partially used pack whenever you desire, with no adverse effect on the battery pack.

Under certain conditions, with the charger plugged in to the power supply, the exposed charging contacts inside the charger can be shorted by foreign material. Foreign materials of a conductive nature, such as, but not limited to, steel wool, aluminium foil, or any build-up of metallic particles, should be kept away from charger cavities. Always unplug the charger from the power supply when there is no battery pack in the cavity. Unplug the charger before attempting to clean it.

Do not immerse the charger in water or any other liquid.



WARNING! Don't allow any liquid to get inside the charger; electric shock may result. To facilitate the cooling of the battery pack after use, avoid placing the charger or battery pack in a warm environment, such as in a metal shed or an un-insulated trailer.



WARNING! Never attempt to open the battery pack for any reason. If the plastic housing of the battery pack breaks or cracks, return it to a service centre for recycling; do not put it into further use.

Removing or installing the battery pack



WARNING!

Always release the on/off trigger before insertion or removal of the battery pack.



WARNING! Verify that the switch is in the OFF position before inserting or removing the battery pack.

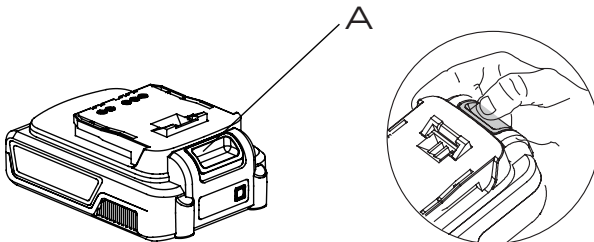


WARNING! Verify that the battery pack is removed and the switch is in the OFF position before inspecting, adjusting or performing maintenance on any part of the chainsaw.



WARNING! Read, understand and follow the instructions contained in the section titled 'Charging procedure'.

To remove the battery pack: Depress button (A) on the end of the battery pack, and then remove the pack from the tool.



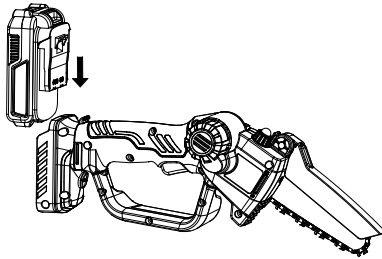
Install the battery pack: Align the ribs on both sides of the battery pack with the slots in the housing, and slip it into place. Always insert it all the way until it locks in place with a click sound. If not, it may accidentally fall out of the tool, causing injury to you or someone around you.

Operation

Starting the chainsaw

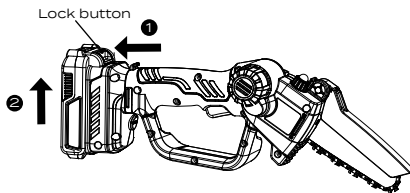
Installing the battery pack

1. Keep the battery pack in line with the holder on the device.
2. Push it forward until it reaches the bottom. Before starting, make sure the battery pack is firmly locked in place.



Removing the battery from the product

1. Press the battery pack lock button downward.
2. Pull the battery pack towards the operator, then remove it.

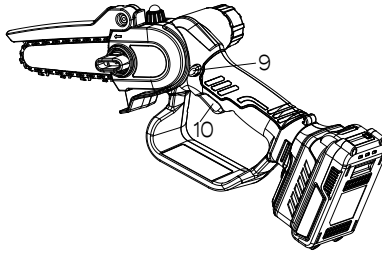


Attention! The battery cannot be charged immediately after use, it should be left to cool down for a period of time (min. 30 minutes). The LED lights on the charger switching from green to red mean the battery can be charged.

Switching on/off

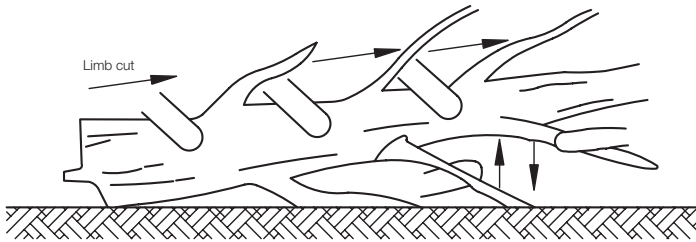
NOTE: Hold the chainsaw away from yourself using both hands. Stand in a secure and stable position.

