Bäumr-AG®



BC3 Chainsaw

User Manual

[Revision 1.0]

READ THIS MANUAL CAREFULLY BEFORE USE – FAILURE TO DO SO MAY RESULT IN INJURY, PROPERTY DAMAGE AND MAY VOID WARRANTY. • KEEP THIS MANUAL FOR FUTURE REFERENCE. • Products covered by this manual may vary in appearance, assembly, inclusions, specifications, description, and packaging.

THE BATTERY MAY HAVE SOME CHARGE ON ARRIVAL, IT IS IMPORTANT HOWEVER THAT THE BATTERY IS CHARGED PRIOR TO USE.

Safety

Safety messages are designed to alert you to possible dangers or hazards that could cause death, injury or equipment or property damage if not understood or followed. Safety messages have the following symbols:



You WILL be KILLED or SERIOUSLY INJURED if you do not follow instructions.



You CAN be KILLED or SERIOUSLY INJURED if you do not follow instructions.



You CAN be INJURED if you do not follow instructions or equipment damage may occur.

It is vital that you read and understand this user manual before using the product, including safety warnings, and any assembly and operating instructions. Keep the manual for future reference.

Safety precautions and recommendations detailed here must be fully understood and followed to reduce the risk of injury, fire, explosion, electrical hazard, and/or property damage.

Safety information presented here is generic in nature – some advice may not be applicable to every product. The term "equipment" refers to the product, be it electrical mains powered, battery powered or combustion engine powered.

- **Before Use** - If you are not familiar with the safe operation/handling of the equipment or are in any way unsure of any aspect of suitability or correct use for your application, you should complete training conducted by a person or organization qualified in safe use and operation of this equipment, including fuel/electrical handling and safety.
- Do NOT operate the equipment in flammable or explosive environments, such as in the presence of flammable liquids, gases, or dust. The equipment may create sparks or heat that may ignite flammable substances.
- Keep clear of moving parts.
- Equipment may be a potential source of electric shock or injury if misused.
- Do NOT operate the equipment if it is damaged, malfunctioning or is in an excessively worn state.
- Do NOT allow others to use the equipment unless they have read this manual and are adequately trained.
- Keep packaging away from children - risk of suffocation! Operators must use the equipment correctly. When using the equipment, consider conditions and pay due care to persons and property.

General Work Area Safety

- Work areas should be clean and well it.
- Do not operate the equipment if bystanders, animals etc are within operating range of the equipment or the general work area.
- If devices are provided for connecting dust extraction / collection facilities, ensure these are connected and used properly. Dust collection can reduce dust-related hazards.

General Personal Safety

- Wear appropriate protective equipment when operating, servicing, or when in the operating area of the equipment to help protect from eye and ear injury, poisoning, burns, cutting and crush injuries. Protective equipment such as safety goggles, respirators, non-slip safety footwear, hard hat, hearing protection etc should be used for appropriate equipment / conditions. Other people nearby should also wear appropriate personal protective equipment. Do not wear loose clothing or jewellery, which can be caught in moving parts. Keep hair and clothing away from the equipment.
- Stay alert and use common sense when operating the equipment. Do not over-reach. Always maintain secure footing and balance.
- Do not use the equipment if tired or under the influence of drugs, alcohol, or medication.
- This equipment is not intended for use by persons with reduced physical, sensory, or mental capabilities.

General Fuel Safety

- Petrol/fuel/gasoline is extremely flammable – keep clear of naked flames or other ignition sources.
- Do not spill fuel. If you spill fuel, wipe it off the equipment immediately – if fuel gets on your clothing, change clothing.
- Do NOT smoke near fuel or when refuelling.
- Always shut off the engine before refuelling.
- Do NOT refuel a hot engine.
- Open the fuel cap carefully to allow any pressure build-up in the tank to release slowly.
- Always refuel in well-ventilated areas.
- Always check for fuel leakage. If fuel leakage is found, do not start, or run the engine until all leaks are fixed.

General Carbon-Monoxide Safety

- Using a combustion engine indoors **CAN KILL IN MINUTES**. Engine exhaust contains carbon-monoxide – a poison you cannot smell or see.
- Use combustion engines OUTSIDE only, and far away from windows, doors, and vents.

General Equipment Use and Care

- Keep packaging away from children and pets, potential risk of suffocation or choking.
- The equipment is designed for domestic use only.
- Handle the equipment safely and carefully.
- Before use, inspect the equipment for misalignment or binding of moving parts, loose components, damage, or any other condition that may affect its operation. If damaged, have the equipment repaired by an authorised service centre or technician before use.
- Prevent unintentional starting of the equipment - ensure equipment and power switches are in the OFF position before connecting or moving equipment. Do not carry equipment with hands or fingers touching any controls. Remove any tools or other items that are not a part of the equipment from it before starting or switching on.
- Do not force the equipment. Use the correct equipment for your application. Equipment will perform better and be safer when used within its design and usage parameters.
- Use the equipment and accessories etc. in accordance with these instructions, considering working conditions and the work to be performed. Using the equipment for operations different from those intended could result in hazardous situations.
- Always keep equipment components (engines, hoses, handles, controls, frames, housings, guards etc) and accessories (cutting tools, nozzles, bits etc) properly maintained. Keep the equipment clean and, where applicable, properly lubricated.
- Store the equipment out of reach of children or untrained persons. To avoid burns or fire hazards, let the equipment cool completely before transporting or storing. Never place or store the equipment near flammable materials, combustible gases, or liquids etc.
- The equipment is not weather-proof, and should not be stored in direct sunlight, at high ambient temperatures or locations that are damp or humid.
- Do not clean equipment with solvents, flammable liquids, or harsh abrasives.
- For specific equipment safety use and care, see Equipment Safety.

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General Electrical Safety

- Inspect electrical equipment, extension cords, power bars, and electrical fittings for damage or wear before each use. Repair or replace damaged equipment immediately.
- Ensure all power sources conform to equipment voltage requirements and are disconnected before connecting or disconnecting equipment.
- When wiring electrically powered equipment, follow all electrical and safety codes.
- Always use a Residual Current Device (RCD) (GFCI) / Earth Leakage Circuit Breaker / Safety Switch when operating this item (electrical items only).
- High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.

General Electrical Safety

- Electrically grounded equipment must have an approved cord and plug and be connected to a grounded electrical outlet.
- Do NOT bypass the ON/OFF switch and operate equipment by connecting and disconnecting the electrical cord.
- Do NOT use equipment that has exposed wiring, damaged switches, covers or guards.
- Do NOT use electrical equipment in wet conditions or in damp locations.
- Do NOT use electrical cords to lift, move or carry equipment.
- Do NOT coil or knot electrical cords, and ensure electrical cords are not trip hazards.

General Service Information

- The equipment must be serviced or repaired at authorised service centres by qualified personnel only.
- Replacement parts must be original equipment manufacturer (OEM) to ensure equipment safety is maintained.
- Do NOT attempt any maintenance or repair work not described in this manual.
- After use, the equipment and components may still be hot – allow the equipment to cool and disconnect spark plugs and/or electrical power sources and/or batteries from it before adjusting, changing accessories, or performing repair or maintenance.
- Do NOT adjust while the equipment is running.
- Perform service-related activities in suitable conditions, such as a workshop.
- Replace worn, damaged or missing warning/safety labels immediately.

Child Choking Hazard!



- **WARNING: CHOKING HAZARD - CHILDREN UNDER 8 YRS. CAN CHOKE OR SUFFOCATE ON SMALL PARTS. ADULT SUPERVISION REQUIRED.**
- Carefully inspect anything a baby or child could gain access to, including this product & packaging.
- Dangers include anything of a size that could become stuck or lodged in a baby or child's airway.
- Dangers include things like raw, hard fruit and vegetable pieces, large pieces of meat, bones or sausage skins, popcorn, nuts, hard lollies and corn chips, small magnets and batteries, coins, beads, marbles and small uninflated balloons, broken toys and smaller toys, buttons, keys, and coins. But there are also many more.
- Pay particular attention to accessories, nuts, bolts, screws, washers, caps, covers, loose parts, parts that could be removed or break off, pieces of packaging, staples, tape etc.
- In the case of any doubt, secure the item of concern in an appropriate manner, or completely remove the possibility of access by a baby or child.

WARNING: HAZARDOUS COMPONENTS!

- **BE AWARE THAT THE EQUIPMENT MAY INCLUDE HAZARDOUS COMPONENTS, SUCH AS BLADES, HOT SURFACES AND MOVING PARTS.**
- **MOVING BLADES CAN CAUSE SERIOUS INJURY AND EVEN DEATH IF USED IMPROPERLY OR WITHOUT SUFFICIENT PPE.**
- **DO NOT USE THIS EQUIPMENT ON UNEVEN SURFACES AND ALWAYS MAINTAIN GOOD BALANCE WHEN USING THIS EQUIPMENT. FAILURE TO DO SO MAY CAUSE SERIOUS INJURY.**
- **MAINTAIN A SECURE GRIP OF THE TRIGGER ASSEMBLY AT ALL TIMES.**

READ ALL INSTRUCTIONS

- ⚠ **WARNING: SOME DUST GENERATED BY SAWING, SANDING, GRINDING, DRILLING AND OTHER CONSTRUCTION ACTIVITIES MAY CONTAIN CHEMICALS KNOWN TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. EXAMPLES INCLUDE:**
  - Lead from lead-based paints.
  - Crystalline silica from bricks, cement and other masonry products.
  - Arsenic and chromium from chemically treated timber.
- The level of risk depends on how frequently this type of work is performed. To reduce exposure, work in a well-ventilated area and use appropriate personal protective equipment (PPE), including a suitable dust mask or respirator designed to filter microscopic particles.

IMPORTANT SAFETY INSTRUCTIONS

- ⚠ **WARNING: ONLY USE ACCESSORIES SUPPLIED WITH THIS PRODUCT OR APPROVED BY THE MANUFACTURER. USING OTHER ACCESSORIES MAY INCREASE THE RISK OF INJURY. FOLLOW THE INSTRUCTIONS IN THIS MANUAL WHEN FITTING AND USING ACCESSORIES.**
- ⚠ **WARNING: SOME COMPONENTS OF THIS PRODUCT MAY CONTAIN SUBSTANCES THAT CAN BE HARMFUL IF INHALED, INGESTED OR OTHERWISE EXPOSED. AVOID UNNECESSARY CONTACT WITH DUST OR DAMAGED COMPONENTS, AND FOLLOW APPROPRIATE HANDLING AND DISPOSAL REQUIREMENTS.**
- This appliance must only be used with the power supply unit specified by the manufacturer.

GENERAL POWER TOOL SAFETY WARNINGS

- ⚠ **WARNING: READ ALL SAFETY WARNINGS, INSTRUCTIONS, ILLUSTRATIONS AND SPECIFICATIONS PROVIDED WITH THIS POWER TOOL. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN ELECTRIC SHOCK, FIRE AND/OR SERIOUS INJURY.**
- Keep 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 the work area clean and well lit. Cluttered or poorly lit areas increase the risk of accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools can create sparks that may ignite 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 adaptor plugs with earthed power tools. Unmodified plugs and matching outlets reduce the risk of electric shock.
- Avoid body contact with earthed surfaces, such as pipes, radiators, cookers and refrigerators. There is an increased risk of electric shock if your body is earthed.
- Do not expose power tools to rain or wet conditions. Water entering a power tool increases the risk of electric shock.
- Do not misuse the power cord. Never use the cord to carry, pull or unplug the power tool. Keep the cord away from heat, oil, sharp edges and moving parts. Damaged or tangled cords increase the risk of electric shock.
- When operating a power tool outdoors, use an extension lead suitable for outdoor use. Using a suitable outdoor extension lead reduces the risk of electric shock.
- If operating a power tool in a damp location is unavoidable, use a supply protected by a residual current device (RCD). 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 tired or under the influence of drugs, alcohol or medication. A moment of inattention may result in serious injury.
- Use appropriate personal protective equipment (PPE). Always wear eye protection. Protective equipment such as a dust mask, non-slip safety footwear, safety helmet and hearing protection can reduce the risk of injury when used appropriately.
- Prevent unintentional starting. Ensure the switch or trigger is in the OFF position before connecting the tool to a power source or battery pack, or before picking up or carrying the tool. Carrying a power tool with your finger on the switch or trigger may result in accidental starting.
- Remove any adjusting key or spanner before switching on the power tool. A key or spanner left attached to a moving part may cause injury.
- Do not overreach. Maintain firm footing and balance at all times. This provides better control of the power tool in unexpected situations.
- Dress appropriately. Do not wear loose clothing or jewellery. Keep hair and clothing away from moving parts. Loose clothing, jewellery or long hair can become caught in moving parts.
- If dust extraction or collection equipment is provided, ensure it is connected and used correctly. Dust collection can reduce dust-related hazards.
- Do not allow familiarity gained from frequent tool use to make you complacent or cause you to ignore safety principles. A careless action can cause serious injury in a fraction of a second.

POWER TOOL USE AND CARE

- Do not force the power tool. Use the correct power tool for the application. The correct tool will perform the job more safely and effectively at the rate for which it was designed.
- Do not use the power tool if the switch does not turn it on or 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 remove the battery pack, if detachable, before making adjustments, changing accessories or storing the power tool. These preventive safety measures reduce the risk of accidental starting.
- Store power tools that are not in use out of the reach of children. Do not allow anyone unfamiliar with the power tool or these instructions to operate it. Power tools are dangerous in the hands of untrained users.
- Maintain power tools and accessories. Check for misalignment or binding of moving parts, damaged components and any other condition that may affect 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 in accordance with these instructions, taking into account the working conditions and the work to be performed. Using the power tool for operations other than those intended may result in a hazardous situation.
- Keep handles and gripping surfaces dry, clean and free from oil and grease. Slippery handles and gripping surfaces can prevent safe handling and control of the tool in unexpected situations.

BATTERY TOOL USE AND CARE

- Recharge the battery only with the charger specified by the manufacturer. A charger suitable for one type of battery pack may create a fire risk when used with another battery pack.
- Use the power tool only with the specified battery packs. Using other battery packs may create a risk of injury or fire.
- When the battery pack is not in use, keep it away from metal objects such as paper clips, coins, keys, nails, screws and other small metal objects that could connect one terminal to another. Short-circuiting the battery terminals may cause burns or fire.
- Under abusive conditions, liquid may be ejected from the battery. Avoid contact. If accidental contact occurs, rinse the affected area with water. If the liquid contacts the eyes, rinse with water and seek medical attention. Battery liquid may cause irritation or burns.
- Do not use a battery pack or tool that is damaged or modified. Damaged or modified batteries may behave unpredictably, resulting in fire, explosion or injury.
- Do not expose the battery pack or tool to fire or excessive temperatures. Exposure to fire or temperatures above 130°C may cause an explosion.

- Follow all charging instructions. Do not charge the battery pack or tool outside the temperature range specified in these instructions. Charging incorrectly or outside the specified temperature range may damage the battery and increase the risk of fire.

SERVICE

- Have the power tool serviced by a qualified repair technician using only identical replacement parts. This helps ensure the continued safety of the power tool.
- Never service damaged battery packs. Battery packs should only be serviced by the manufacturer or an authorised service provider.

CHAINSAW SAFETY WARNINGS

- Keep all parts of your body away from the saw chain while the chainsaw is operating. Before starting the chainsaw, ensure the saw chain is not contacting anything. A moment of inattention while operating the chainsaw may cause clothing or parts of your body to become caught in 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 the opposite hand configuration increases the risk of injury and must not be done.
- Hold the power tool only by its insulated gripping surfaces, as the saw chain may contact hidden wiring. Contact with a live wire may make exposed metal parts of the power tool live and could result in electric shock.
- Wear eye and hearing protection. Additional protective equipment for the head, hands, legs and feet is recommended. Appropriate protective clothing reduces the risk of injury from flying debris or accidental contact with the saw chain.
- Do not operate a chainsaw while in a tree. Operating a chainsaw while in a tree may result in serious injury.
- Always maintain secure footing and operate the chainsaw only while standing on a fixed, stable and level surface. Slippery or unstable surfaces, such as ladders, may cause loss of balance or control of the chainsaw.
- When cutting a branch that is under tension, be alert for spring-back. When the tension in the wood fibres is released, the branch may strike the operator and/or cause loss of control of the chainsaw.
- Use extreme caution when cutting brush and saplings. Thin material may catch in the saw chain and be thrown towards you or pull you off balance.
- Carry the chainsaw by the front handle with the chainsaw switched off and held away from your body. When transporting or storing the chainsaw, always fit the guide bar cover. Proper handling reduces the risk of accidental contact with the moving saw chain.
- Follow the instructions for lubrication, chain tensioning and changing the guide bar, saw chain and other accessories. An incorrectly tensioned or lubricated saw chain may break or increase the risk of kickback.
- Keep handles dry, clean and free from oil and grease. Greasy or oily handles are slippery and may cause loss of control.
- Cut wood only. Do not use the chainsaw for purposes for which it was not designed. For example, do not use the chainsaw to cut plastic, masonry or non-wood building materials. Using the chainsaw for unintended applications may create a hazardous situation.
- Do not attempt to fell a tree unless you understand the risks involved and how to avoid them. Tree felling can cause serious injury or death to the operator or bystanders.

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 may cause a sudden reverse reaction, forcing the guide bar upwards and back towards the operator.
- Pinching the saw chain along the top of the guide bar may rapidly force the guide bar back towards the operator.
- Either reaction may cause you to lose control of the chainsaw, resulting in serious injury. Do not rely solely on the chainsaw's built-in safety devices. As a chainsaw operator, you must take appropriate precautions to reduce the risk of accidents and injury.
- Kickback is caused by tool misuse and/or incorrect operating procedures or conditions. It can be avoided by taking the following precautions:
  - Maintain a firm grip, with your thumbs and fingers wrapped around the chainsaw handles. Hold the chainsaw with both hands and position your body and arms so you can resist kickback forces. Kickback forces can be controlled if appropriate precautions are taken. Do not let go of the chainsaw.
  - Do not overreach or cut above shoulder height. This helps prevent unintended tip contact and provides better control of the chainsaw in unexpected situations.
  - Only use replacement guide bars and saw chains specified by the manufacturer. Incorrect replacement guide bars or saw chains may cause chain breakage and/or kickback.
- Follow the manufacturer's sharpening and maintenance instructions for the saw chain. Reducing the depth gauge height may increase the risk of kickback.

RESIDUAL RISKS

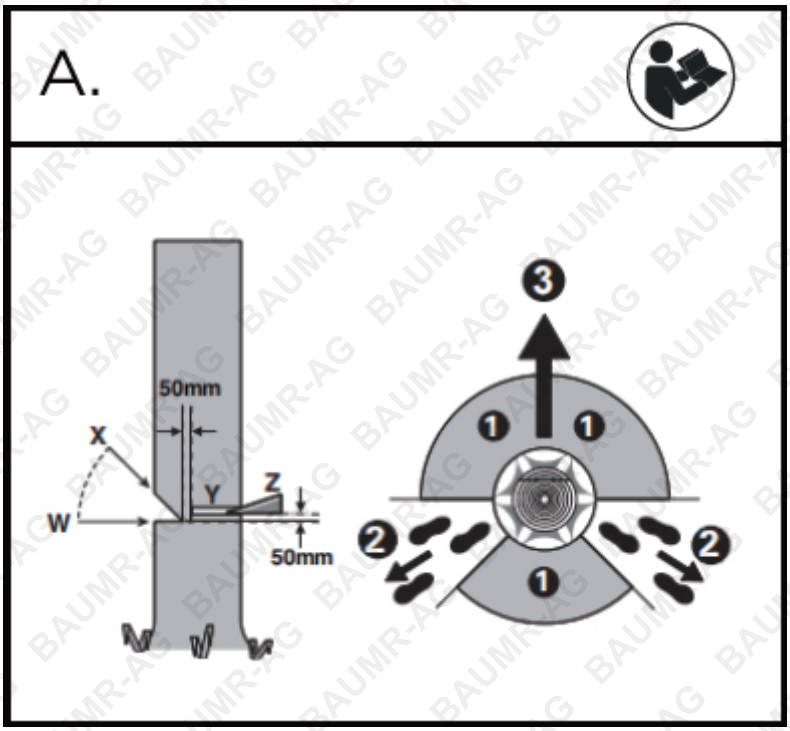
- Even when the chainsaw is used as intended, some residual risks cannot be completely eliminated.
- Depending on the design and use of the chainsaw, potential hazards may include:
  - Contact with exposed saw chain cutters.
  - Accidental contact with the rotating saw chain.
  - Sudden or unexpected movement of the guide bar.
  - Ejection of broken saw chain components.
  - Ejection of material from the workpiece.
  - Skin contact with chain oil.
  - Hearing damage if appropriate hearing protection is not worn.

SAVE THESE INSTRUCTIONS

The following instructions describe the correct techniques for basic tree felling, limbing and cross-cutting.

FELLING A TREE

- When bucking and felling operations are being carried out by two or more people at the same time, the felling operation must be separated from the bucking operation by a distance of at least twice the height of the tree being felled.
- Do not fell trees in a manner that could endanger any person, strike a power line or cause property damage.
- If the tree contacts a power line, immediately notify the relevant electricity network operator or emergency service.
- The chainsaw operator should remain on the uphill side of the terrain, as the tree may roll or slide downhill after it is felled.
- Plan and clear an escape path before cutting begins. The escape path should extend backwards and diagonally away from the expected line of fall, as shown in Figure A.



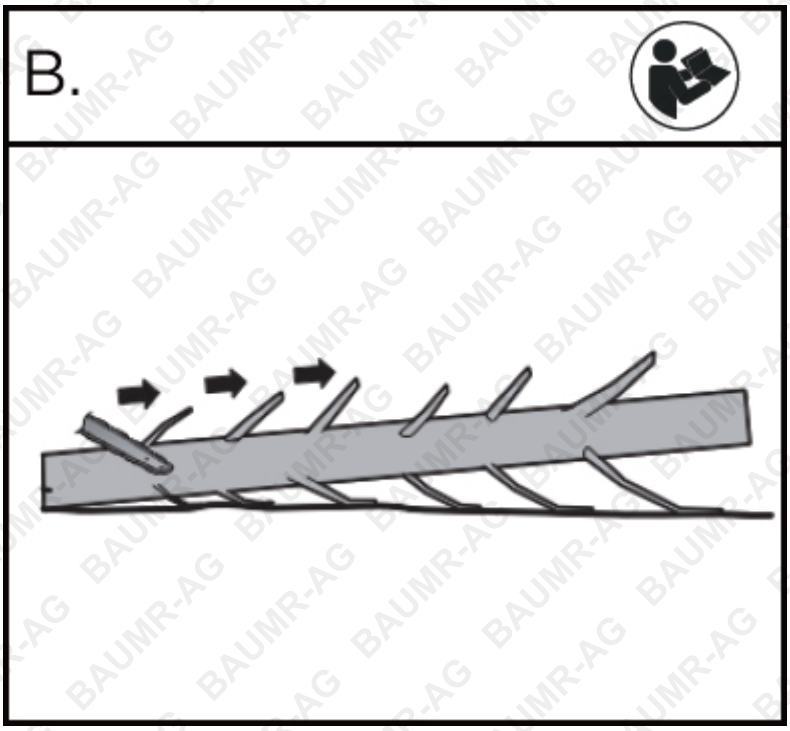
- Before felling begins, assess the natural lean of the tree, the position of larger branches and the wind direction to determine the likely direction of fall.
- Remove dirt, stones, loose bark, nails, staples, wire and other foreign objects from the tree.
- NOTCHING UNDERCUT
- Cut a notch approximately one-third of the tree's diameter on the side facing the intended direction of fall, as shown in Figure A.
- Make the lower horizontal cut (W) first. This helps prevent the saw chain or guide bar from becoming pinched when the second notch cut (X) is made.

FELLING BACK CUT

- Make the felling back cut (Y) at least 50 mm higher than the horizontal notching cut, as shown in Figure A.
- Keep the felling back cut parallel to the horizontal notching cut. Leave enough uncut wood between the notch and the back cut to act as a hinge. The hinge helps prevent the tree from twisting and falling in an unintended direction.
- Do not cut through the hinge.
- As the back cut approaches the hinge, the tree should begin to fall. If there is any chance that the tree may not fall in the intended direction, or may rock backwards and pinch the saw chain, stop cutting before the back cut is complete.
- Use wedges made of wood, plastic or aluminium (Z) to open the cut and guide the tree along the intended line of fall (D).
- When the tree begins to fall, remove the chainsaw from the cut, switch it off, place it down safely, and move away along the planned escape path (I). Remain alert for falling branches and maintain secure footing. See Figure A.

LIMBING A TREE

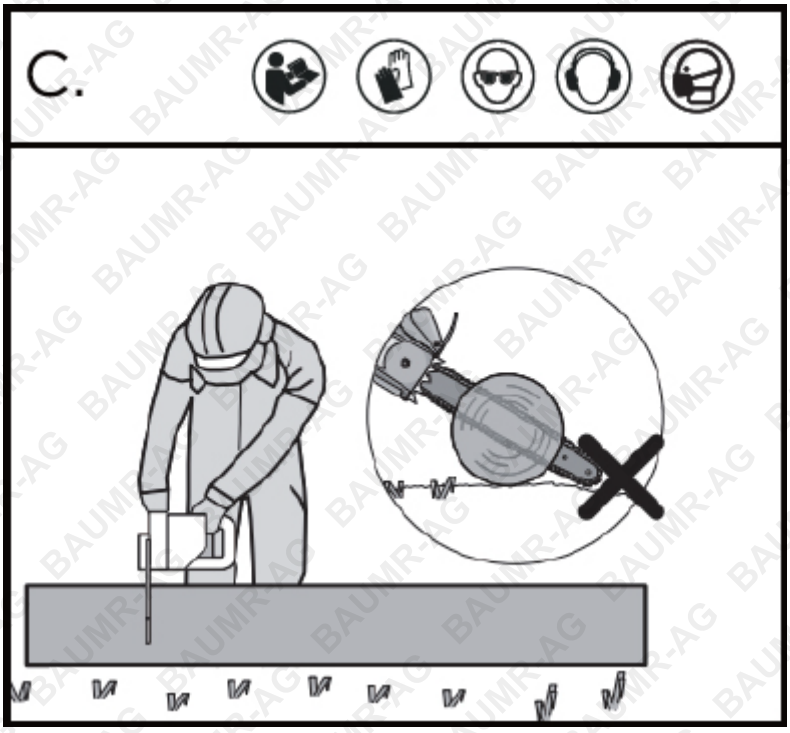
- Limbing is the removal of branches from a felled tree.
- When limbing, leave larger lower branches in place to support the trunk above the ground. Remove smaller branches in a single cut, as shown in Figure B.