1. Push the Lock-off button (9) and press the on/off switch (10) to turn the product.
2. Release the on/off switch (10) to turn the product off.



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.



Bucking a log



WARNING! Avoid kickback. Kickback can result in severe injury or death. See 'Kickback' section to avoid risk of kickback.

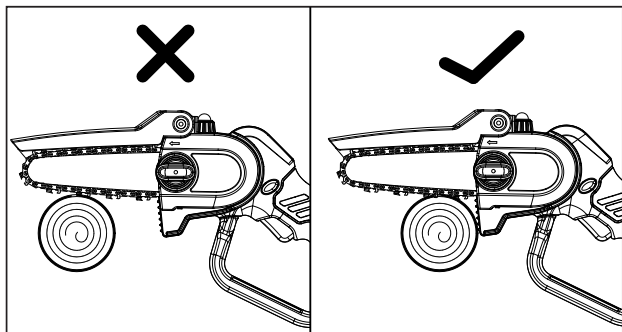
WARNING!

- If on a slope, make sure the log will not roll down hill. Secure the log by using wooden stakes.
- Drive wooden stakes into ground on downhill side of the log. Stand on the uphill side of the log while cutting. The log may roll after cutting.
- Never try cutting through two logs at same time. This could increase the risk of kickback.
- While cutting the log, never hold the log with your hand, leg or foot.
- While cutting the log, never allow another person to hold the log.
- Turn off and unplug chainsaw before moving from one place to another.

Bucking a log is cutting a log into sections. Make sure your footing is firm. Keep feet apart. Divide your weight evenly on both feet. When possible, raise the log or section off the ground. Do this by using limbs, logs, chocks, etc.

When cutting through the log, maintain control by reducing the cutting pressure near the end of the cut. Do not relax your grip on the chainsaw handles. Do not let the moving chain touch the ground. Ground will dull moving chain. After cutting through the log, release the trigger to turn the chainsaw off before moving it.

Follow directions below to buck a log.



Maintenance

Preventative maintenance



CAUTION: Place the switch in the OFF position and remove the battery pack before the appliance is serviced, cleaned, or maintenance is performed.

1. Keep the air intake clean and air vents free of debris to avoid overheating the motor.
2. Clean with a damp sponge and mild soap. Do not squirt with a water hose or douse with water or other liquids.
3. Inspect the saws chain for proper tension before each use and frequently during cutting.
4. Clean the guide bar and bar pad to ensure a free path for oil.
5. Turn the bar over after each use to achieve even wear.



NOTE: No motor lubrication is necessary. The motor is equipped with lifetime lubricated bearings.



NOTE: If the chainsaw does not operate, turn the switch to the OFF position and remove the battery pack first. Do not attempt to repair it yourself.

Bar/chain maintenance



WARNING! Before servicing the saw, make sure that the battery pack is removed.

Proper maintenance of the bar/chain, as explained here, is essential to keep your saw in good working order.



WARNING! Failure to lubricate the reversing star will result in poor performance and jamming, and will void the warranty.

CAUTION: Failure to lubricate the guide bar sprocket tip, as explained below, will result in poor performance and seizure, voiding the warranty.

Lubrication of the sprocket tip is recommended after each saw use. Always thoroughly clean the guide bar sprocket tip before lubrication.

To lubricate sprocket tip:



WARNING! Wear heavy-duty work gloves when performing this application to reduce risk of personal injury.

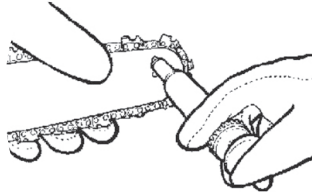
1. Remove the battery pack from the chainsaw.



NOTE: It is not necessary to remove the chainsaw to lubricate the guide bar sprocket tip. Lubrication can be done on the job.