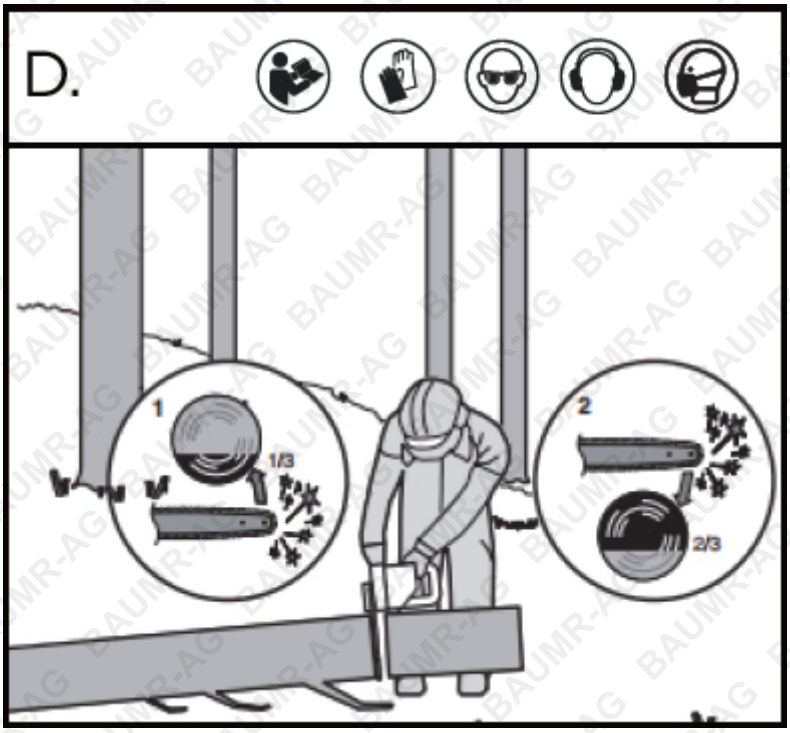
- Branches under tension should be cut from the bottom upwards to reduce the risk of the saw chain becoming pinched.

BUCKING A LOG

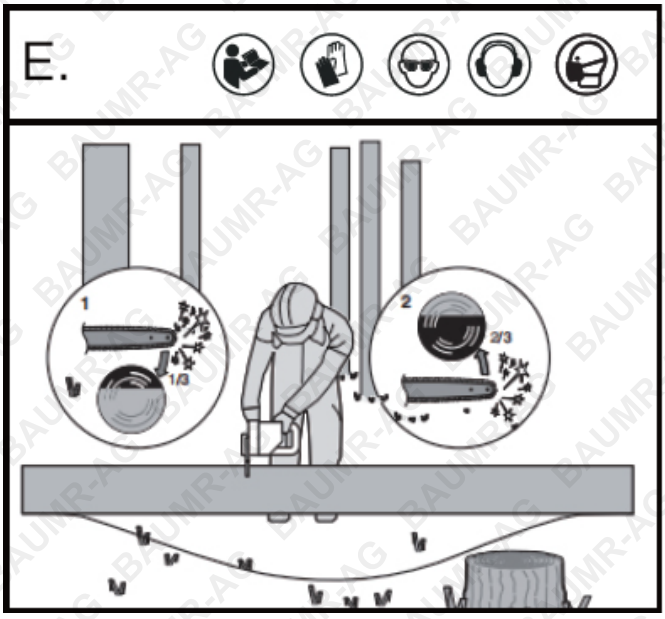
- Bucking is cutting a log into lengths. Ensure you have firm footing and that your weight is evenly distributed on both feet. Where possible, raise and support the log using branches, logs or chocks. Follow these guidelines for safe and easy cutting.
- When the log is supported along its entire length, as shown in Figure C, cut from the top (overbuck). Avoid allowing the saw chain to contact the ground, as this will quickly dull the chain.

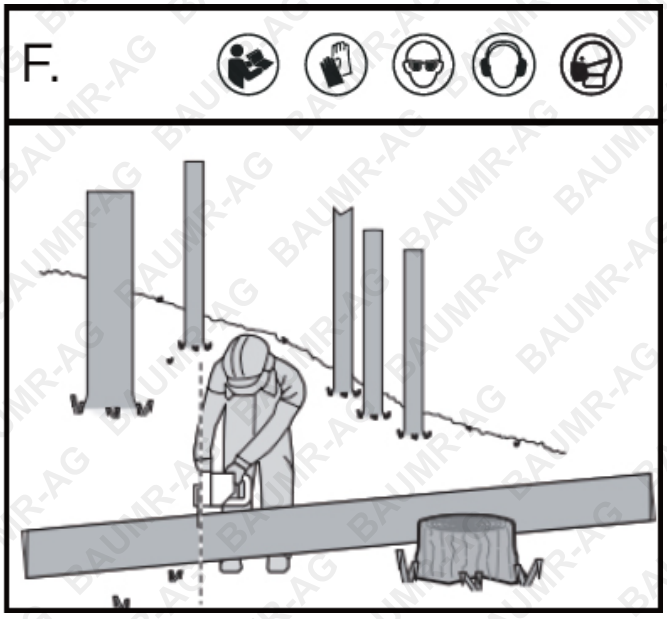


- When the log is supported at one end, as shown in Figure D, first cut approximately one-third of the log diameter from the underside (underbuck) (1). Then complete the cut from the top (overbuck) (2) until it meets the first cut.



- When bucking on a slope, always stand on the uphill side of the log, as shown in Figure F.





- When completing a cut, maintain full control of the chainsaw by reducing cutting pressure near the end of the cut without relaxing your grip on the handles. Do not allow the saw chain to contact the ground.
- After completing the cut, allow the saw chain to stop completely before moving the chainsaw. Always switch off the chainsaw before moving from one cutting location to another.

SAFETY WARNINGS FOR BATTERY PACK

- Do not modify or attempt to repair the battery pack. Do not dismantle, open or shred the battery pack.
- Do not expose the battery pack or appliance to fire or excessive temperatures. Exposure to fire or temperatures above 130°C may cause an explosion.
- Do not short-circuit the battery pack. Do not store battery packs in a box or drawer where they may short-circuit each other or be short-circuited by metal objects. When the battery pack is not in use, keep it away from metal objects such as paper clips, coins, keys, nails, screws and other small metal objects that could connect one terminal to another. Short-circuiting the battery terminals may cause burns or fire.
- Do not subject the battery pack to mechanical shock.

- Observe the positive (+) and negative (–) markings on the battery pack and equipment, and ensure correct installation and use.
- Keep the battery pack out of reach of children.
- Always use the battery pack specified by the manufacturer for this product.
- Keep the battery pack clean and dry.
- If the battery terminals become dirty, wipe them with a clean, dry cloth.
- Charge the battery pack before use. Always use the specified charger and follow the charging instructions in this manual.
- Do not leave the battery pack connected to the charger for prolonged periods when it is not in use.
- After extended periods of storage, the battery pack may need to be charged and discharged several times to achieve optimum performance.
- The battery pack performs best at normal room temperature, approximately 20°C ± 5°C.
- Use the battery pack only for its intended application. Do not use a battery pack or appliance that is damaged or modified. Damaged or modified batteries may behave unpredictably, resulting in fire, explosion or injury.
- Remove the battery pack from the equipment when it is not in use.
- Dispose of the battery pack responsibly in accordance with local regulations. Do not dispose of batteries with general household waste.
- Do not charge the battery pack outdoors, in rain or in wet locations.
- Recharge the battery pack only with the charger specified by the manufacturer. A charger suitable for one type of battery pack may create a fire risk when used with another battery pack.
- Use power tools only with the specified battery packs. Using other battery packs may create a risk of injury or fire.
- Under abusive conditions, liquid may be ejected from the battery. Avoid contact. If accidental contact occurs, rinse the affected area with water. If the liquid contacts the eyes, rinse with water and seek medical attention. Battery liquid may cause irritation or burns.

SAVE THESE INSTRUCTIONS

- Keep these instructions for future reference and use them to instruct anyone who may operate this tool.
- If you lend the tool to another person, provide these instructions with it to help prevent misuse and possible injury.

Safety Symbols

The product may have safety warning labels attached to it, explained below. Understand the symbols on your product and their meanings. If any stickers become unreadable, unattached etc., replace them.



Flammable Material Hazard
Flammable liquids, gases, or substances etc may present. Avoid ignition sources and open flames. Danger of fire.



Read User Manual
Read and fully understand product safety warnings, operation, procedures etc before using the product.



Use Hand Protection
Wear appropriate hand protection and take due care as the product or use of the product may present hand hazards.



Carbon-Monoxide Hazard
Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.



Electrocution / Electrical Shock Hazard
High voltage or high current electricity may be present or required by the product. Take due care when handling electrical products, cables, plugs and leads. Electrical shock can be fatal.



Toxic Fumes / Dust Hazard
Using the product or by-products from use may produce fumes, smoke or particles that could be harmful if inhaled. Wear appropriate breathing protection and have adequate ventilation.



Explosive Material Hazard
Combustible liquids, gases, or substances etc may be present. Avoid ignition sources and open flames. Danger of explosion.



Cutting / Amputation Hazard
The product may have blades, edges or mechanical devices that can cause severe cut injury to fingers, limbs etc. Take due care when handling and using the product.



Crush Hazard
The product may have blades, edges or mechanical devices that can cause severe crush injury to fingers, limbs etc. Take due care when handling and using the product.



Single Operator Only
The product must be operated by a single person only. More than one person operating the product may introduce additional hazards.



Use Face Protection
Wear appropriate full-face protection and take due care as the product or use of the product may present face and eye hazards.



Use Foot Protection
Wear appropriate foot protection and take due care as the product or use of the product may present foot hazards.



Use Eye / Ear / Head Protection
Wear appropriate eye and / or ear and / or head protection and take due care as the product or use of the product may present eye, hearing, and head hazards.



Running Hazard
Do not run on or near the product as doing so may present a fall hazard.



Diving Hazard
Do not dive into the product as doing so may present a neck / head injury hazard.



Adult Supervision Required
Always supervise children and other users of a product to prevent drowning or injury.



Skin Penetration / Puncture Hazard
The product may produce pressure, emit liquids or objects that can cause severe injury to fingers, limbs, blood etc. Take due care when handling and using the product.



Hot Surface Hazard
Be aware that the product may produce high temperatures and hot surfaces that can cause burn injuries.



Flying Debris Hazard
Be aware that the product or use of the product may present hazards produced by flying debris. Wear appropriate clothing and protective devices.



Moving Parts Hazard
Be aware that the product contains or uses mechanical devices that move or rotate. Always wait for moving parts to stop fully before handling the product, adjusting, maintenance etc.

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 **Carbon-Monoxide Hazard** Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.	 **Pull Hazard** Be aware that the product contains or uses mechanical devices that can pull in objects and can cause severe injury to fingers, limbs etc. Take due care when handling and using the product.	 **Slope / Fall Injury Hazard** Be aware that using the product on sloping surfaces or in slippery conditions may present additional dangers from falls and contact with blades, moving parts, hot surfaces etc.	 **"Slam Dunk" Warning** Do NOT attempt "slam dunk" manoeuvres as this may result in severe injury due to falling, product breakage or collapse etc.
 **Electrocution / Electrical Shock Hazard - Outdoor** High voltage or high current electricity may be present or required by the product. Do NOT use in rain, damp, or wet conditions. Electrical shock can be fatal.	 **Electrocution / Electrical Shock Hazard - Disconnect** High voltage or high current electricity may be present or required by the product. Always disconnect the product from the electrical supply before handling the product, adjusting, maintenance etc.	 **Power Line Electrocution Hazard** High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.	 **"Kick-Back" Hazard** High level of "kick-back" hazard that can cause the machine to suddenly rotate towards operator. Kick-back injury can be fatal.
 **Winch Operator Position Hazard** Do NOT stand between winch and load. Do NOT use winch to move people.	 **Winch Lift Hazard** Do NOT LIFT load vertically. Use machine to PULL only.	 **Cable Hazard** Ensure that load bearing cable is not kinked or knotted.	 **Winch Cable Hazard** Ensure that there is a minimum number of cable coils on winching mechanism.
 **Winch Hook Hazard** Carry hook to load – do NOT throw or run.	 **Flash / Blinding Hazard** Wear appropriate eye protection for welding. Direct exposure to weld arcs may cause permanent eye injury.	 **Laser Hazard** Laser may be in use – do NOT look directly at laser or allow others to.	 **Choking Hazard** Children under 8 yrs. Can choke or suffocate on small parts. Adult supervision required.

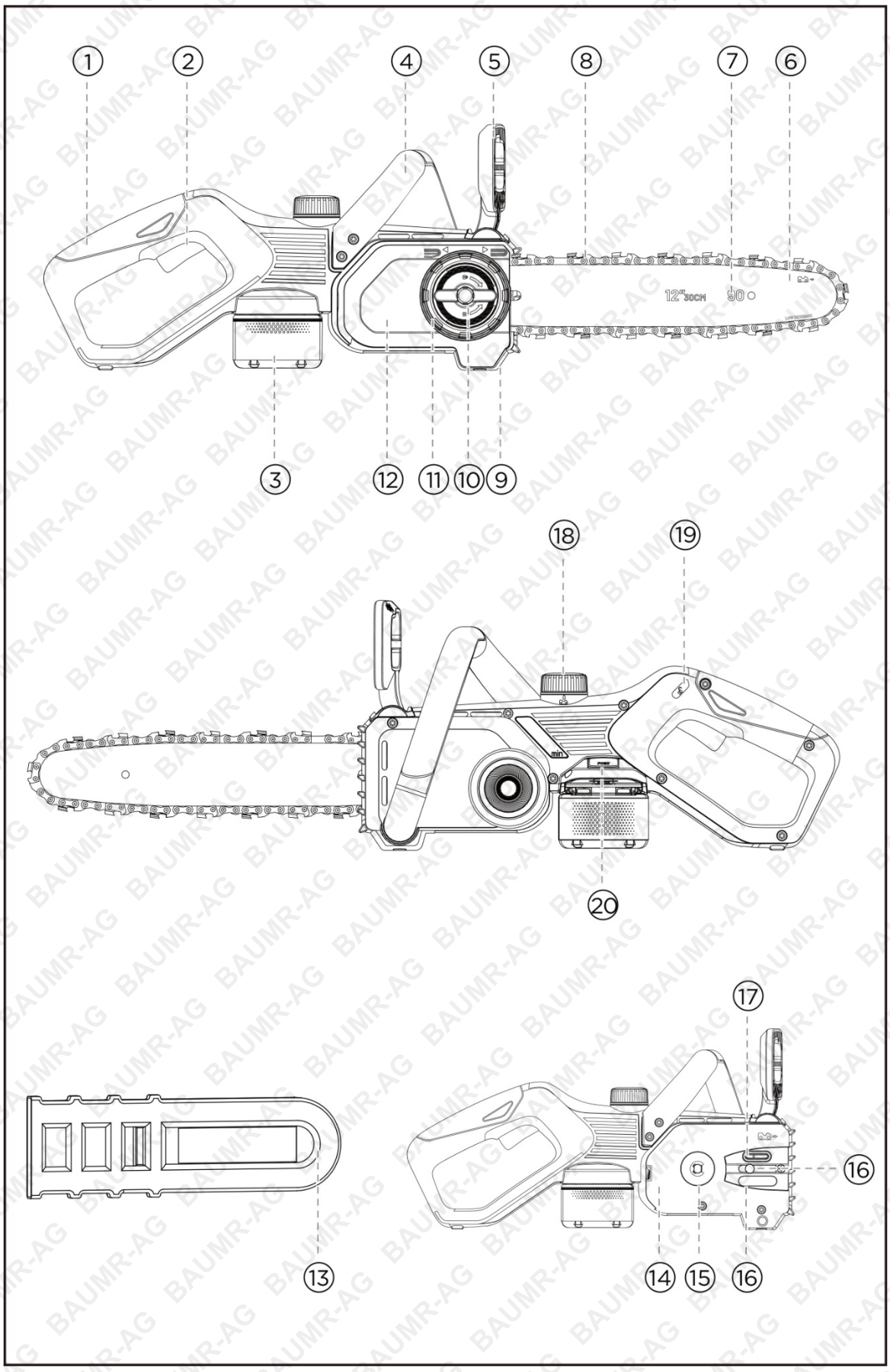
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Table of Contents

Safety **2**
Safety Symbols 10
Parts Identification **13**
Assembly **15**
Charging Your Battery 15
Unpacking 15
Guide Bar and Saw Chain Assembly 15
Checking Saw Chain Tension 18
Tensioning the Saw Chain 19
Lubrication 20
Checking the Oil Level 21
Filling The oil tank 21
Installing/Removing the Battery Pack 22
Operation **24**
Intended Use 24
Starting/Stopping the Chainsaw 24
Chain Brake Lever 25
Cutting Instructions 26
Kickback Safety Devices 27
Using the Chainsaw Safely 27
Cutting Wood Under Tension 28
Lithium Battery Care and Maintenance **29**
Top 3 Battery Care Requirements 29
Maintenance **31**
General Maintenance 31
Cleaning 31
Saw Chain Maintenance 31
Guide Bar Maintenance 32
Sharpening the Saw Chain 33
Lubricating the Guide Bar Sprocket 34
Storage **34**
Troubleshooting **35**
Disposal **36**
Specifications **37**

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Parts Identification



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No.	Name	No.	Name
1	Rear Handle	11	Chain Tensioning Knob
2	On/Off Switch	12	Chain Cover
3	Battery Pack	13	Guide Bar and Chain Sheath
4	Front Handle	14	Guide Bar Mounting Pad
5	Chain Brake Lever/Hand Guard	15	Drive Sprocket
6	Chain Direction Indicator	16	Guide Bar Fastening Bolts
7	Guide Bar	17	Oil Outlet
8	Saw Chain	18	Oil Tank Cap
9	Bumper Spike	19	Lock-Off Button
10	Chain Cover Locking Knob	20	Battery Pack Release Button

Assembly

⚠ WARNING: To prevent accidental starting that could cause serious injury, always remove the battery pack from the tool before assembling or adjusting parts.

⚠ WARNING: Do not modify this tool or use accessories that are not recommended by the manufacturer. Any alteration or modification may create a hazardous condition and could result in serious injury.

⚠ WARNING: Do not start the tool until it has been completely assembled.

Charging Your Battery

⚠ WARNING: Charge the battery in a dry, well-ventilated area, away from combustible materials and ignition sources.

NOTICE: The charger is not supplied with this appliance. Use a compatible charger with the supplied charging cable. Ensure the charger meets the charging requirements of the battery pack. If you are unsure, contact the manufacturer for assistance.

NOTICE: Lithium-ion batteries are supplied partially charged. Fully charge the battery before first use.

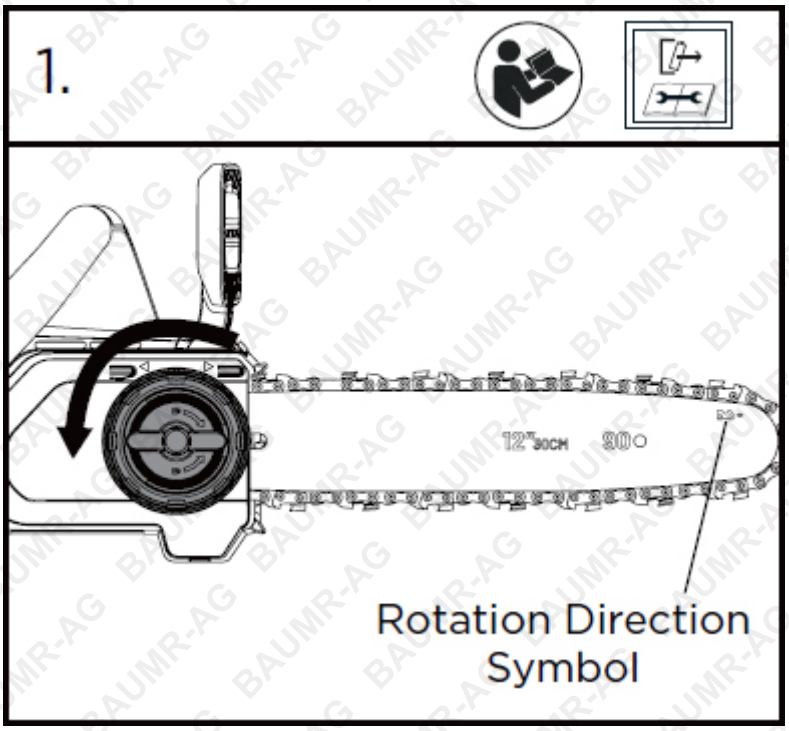
Unpacking

- This product requires assembly.
- Remove all items from the carton. Ensure all items listed in the packing list are included.
- Inspect the tool carefully for any damage that may have occurred during transport.
- Do not discard the packaging until you have carefully inspected and satisfactorily operated the tool.
- If any parts are damaged or missing, contact the manufacturer for assistance.

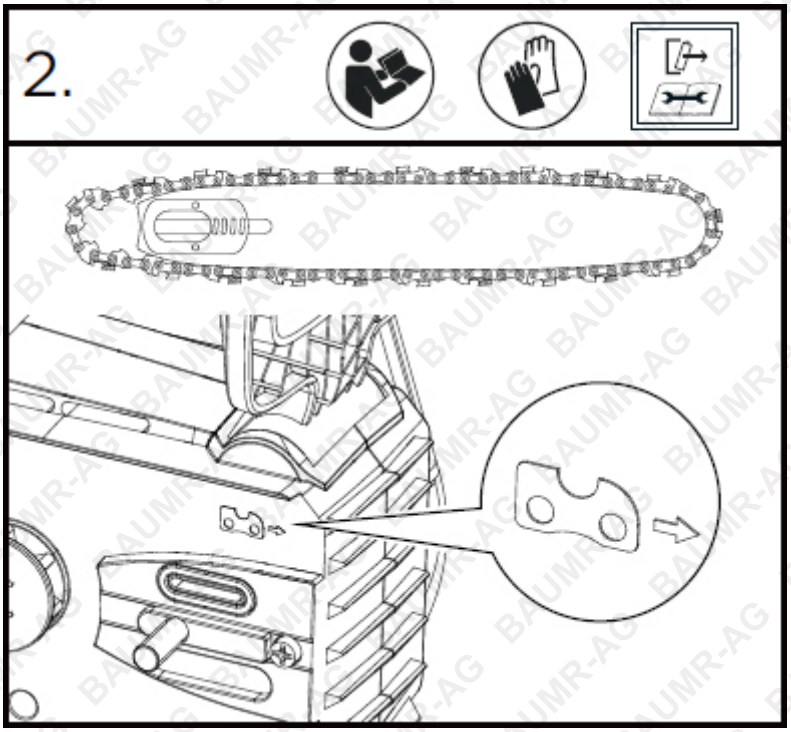
Guide Bar and Saw Chain Assembly

NOTICE: Before first use, soak the saw chain and guide bar in suitable chain oil (not included) overnight.

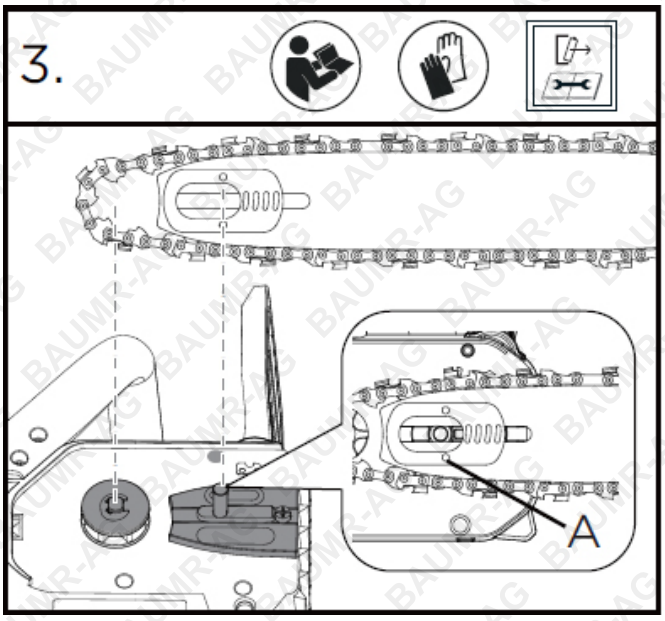
1. Place the chainsaw on a suitable flat surface with the chain cover facing upwards. Remove the chain cover by turning the chain cover locking knob anticlockwise. See Figure 1.

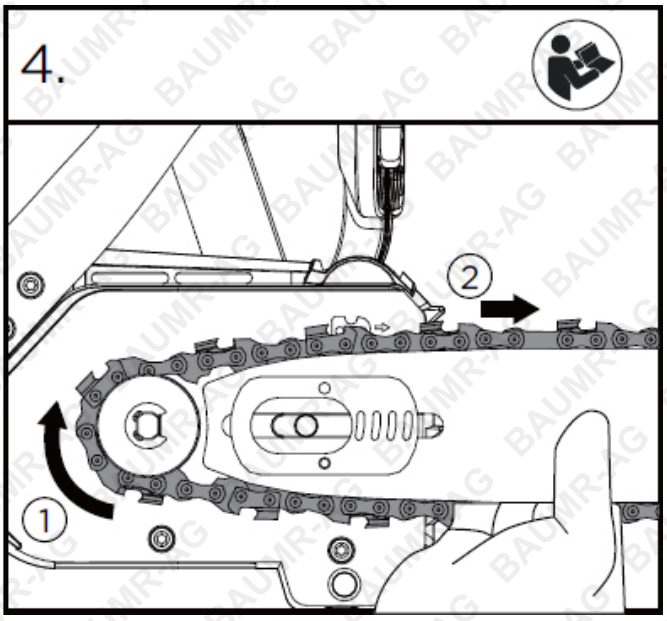


2. Fit the saw chain into the groove around the guide bar, ensuring the chain is installed in the correct direction of rotation. See Figure 2.