2. Clean the guide bar sprocket tip.

3. Using a disposable lube gun insert the needle nose into the lubrication hole and inject grease until it appears at the outside edge of the sprocket tip.



4. Turn the chain by hand. Repeat this procedure until the entire deflection star is greased.

Guide bar maintenance

Most guide bar problems can be prevented merely by keeping the chainsaw well maintained.

Incorrect filing and non-uniform cutter and depth gauge settings cause most guide bar problems, primarily resulting in uneven bar wear. As the bar wears unevenly, the rails widen, which may cause chain clatter and difficulty in making straight cuts.

Insufficient guide bar lubrication and operating the saw with a chain that is TOO TIGHT will contribute to rapid bar wear (see Section CHAIN MAINTENANCE INSTRUCTIONS).

To help minimise bar wear, the following guide bar maintenance is recommended:

GUIDE BAR - The bar should be reversed every 8 working hours to ensure uniform wear. Keep the bar groove and lubrication hole clean using the bar groove cleaner supplied (optional).



BAR WEAR - Turn guide bar frequently at regular intervals (for example, after 8 hours of use), to ensure even wear on top and bottom of the bar.

BAR GROOVES - Bar grooves (or rails which support and carry the chain) should be cleaned if the saw has been heavily used or if the saw chain appears dirty. Rails should always be cleaned every time the saw chain is removed.

OIL PASSAGES - Oil passages at the bar pad should be cleaned to ensure proper lubrication of the bar and chain during operation. This can be done using a soft wire small enough to insert into the oil discharge hole.

What is a low kickback saw chain?

A low kickback saw chain is a chain which has met the kickback performance requirements of ISO 9518. By keeping and saw chain in good working condition and correctly serviced as recommended in this manual, you will be able to maintain the safety system of your chainsaw over the life of the product.



WARNING! Never remove, modify or make inoperative any safety device furnished with your unit. The chain brakes/hand guard and low-kickback sawchain are major safety features provided for your protection.



WARNING! Always wear heavy-duty protection work gloves, and disconnect the battery pack when working on the saw chain.

Chain maintenance

Chain tension:

Check the chain tension frequently and adjust as often as necessary to keep the chain snug on the bar, but loose enough to be pulled around by hand. (See section Saw Chain Tension Adjustment).

Breaking in a new saw chain:

A new chain and bar will need readjusting after as few as 5 cuts. This is normal during the break-in period, and the interval between future adjustments will begin to lengthen quickly.

Over a period of time, however, the moving parts of the saw chain will become worn, resulting in what is called CHAIN STRETCH. This is normal. When it is no longer possible to obtain correct chain tension adjustment, a link will have to be removed to shorten the chain.



WARNING! Never have more than 3 links removed from a loop of chains, as this could cause damage to the sprocket.

Chain lubrication:

Always make sure the oiler system is working properly. Keep the oil tank filled with chain, bar and sprocket oil.

Adequate lubrication of the bar and chain during cutting operations is essential to minimise friction with the guide bar.

Never starve the bar and chain of lubricating oil. Running the saw dry or with too little oil will decrease rapid cutting efficiency, shorten saw chain life, cause rapid dulling of the chain, and lead to excessive wear of the bar from overheating. Too little oil is evidenced by smoke or bar discoloration.

Replace the chain

IMPORTANT: Do not clamp chainsaw in a vise to replace the saw chain or guide bar.

Replace the chain when the cutters are too worn to sharpen or when the chain breaks. Only use replacement chain noted in this manual. Always include new drive sprocket when replacing the chain. This will maintain proper driving of the chain. (Note: For proper chain and drive sprocket, see Parts List.)

1. Loosen tension wheel.
2. Remove sprocket cover and tension wheel.
3. Remove saw chain.
4. Place new chain around the guide bar, along the top groove of the guide bar, and around the guide bar nose.

Note: Make sure cutting edges of the chain are facing in the right direction: The chain cutting edges on top of the guide bar face the guide bar nose.