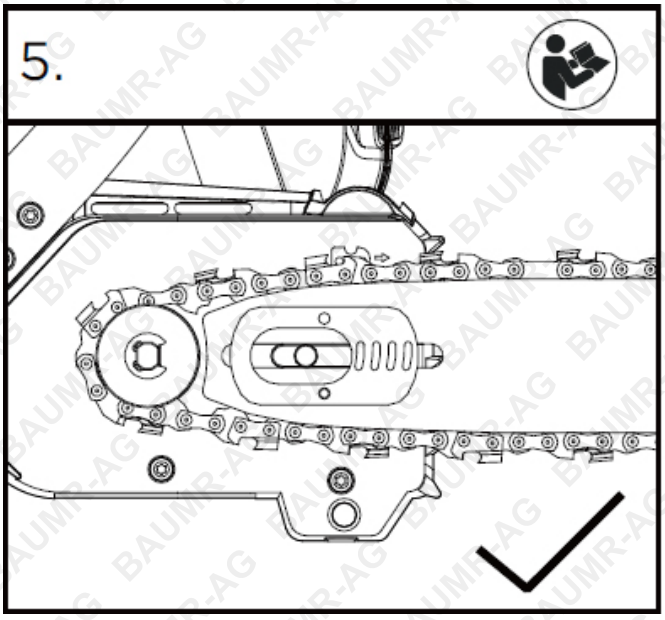


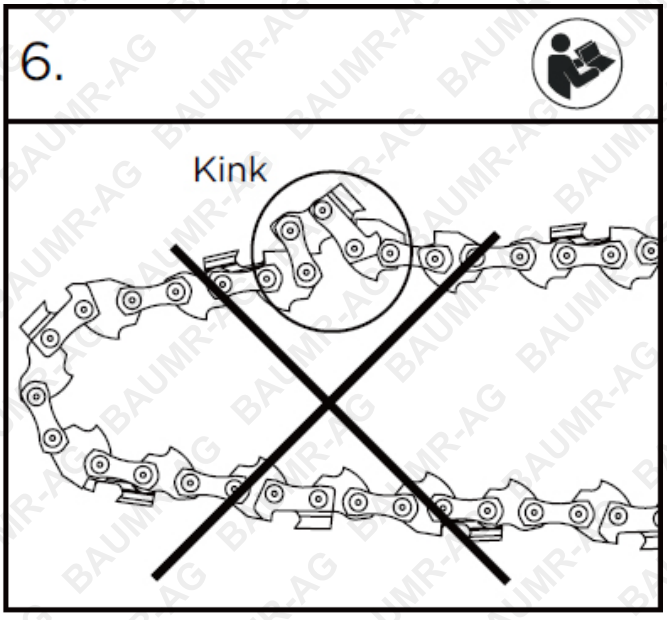
3. Fit the saw chain onto the drive sprocket. Ensure the guide bar fastening bolt fits into the keyway of the guide bar opening and the tensioning pin on the guide bar mounting pad fits into groove (A) on the guide bar. See Figures 3 and 4.





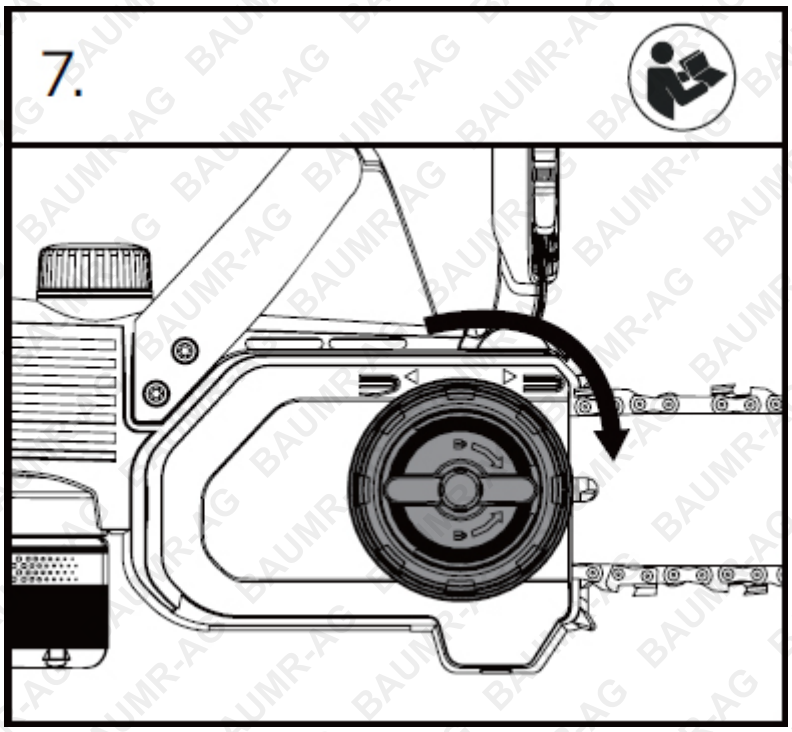
4. Ensure all components are seated correctly and hold the guide bar and saw chain level. Check that the drive links are fully seated in the drive sprocket. See Figure 5. Avoid kinks in the saw chain, as shown in Figure 6. If a kink occurs, lift the saw chain at the guide bar just ahead of the kink, then pull it out.





NOTICE: The saw chain should move freely and be free of kinks.

5. Refit the chain cover and tighten it by turning the chain cover locking knob clockwise until secure. See Figure 7.

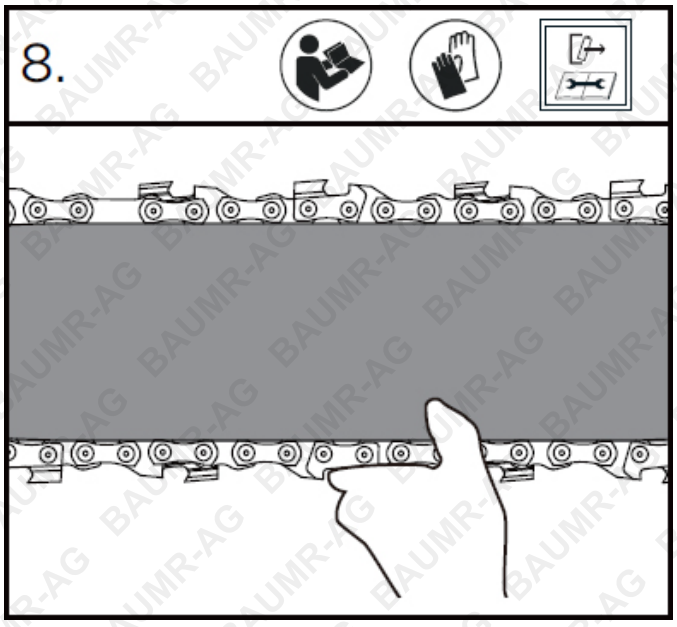


⚠ WARNING: The saw chain is not yet correctly tensioned. Adjust the chain tension as described under TENSIONING THE SAW CHAIN. Always check the chain tension before use.

Checking Saw Chain Tension

⚠ WARNING: Remove the battery pack before checking the saw chain tension.

1. Wear heavy-duty protective gloves. Using your thumb and index finger, carefully pull the saw chain downwards at the centre of the underside of the guide bar.
2. Release the saw chain. See Figure 8.



3. The saw chain should snap back against the guide bar. It should fit snugly in the guide bar groove but still be able to slide along the guide bar by hand.
4. Ensure there is no sag between the guide bar and the saw chain on the underside of the guide bar.

Tensioning the Saw Chain

NOTICE: A new saw chain will stretch during initial use. Check the chain tension frequently and adjust it whenever the chain becomes loose around the guide bar.

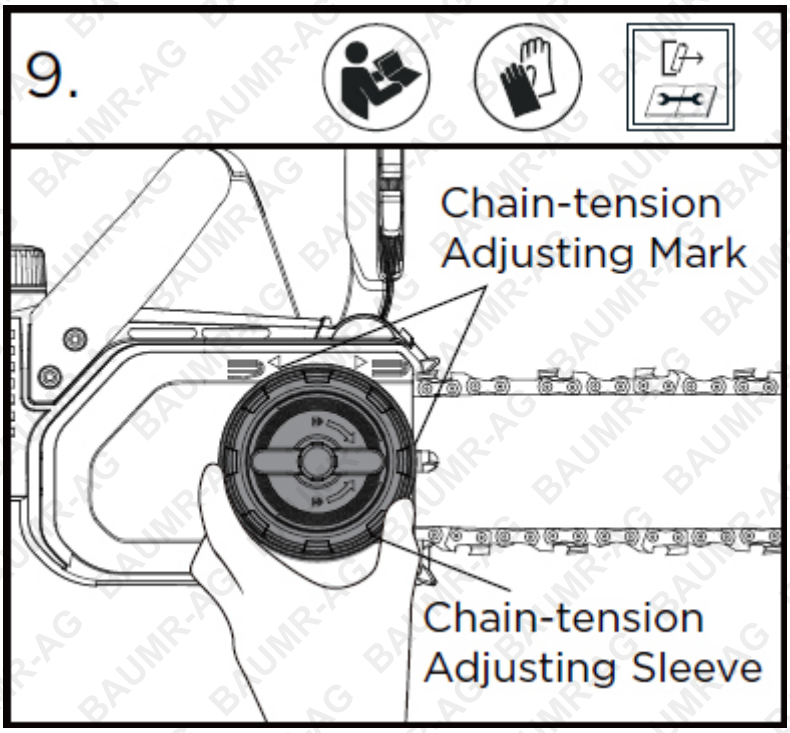
NOTICE: The saw chain will stretch and loosen during use. Check the chain tension regularly while operating the chainsaw.

⚠ **WARNING: Remove the battery pack before adjusting the saw chain tension.**

The cutting edges of the saw chain are sharp. Wear protective gloves whenever handling the chain.

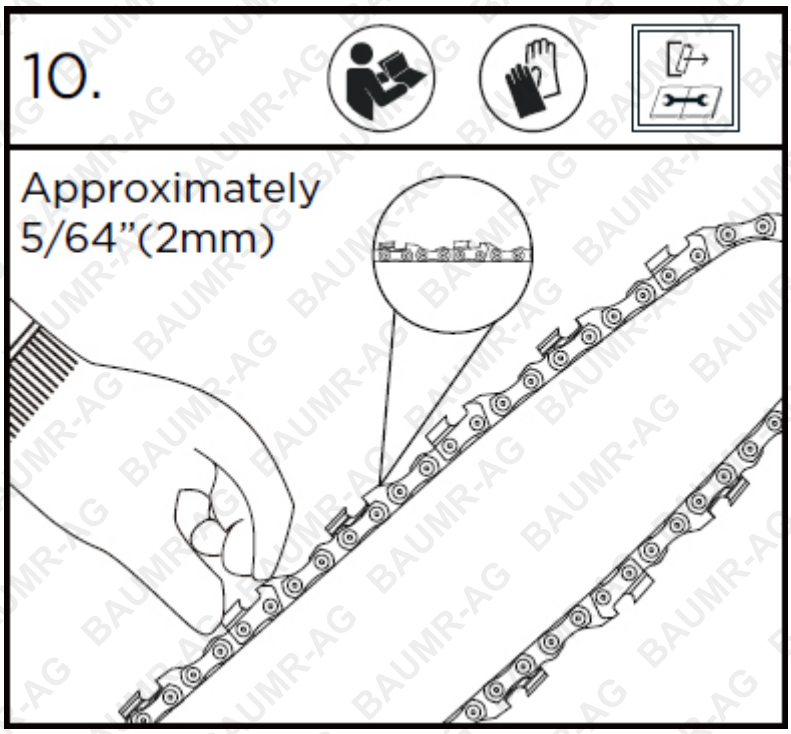
Always maintain the correct chain tension. A loose saw chain increases the risk of kickback and may come out of the guide bar groove, causing injury or damage. A loose chain can also cause rapid wear to the chain, guide bar and drive sprocket.

1. Place the chainsaw on a suitable flat surface.
2. Loosen the chain cover locking knob by turning it anticlockwise.
3. Adjust the chain tension using the chain tensioning knob on the side cover. Turn the knob clockwise to increase chain tension or anticlockwise to decrease chain tension. See Figure 9.



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4. Check the chain tension by pulling the saw chain upwards at the centre of the guide bar. Correct tension is achieved when the chain can be lifted approximately 2 mm from the guide bar. See Figure 10.



5. Readjust the tension if the saw chain is too loose or too tight.
6. Wearing protective gloves, pull the saw chain along the upper side of the guide bar from one end to the other several times. The chain should feel snug but move freely.
7. Firmly tighten the chain cover locking knob to secure the guide bar.

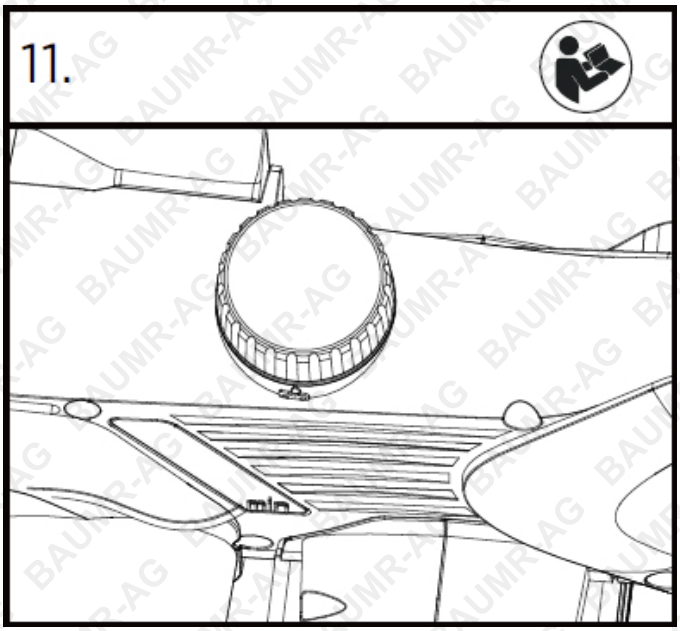
Lubrication

⚠ WARNING: The chainsaw is supplied without chain oil. Fill the oil tank with suitable chain oil before use. Never operate the chainsaw without chain oil or with an empty oil tank, as this may cause extensive damage to the product.

NOTICE: Saw chain and cutting performance depend on adequate lubrication. Fill the oil tank with a suitable amount of chain oil before each use. The chainsaw automatically lubricates the saw chain during operation.

Checking the Oil Level

Check the oil level through the oil level window before each use and regularly during operation. See Figure 11.

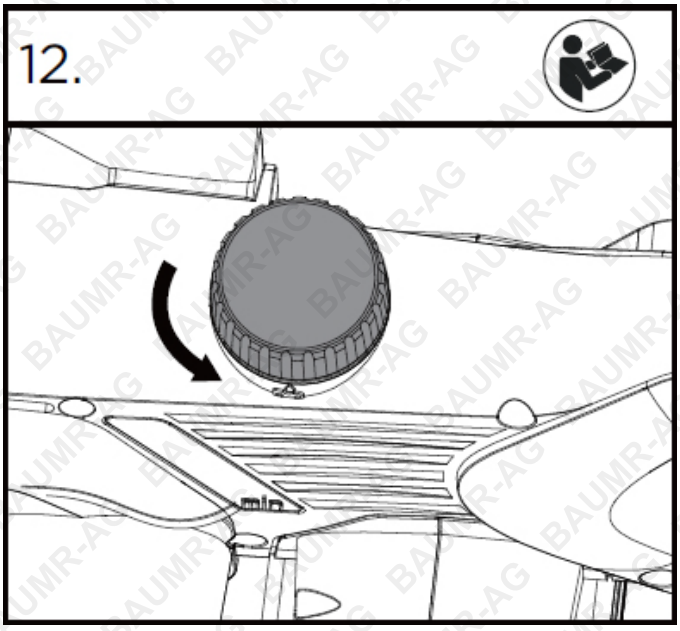


Refill the oil tank when the oil level reaches the MIN mark.

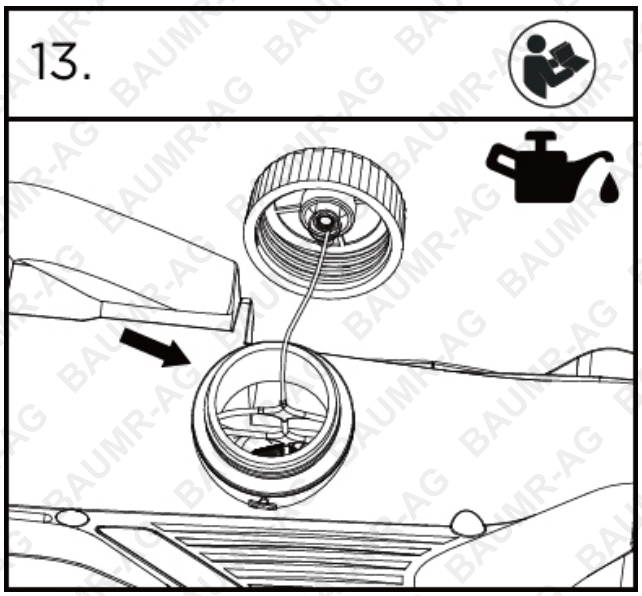
Filling The oil tank

⚠ WARNING: Remove the battery pack before filling the oil tank.

1. Place the chainsaw on a suitable flat surface with the oil tank cap facing upwards.
2. Clean the area around the oil tank cap with a cloth, then unscrew the cap by turning it anticlockwise. See Figure 12.



3. Add suitable guide bar and chain oil until the oil tank is full. See Figure 13.



4. To prevent dirt or debris from entering the oil tank, refit the oil tank cap and tighten it clockwise.

⚠ WARNING: Small breather channels are provided between the oil tank cap and the strainer to allow ventilation and help prevent leakage. Always store the chainsaw in a horizontal position when not in use.

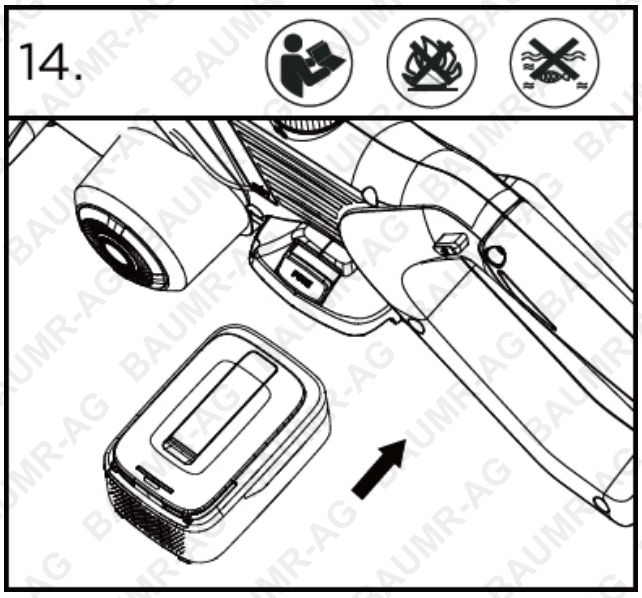
Use only suitable guide bar and chain oil recommended by the manufacturer. Using unsuitable oil may damage the chainsaw and may void the warranty.

Do not swallow chain oil. If swallowed, seek medical attention immediately. Keep out of reach of children. Store away from heat and open flames.

Installing/Removing the Battery Pack

Installing

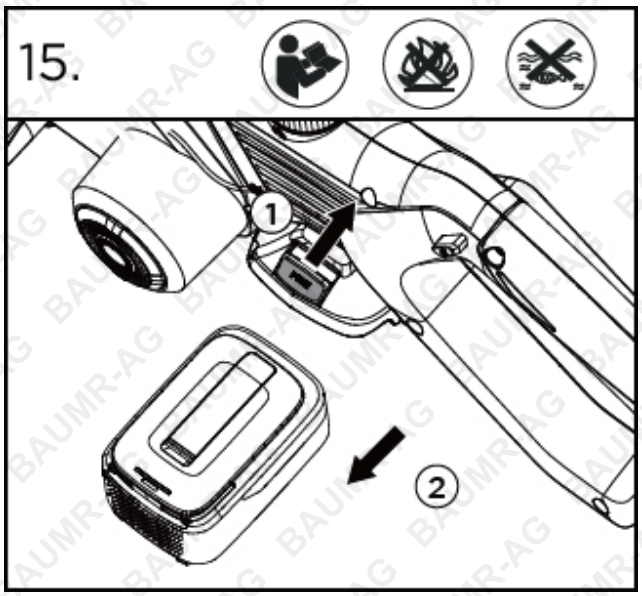
Slide the battery pack into the battery compartment in the correct direction, with the indicator light facing outwards. Push the battery pack in until it clicks securely into place. See Figure 14.



NOTICE: Do not use excessive force when inserting the battery pack. The battery pack can only be installed in one orientation.

Removing

Press and hold the Battery Pack Release Button, then pull the battery pack out. See Figure 15.



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Operation

Intended Use

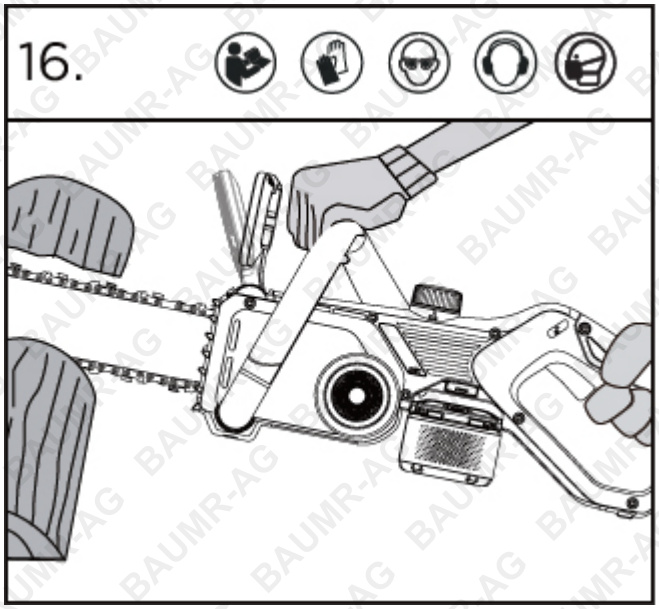
- The chainsaw is designed for cutting trees, logs, branches, timber beams and planks. It can be used to cut with or across the grain.
- This product is not suitable for cutting mineral materials.

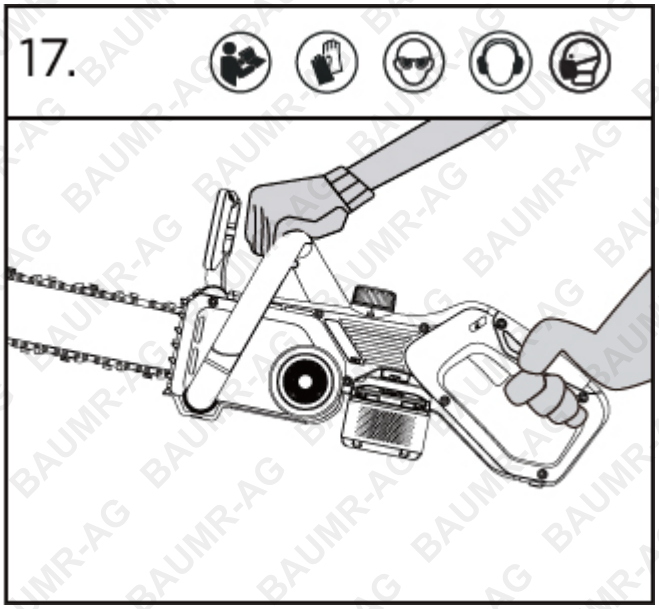
⚠ WARNING: Do not allow familiarity with the product to make you careless. A moment of inattention can result in serious injury.

⚠ WARNING: Do not use attachments or accessories that are not recommended by the manufacturer. Using unsuitable attachments or accessories may result in serious injury.

Starting/Stopping the Chainsaw

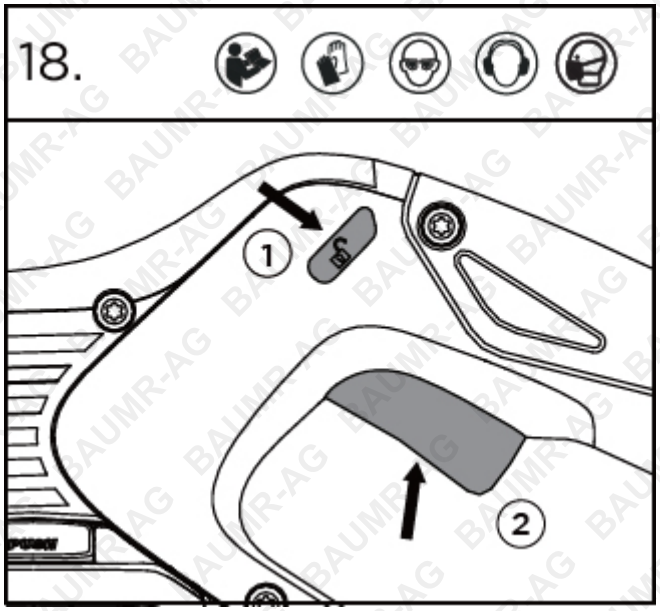
Starting the Chainsaw





1. Check that the chain brake lever is in position I (released). See Figure 16. If necessary, pull the chain brake lever back towards the operator.
2. Hold the rear handle firmly with your right hand and the front handle with your left hand. See Figure 17.

3. Press and hold the lock-off button, then fully press and hold the On/Off switch. Once the chainsaw is running, release the lock-off button. See Figure 18.

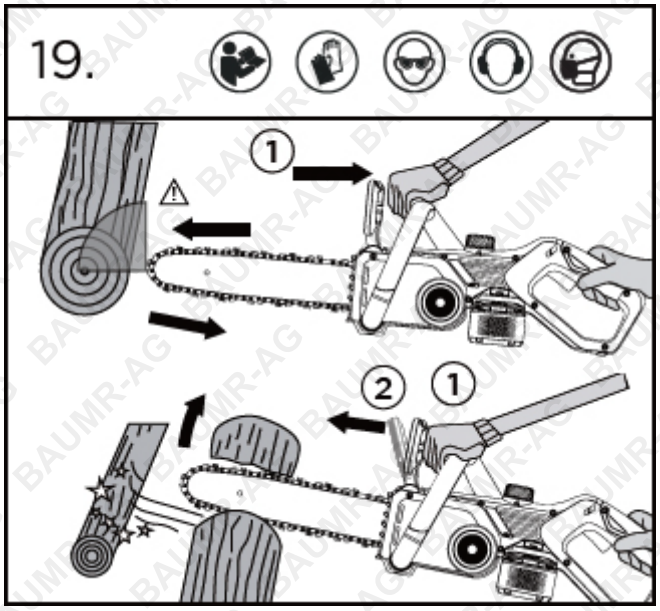


NOTICE: The chain brake must be released before the chainsaw can be started.

Stopping the Chainsaw

Release the On/Off switch to stop the chainsaw.