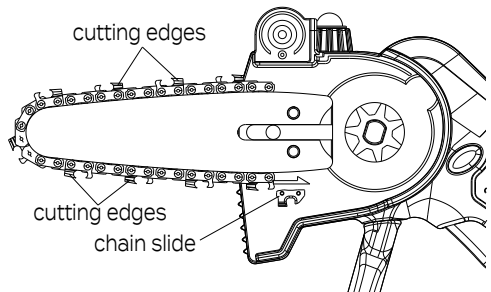
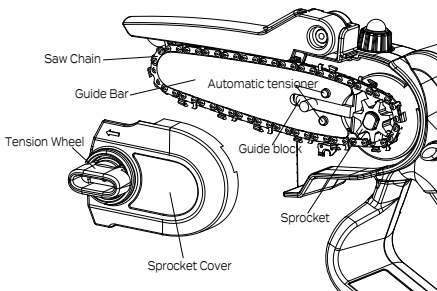
5. Put the guide bar with the new saw chain into the automatic tensioner, and push backward along the guide block, then put the saw chain into the sprocket and flatten the guide bar.

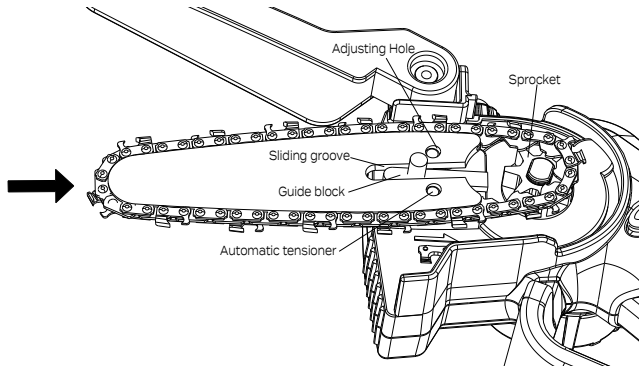
Warning: When replacing saw chains you must remove the battery pack from the chainsaw and wear protective gloves. Severe injury or death could occur from body contact with a moving chain.

6. Place sprocket cover into positioning groove.
7. Lock the sprocket cover with tension wheel. (**IMPORTANT:** Securely tighten tension wheel.)



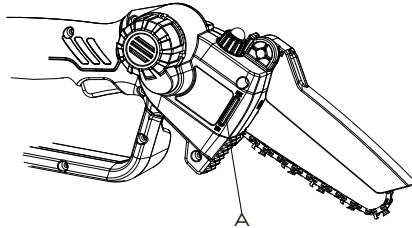
CAUTION: Do not place chain in the wrong direction. If wrong, saw will vibrate badly and will not cut.





Chain and bar lubrication

Adequate lubrication of the chain during cutting operations is essential to minimise friction with the guide bar. Your saw is equipped with an hand priming pump oiler system. The oiler, through priming the compression cap, delivers the proper amount of oil to the bar and chain. The oil tank level can be checked in the oil inspection window (A) provided on the right side of the saw. The tank is full when oil is at the top of the slot.



CAUTION: Never starve the bar and chain of lubrication oil. Running the saw DRY or with TOO LITTLE OIL will decrease cutting efficiency, shorten chain life, and cause rapid dulling of the chain and excessive wear of the bar from overheating. Too little is evidenced by smoke or bar discoloration.





NOTE: The chain stretches during use, particularly when it is new, and occasional adjustment will be needed. A new chain requires more frequent adjustment during the break-in period. This is normal. See section chain Tension Adjustment instructions.