Chain Brake Lever



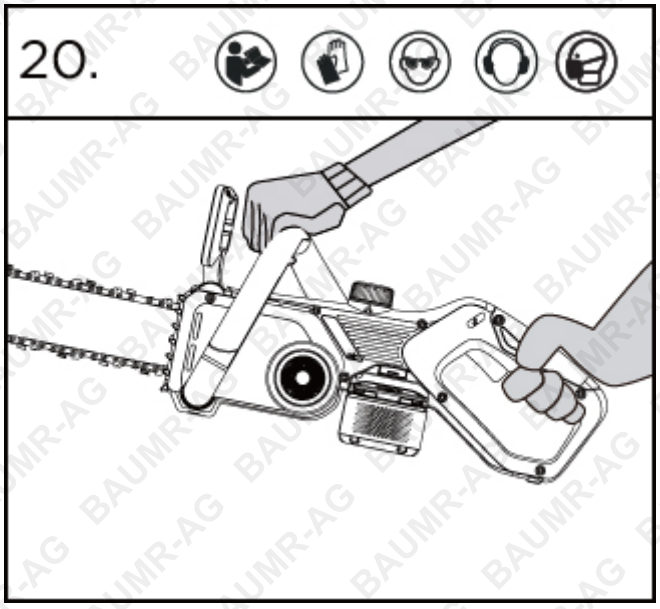
- The chainsaw stops immediately when the chain brake is activated.
- To activate the chain brake, push the chain brake lever/hand guard forwards to position II.
- To release the chain brake, pull the chain brake lever/hand guard back towards the operator to position I.

NOTICE: If the chainsaw does not start even when it is correctly assembled and the battery pack is fully charged, check that the chain brake lever is in position I.

Cutting Instructions

⚠ IMPORTANT: Check the oil level before use. Refill the oil tank when the oil level is low. During extended operation, check the oil level regularly, approximately every 10 minutes.

1. Install the battery pack into the chainsaw.
2. Ensure the section of timber to be cut is not resting directly on the ground. This helps prevent the saw chain from contacting the ground as it cuts through the timber. Contact with the ground while the chain is moving is dangerous and will quickly dull the saw chain.
3. Always hold the chainsaw with both hands. Grip the front handle with your left hand and the rear handle with your right hand. Maintain a firm grip, with your thumbs and fingers wrapped around the handles. See Figure 20.



4. Maintain firm footing. Keep your feet approximately shoulder-width apart and distribute your weight evenly between both feet.
5. When ready to cut, fully press the lock-off button with your right thumb and squeeze the On/Off switch. Allow the saw chain to reach full speed before beginning the cut. Releasing the switch stops the chainsaw.
6. When starting a cut, slowly bring the moving saw chain into contact with the timber. Hold the chainsaw firmly to prevent bouncing or sideways movement.
7. Guide the chainsaw using light, steady pressure. Do not force the saw. Allow the saw chain to do the cutting. Excessive pressure may overload the motor and cause damage. The chainsaw will operate more effectively and safely when used at the rate for which it was designed.
8. Remove the chainsaw from the cut while the saw chain is still running at full speed. Release the On/Off switch to stop the chainsaw. Ensure the saw chain has stopped completely before placing the chainsaw down.
9. Practise cutting scrap logs in a safe working area until you are confident using the chainsaw with smooth, controlled movements and a steady cutting rate.

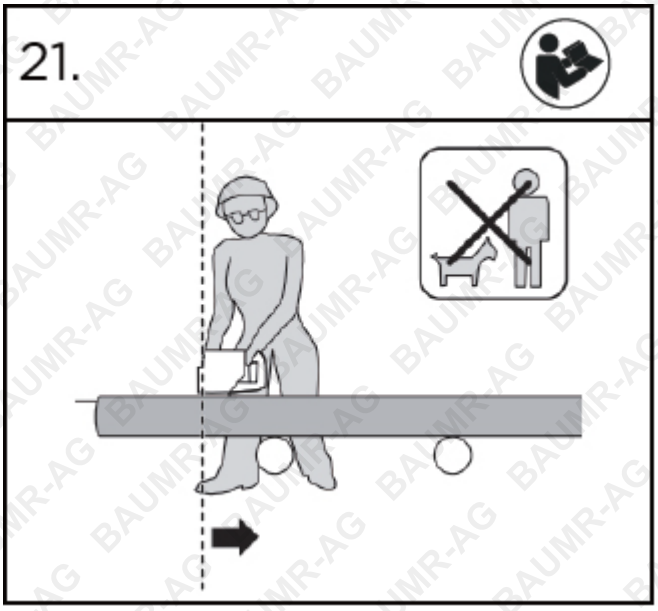
Kickback Safety Devices

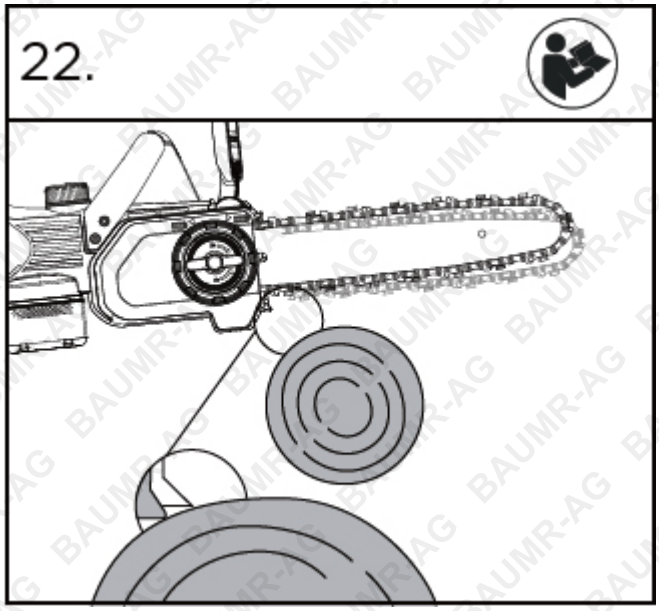
This chainsaw is fitted with a low-kickback saw chain and a reduced-kickback guide bar. These features help reduce the risk of kickback; however, kickback can still occur.

To reduce the risk of kickback:

- Always hold the chainsaw firmly with both hands while it is running. Wrap your thumbs and fingers around the handles.
- Ensure all safety devices are fitted and operating correctly.
- Do not overreach or cut above shoulder height.
- Maintain firm footing and balance at all times.
- Stand slightly to the left of the chainsaw so your body is not directly in line with the saw chain.
- Do not allow the nose of the guide bar to contact any object while the saw chain is moving.
- Never attempt to cut through two logs at the same time. Cut only one log at a time.
- Do not bury the nose of the guide bar or attempt plunge cuts.
- Be alert for shifting timber or other forces that may pinch the saw chain.
- Use extreme caution when re-entering an existing cut.
- Only use low-kickback saw chains and guide bars supplied with or recommended for this chainsaw.
- Never use a dull or loose saw chain. Keep the saw chain sharp and correctly tensioned.

Using the Chainsaw Safely

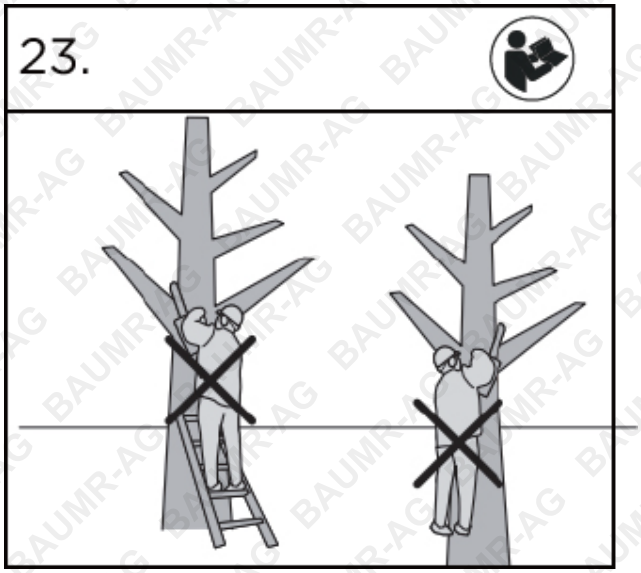




- Operate the chainsaw only when you have secure footing.
- Hold the chainsaw on the right-hand side of your body. See Figure 21.
- Allow the saw chain to reach full speed before it contacts the timber.
- Use the bumper spike to secure the chainsaw against the timber before beginning the cut.

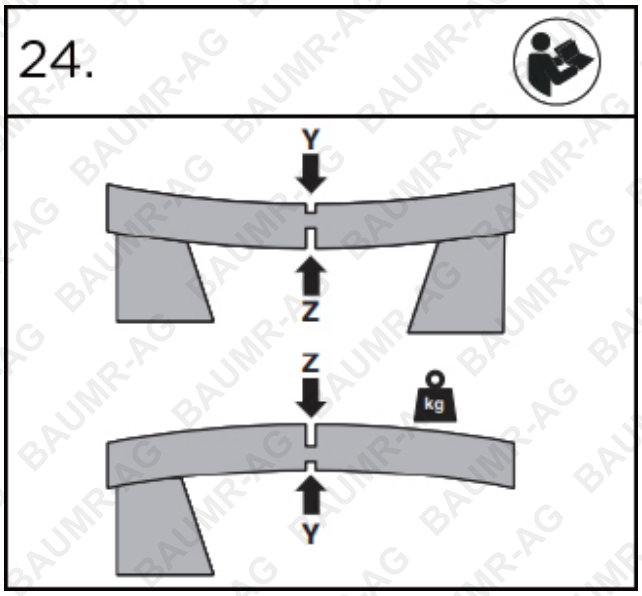
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- Use the bumper spike as a pivot point while cutting. See Figure 22.
- Do not operate the chainsaw with your arms fully extended. Do not attempt to cut areas that are difficult to reach, and never stand on a ladder while cutting. See Figure 23.



⚠ WARNING: Never operate the chainsaw above shoulder height.

Cutting Wood Under Tension



⚠ WARNING: Use extreme caution when cutting branches or timber under tension. The timber may spring back suddenly when the tension is released, causing serious injury or death.

When cutting logs supported at both ends, first cut approximately one-third of the log diameter from above (Y). Then complete the cut from below (Z) to prevent the saw chain from contacting the ground.

When cutting logs supported at one end only, first cut approximately one-third of the log diameter from below (Y). Then complete the cut from above (Z) to reduce the risk of the log splitting or the saw chain becoming pinched.

Lithium Battery Care and Maintenance

Top 3 Battery Care Requirements

1. **Charge battery before first use**. The battery may arrive with some charge, regardless of this the battery must be charged for 2 hours on the initial charge and 2 hours for each subsequent charge.
2. **Charge battery immediately when it is depleted.** Do not store a depleted battery. This will permanently impact the life of the battery. If the battery is going to be stored for a period of time, fully charge the battery before storing.
3. **Disconnect battery when not in use**. To prolong the life of a battery, disconnect it from the unit when not in use. Disconnect chargers from the battery once charged.

To ensure the battery maintains optimum performance, follow the guidelines outlined below.

- For best results, charge batteries in temperatures between 10°C and 30°C
- When battery is charged, disconnect the charger from the power supply and remove the battery from the charger.
- If a battery is stored or otherwise unused for an extended period, and the battery has no charge remaining when you check it, consider it to be damaged. Do not attempt to recharge it or to use it. Replace it with a new battery.
- Use only with the battery charger specified by the manufacturer.
- Ensure that the battery charger electrical cord is not subjected to damage or stress. Do not operate the battery charger if it has a damaged electrical cord or plug.
- Do not use the charger in wet areas or expose it to rain or water.
- The typical estimated life of a Lithium-Ion battery is about two to three years or 300 to 500 charge cycles, whichever occurs first. One charge cycle is a period of use from fully charged, to fully discharged, and fully recharged again.
- Explosion hazard – protect the battery against heat, for example, direct sunlight and fire. Do not store batteries in vehicles or locations subject to heat.
- Batteries can explode in the presence of an ignition source, such as a pilot light. To reduce the risk of serious personal injury, never use any cordless product in the presence of open flame. Exploding batteries can propel debris and chemicals.
- Do not open the battery – danger of short-circuiting and/or explosion.
- Do not attempt to destroy or disassemble the battery pack or remove any of its components.
- Do not touch the battery terminals with metal objects and/or body parts as short-circuit and/or personal injury may result.
- Explosion hazard – do not open and/or short-circuit the battery.
- Poison hazard – battery leakage (liquid ejection). Under extreme conditions, liquid may be ejected from the battery – avoid contact. If contact accidentally occurs, immediately seek medical attention, and flush with water. If liquid contacts eyes, immediately seek medical attention, flush with clean water for at least 10 minutes. Liquid ejected from the battery may cause irritation or burns.
- Dispose of non-serviceable batteries in an environmentally responsible manner and according to local regulations.

Failure to adhere to the requirements above may result in the battery becoming inoperative or battery life being reduced. In extreme cases or abuse, battery overheating, or fire may result.

DANGER - BATTERY CHARGING, USE AND STORAGE

Like mobile phones, laptops, cordless vacuum cleaners etc, this product may contain or be related to a lithium ion battery pack (lithium ion batteries and lithium ion battery related items only). Lithium ion batteries allow fast charging and high capacities, however care must be taken to reduce chances of a fault, and increase safety in case a fault occurs. Catastrophic incidents involving lithium ion batteries have a tendency to result in large amounts of smoke and fire. Be sure to follow the points below to reduce the likelihood of danger whenever you use, charge or store any lithium ion battery.

- Never charge a battery that has been damaged or subjected to a forceful impact.
- Never charge a battery that has been exposed to moisture or water.
- Never charge a battery with a charger that wasn't supplied with the battery.
- Never use a battery in a device that it wasn't specifically designed for.
- Never use a battery with a modified or damaged device.
- Never modify the battery, product, charger, circuitry or wiring.
- Never charge a battery in an exit path that may be used by people to leave a room or building in case of an emergency, for example, the hallway or foyer of a residence.
- Never charge a battery in an area or building that doesn't have the recommended number of working smoke detectors that have been tested in accordance with local guidelines.
- Never charge a battery when the battery or charger is displaying a problem or charging incorrectly.
- Always charge batteries on a non-combustible surface, for example, on a concrete floor.
- Always charge batteries at least 3m away from anything combustible, such as floors, wall surfaces, furniture, storage shelves etc.
- Always charge batteries in an open area (outside if possible) ensuring the battery and charger are away from moisture and water.
- Always disconnect batteries from the charger after charging.
- Always remove or disconnect batteries from the device/product when not in use.
- Always ensure batteries are charged under adult supervision. Do not charge unattended. Do not charge batteries while no one is home or while people are sleeping.
- Keep batteries away from heat and moisture.
- Damaged batteries should be disposed of through your local e-waste collection service.
- Avoid mixing and matching chargers. Unplug products when fully charged, and charge batteries in a cool, dry place away from combustible materials like beds, lounges, or carpet.
- During charging and use, check your lithium-ion batteries for overheating, signs of swelling, leaking, or venting gas. Immediately stop using your product if these signs are present.
- Allow batteries to cool after use and before charging.

Maintenance

⚠ **WARNING: When servicing the chainsaw, use only identical replacement parts. Using other parts may create a hazard or damage the product. Repairs should be carried out by a qualified service technician.**

⚠ **WARNING: To prevent serious injury, remove the battery pack before servicing, cleaning, replacing attachments or accessories, or removing material from the chainsaw.**

⚠ **WARNING: For safe operation, replace worn or damaged parts before use. Use only replacement parts recommended by the manufacturer.**

⚠ **WARNING: Do not use damaged equipment. If abnormal noise, vibration or other faults occur, stop using the chainsaw and have it inspected before further use.**

General Maintenance

- Do not attempt to repair the chainsaw yourself unless you are suitably qualified.
- Check all fasteners and components regularly to ensure they are secure and the chainsaw remains in safe working condition.
- Before each use, inspect the general condition of the chainsaw. Check for:
  - Loose hardware.
  - Misaligned or binding moving parts.
  - Cracked or damaged components.
  - A dull or damaged saw chain.
  - Any other condition that may affect safe operation.
- Before each use, check and adjust the saw chain tension and ensure the oil tank contains sufficient chain oil.

Cleaning

Regular cleaning and maintenance will help maintain efficient operation and extend the service life of the chainsaw.

- After each use, wipe the external surfaces with a clean, damp cloth and mild soap if required.
- Never spray or pour water directly onto the chainsaw.
- Do not use harsh detergents, solvents or other chemicals that may damage plastic components.

Saw Chain Maintenance

- Follow the maintenance instructions in this manual.
- Correct cleaning and maintenance of the saw chain and guide bar can reduce the risk of kickback and extend the service life of the chainsaw.
- Inspect and maintain the saw chain after each use.

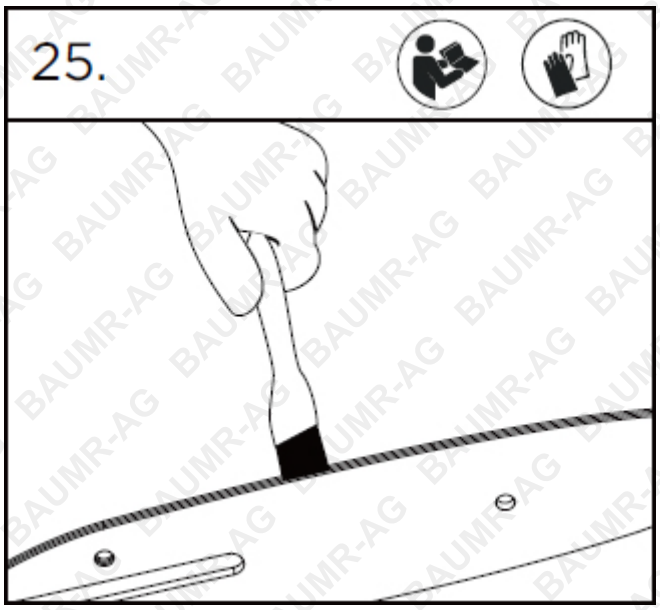
NOTICE: Even when the saw chain is correctly sharpened, the risk of kickback may increase as the chain wears through repeated sharpening.

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Guide Bar Maintenance

- To maximise guide bar life, perform the following maintenance regularly.
- Clean the guide bar rails before storing the chainsaw or whenever the guide bar or saw chain appears dirty.
- Clean the guide bar rails each time the saw chain is removed.

Cleaning the Guide Bar Rails

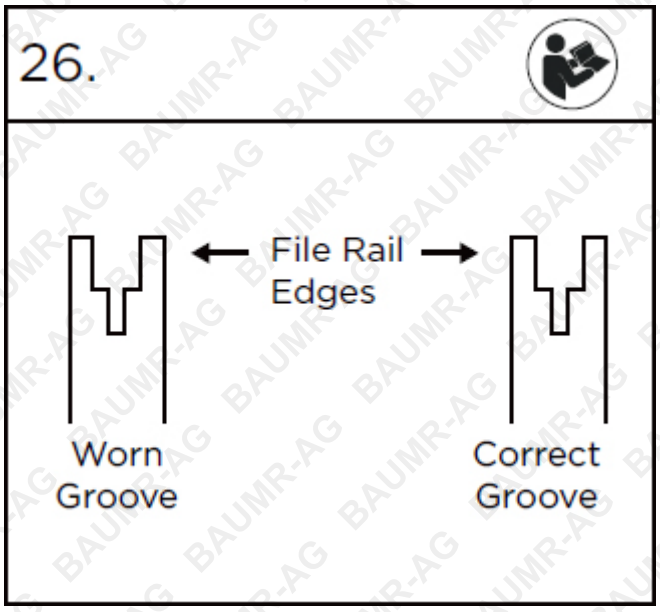


1. Remove the chain cover, guide bar and saw chain. Refer to GUIDE BAR AND SAW CHAIN ASSEMBLY.
2. Using a wire brush, screwdriver or similar tool, remove debris from the guide bar groove. See Figure 25.
3. Ensure the oil passages are thoroughly cleaned.

Conditions Requiring Saw Chain and Guide Bar Maintenance

- Maintenance may be required if:
  - The chainsaw cuts to one side or at an angle.
  - The chainsaw must be forced through the cut.
  - The guide bar and saw chain are not receiving sufficient lubrication.
- Inspect the guide bar each time the saw chain is sharpened. A worn guide bar can damage the saw chain and make cutting difficult.
- After each use, remove the battery pack and clean sawdust and debris from the guide bar and drive sprocket area.
- If the guide bar rails are uneven, use a flat file to restore square edges and sides. See Figure 26.

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- Replace the guide bar if the groove is worn, the guide bar is bent or cracked, or excessive heating or burring of the rails occurs.
- If replacement is necessary, use only the guide bar specified by the manufacturer.

Replacing the Guide Bar and Saw Chain

- Replace the saw chain when the cutters are too worn to sharpen effectively or when the chain can no longer be maintained in safe working condition.
- Use only replacement saw chains specified by the manufacturer.
- Inspect the guide bar before sharpening the saw chain. A worn or damaged guide bar is unsafe and can damage the saw chain and make cutting more difficult.

Sharpening the Saw Chain

⚠ **WARNING: Remove the battery pack before servicing. Accidental starting may result in serious injury. The saw chain cutters are sharp. Wear protective gloves when handling the saw chain.**

- Keep the saw chain sharp. A sharp chain cuts faster, more safely and with less wear to the guide bar, saw chain and motor.
- If the chainsaw must be forced through the timber or produces fine sawdust with few larger chips, the saw chain may be dull.
- Have the saw chain sharpened by a qualified service technician when required.

Lubricating the Guide Bar Sprocket

WARNING: Wear heavy-duty protective gloves when performing maintenance or servicing. Always remove the battery pack before performing maintenance.

NOTICE: It is not necessary to remove the guide bar or saw chain when lubricating the guide bar sprocket.

1. Clean the guide bar and sprocket.
2. Using a grease gun, insert the nozzle into the lubrication hole and apply grease until it appears at the outer edge of the sprocket tip. See Figure 27.
3. To rotate the sprocket, pull the saw chain by hand until the ungreased section of the sprocket aligns with the lubrication hole. Repeat the lubrication procedure as required.

Storage

Chainsaw

- Inspect the cordless chainsaw thoroughly for worn, loose or damaged parts. If any parts require repair or replacement, contact the manufacturer for assistance.
- Remove the battery pack. Allow the motor to cool, then clean the chainsaw before storing it.
- Fit the guide bar and chain sheath. Store the cordless chainsaw indoors in a locked, dry, well-ventilated location, out of reach of children and unauthorised users.

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Troubleshooting

⚠ WARNING: Switch off the chainsaw and remove the battery pack before troubleshooting.

Use the table below to identify and correct common problems. If the problem persists, contact the manufacturer for assistance.

Problem	Possible Cause	Solution
Motor does not start	Battery pack is not correctly installed.	Ensure the battery pack is fully inserted and locked into place.
	Battery is depleted.	Charge the battery.
	Battery is too cold.	Allow the battery to warm to a suitable operating temperature, then reinstall it.
	On/Off switch is defective.	Contact the manufacturer for inspection or replacement.
Chainsaw operates intermittently	Chainsaw is overheating.	Switch off the chainsaw and allow it to cool in a cool, well-ventilated area.
	Excessive pressure is being applied while cutting.	Reduce cutting pressure and allow the saw chain to do the cutting.
	Loose electrical connection.	Contact the manufacturer for inspection or repair.
	Internal wiring is defective.	Contact the manufacturer for inspection or repair.
	On/Off switch is defective.	Contact the manufacturer for inspection or replacement.
Saw chain is dry	No oil in the oil tank.	Refill the oil tank with suitable guide bar and chain oil.
	Oil tank cap vent is blocked.	Clean the oil tank cap and vent.
	Oil passage is blocked.	Clean the oil passage and outlet.
Chain brake lever does not operate	Chain brake lever is damaged.	Contact the manufacturer for inspection or repair.
Saw chain/guide bar overheats	No oil in the oil tank.	Refill the oil tank with suitable guide bar and chain oil.
	Oil tank cap vent is blocked.	Clean the oil tank cap and vent.
	Oil passage is blocked.	Clean the oil passage and outlet.
	Saw chain is over-tensioned.	Adjust the saw chain tension.
	Saw chain is dull.	Sharpen or replace the saw chain.
Chainsaw cuts roughly, vibrates or does not cut correctly	Saw chain tension is too loose.	Adjust the saw chain tension.
	Saw chain is dull.	Sharpen or replace the saw chain.
	Saw chain is worn.	Replace the saw chain.
	Saw chain is installed in the wrong direction.	Reinstall the saw chain in the correct direction.

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Disposal

The packaging is made from recyclable materials. Dispose of packaging responsibly through appropriate local recycling facilities.

Separate packaging materials where possible, including:

- Plastic materials.
- Paper and cardboard materials.
- Composite materials.

Follow your local council requirements for waste separation and recycling.

Product Disposal

- The product, accessories, packaging and documentation may contain recyclable materials. Dispose of each component separately where appropriate.
- Do not dispose of electrical products with general household waste. At the end of the product's service life, take it to an appropriate electrical or electronic waste collection or recycling facility.
- Contact your local council or waste disposal authority for information about suitable collection points and recycling requirements.

Battery Disposal

- Used or damaged batteries and rechargeable battery packs must be disposed of responsibly.
- Remove the battery pack from the product before disposal.
- Do not dispose of batteries or rechargeable battery packs with general household waste or in fire. Batteries may contain substances that can harm people or the environment if disposed of incorrectly.
- Take used batteries and battery packs to an appropriate battery recycling or collection facility in accordance with local regulations.

⚠ WARNING: Damaged batteries may present a fire, chemical or environmental hazard. Do not crush, puncture, burn or dismantle the battery pack.

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Specifications

Power Source	Battery
Battery Type	Lithium-ion
Battery Voltage	20 V
Motor Type	Brushless
Motor Power	550 W
Battery Capacity	4.0 Ah
Battery Compatibility	Baumr-AG SYNC range
Charger	2.4 A
Charge Time	Approximately 2 hr
Working Time	Up to 20 min
Guide Bar Length	12 inches
Chain Speed	13 m/s
Oil Tank Capacity	120 mL
Bar and Chain Lubrication	Automatic
Tool-Free Chain Tensioning	Yes
Chain Brake	Yes
Front Hand Guard	Yes
Chain Pitch	3/8 inch
Chain Gauge	0.043 inch
Chain Drive Links	45
Start Lock-Off Button	Yes
Secondary Handle	Yes
Charger Approval	SAA

Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see www.datastreamserver.com/safety

- Consult all documentation, packaging, and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear, or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear, or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business, or employee, or financially affect the user, business, or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement, or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.

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