Troubleshooting

Problem	Possible cause	Solution
Product does not start	<ul style="list-style-type: none"> • Battery pack not properly attached • Battery pack is discharged • Battery pack is damaged • Other electrical defect to the product 	<ul style="list-style-type: none"> • Attach properly • Remove and charge the battery pack • Check by a specialist electrician • Check by a specialist electrician
Product does not reach full power	<ul style="list-style-type: none"> • Battery pack capacity too low • Air vents are blocked 	<ul style="list-style-type: none"> • Remove and charge the battery pack • Clean the air vents
Unsatisfactory result	<ul style="list-style-type: none"> • Accessory is worn • Accessory not suitable for intended operation 	<ul style="list-style-type: none"> • Replace with a new one • Use suitable accessory
Product suddenly stops	<ul style="list-style-type: none"> • Product overloaded • Battery pack discharged • Battery pack too hot 	<ul style="list-style-type: none"> • Remove the product from the workpiece and switch it on again • Remove and charge the battery pack • Remove the battery pack and let it cool down
Excessive vibration or noise	<ul style="list-style-type: none"> • Accessory is dull/damaged • Bolts/nuts are loose 	<ul style="list-style-type: none"> • Replace with a new one • Tighten bolts/nuts

Technical Data

Model No.	ET2008HB
Voltage	20V  Max.
Chain speed	6m/s
Chain pitch	1/4"
Number of chain drive links	32
Chain gauge	0.043"
Bar model	DC5-43XE
Chain model	EONK2-32DL
Bar length	127mm(5")
Net weight	1.96kg
Oil tank capacity	120ml
Vibrations	< 2.5m/s ² , K=1.5m/s ²

Charger	
Model no.	BOQ-SP06-20ZB
Input voltage & power	220-240V AC, 50/60Hz 65W
Output voltage & current	20V  , 2.4A

Battery pack	
Model no.	BOP-SP07-20-ZJ
Battery voltage	20V  , Li-ion
Battery capacity	2.5Ah

Part Number	Accessories
ABBIO11002	Bar
ABBIO11001	Chain

Technical Data

Noise emission value:

Noise measurement value determined in accordance with EN 62841.

The A-rated noise level of the power tool is typically as follows:

Sound pressure level L_{pA} : 75.9dB(A)

Uncertainty $k= 3$ dB(A)

Sound power level L_{WA} : 86.9dB(A)

Uncertainty $k= 3$ dB(A)

Guaranteed sound power level L_{WA} : 90dB(A)

The vibration level varies in accordance with the use of the power tool and may, in some cases, be higher than the value specified in these instructions. There is a risk of under-estimation of the vibration load, if the power tool is used regularly in this manner. Try to keep the vibration loads as low as possible. Measures to reduce the vibration load are, for example, wearing gloves and limiting the working time (e.g. times when the power tool is switched off and times where the power tool is switched on, but running without load).



NOTE:

The vibration level specified in these instructions has been measured in accordance with a standardised measuring procedure specified in EN 62841 and can be used to make equipment comparisons. The specified vibration emission value can also be used to make an initial exposure estimate.



WARNING! This equipment may cause Hand-Arm Vibration Syndrome (HAVS) if its use is not adequately monitored and managed.

Preventative measures include, among others, regular maintenance and care of the product and cutting attachments, keeping hands warm and periodical breaks, as well as proper planning of work processes.

Disposal

The chainsaw and its accessories are made of various recyclable materials. Dispose of the chainsaw in accordance with your local recycling regulations.

Getting help

Our dedicated UK-based customer helpline is open 7 days a week to assist you with assembly, parts queries and technical support. We are open during office hours but you can always send an email via **support@coreservice.co.uk**. Our experts are here to get you back enjoying your garden in no time.

For useful assembly, starting and maintenance videos, and for ordering spares, please visit **www.coreservice.co.uk**.

Using our service does not affect your statutory rights.

Warranty

This product is covered by a 3 year warranty.

The warranty covers any manufacturing defect in materials, workmanship and finish.

Any claim under this warranty must be made by going to your nearest Homebase store, taking your proof of purchase with you, and claims must be made within 3 years of the date of purchase.

We will offer you a free repair of the item where this is possible, or a replacement or a refund. Your statutory rights remain unaffected, in particular, any rights you may have under the Consumer Rights Act 2015.

This warranty is given by HHGL Limited, MK9 1BA; HHGL (ROI) Limited, DO2 X576.

Please note: This warranty does not apply to products misused or neglected and only covers domestic use. The warranty period for the battery pack and charger is 1 year.