



## **ELECTRIC CHAINSAW**

**RAC1836ECS**

## **USER GUIDE**

**CAUTION:** Read the instructions before using the machine!

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# 1. SAFETY WARNINGS

**⚠ WARNING** Read all safety warnings and all instructions. *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.*

## 1) Work area safety

a) **Keep work area clean and well lit.** *Cluttered or dark areas invite accidents.*

b) **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.*

c) **Keep children and bystanders away while operating a power tool.** *Distractions can cause you to lose control.*

## 2) Electrical safety

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

b) **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** *There is an increased risk of electric shock if your body is earthed or grounded.*

c) **Do not expose power tools to rain or wet conditions.** *Water entering a power tool will increase the risk of electric shock.*

d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** *Damaged or entangled cords increase the risk of electric shock.*

e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** *Use of a cord suitable for outdoor use reduces the risk of electric shock.*

f) **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.*

## 3) Personal safety

a) **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.*

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

c) **Prevent unintentional starting. Ensure the switch is in the off-position connecting to power source and/or battery pack, picking up or carrying the tool.** *Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.*

d) **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.*

e) **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*

f) **Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.** *Loose clothes, jewelry or long hair can be caught in moving parts.*

g) **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.*

## 4) Power tool use and care

a) **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.*

b) **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.*

c) **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.*

d) **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.*

e) **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** *Many accidents are caused by poorly maintained power tools.*

f) **Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*

g) **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.*

#### **5) Service**

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

#### **CHAIN SAW SAFETY WARNINGS:**

**Keep all parts of the body away from the saw chain when the chain saw is operating. Before you start the chain saw, make sure the saw chain is not contacting anything.** *A moment of inattention while operating chain saws may cause entanglement of your clothing or body with the saw chain.*

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

**Always hold the chain saw with your right hand on the rear handle and your left hand on the front handle.** *Holding the chain saw with a reversed hand configuration increases the risk of personal injury and should never be done.*

NOTE For chain saws designed with the guide bar on the left side, the reference to "right hand" and "left hand" positioning is reversed.

**Wear safety glasses and hearing protection. Further protective equipment for head, hands, legs and feet is recommended.** *Adequate protective clothing will reduce personal injury by flying debris or accidental contact with the saw chain.*

**Do not operate a chain saw in a tree.** *Operation of a chain saw while up in a tree may result in personal injury.*

**Always keep proper footing and operate the chain saw only when standing on fixed, secure and level surface.** *Slippery or unstable surfaces such as ladders may cause a loss of balance or control of the chain saw*

**When cutting a limb that is under tension be alert for spring back.** *When the tension in the wood fibers is released the spring loaded limb may strike the operator and/or throw the chain saw out of control.*

**Use extreme caution when cutting brushes and saplings.** *The slender material may catch the saw chain and be whipped toward you or pull you off balance.*

**Carry the chain saw by the front handle with the chain saw switched off and away from your body. When transporting or storing the chain saw, always fit the guide bar cover.** *Proper handling of the chain saw will reduce the likelihood of accidental contact with the moving saw chain.*

**Follow instructions for lubricating, chain tensioning and changing accessories.** *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 woods only. Do not use chain saw for purposes not intended. For example: do not use chain saw for cutting plastic, masonry or non-wood building materials.** *Use of the chain saw for operations different than intended could result in a hazardous situation.*

## **CAUSES AND OPERATOR PREVENTION OF KICKBACK:**

Kickback may occur when the nose or tip of the guide bar touches an object, or when the wood closes in and pinches the saw chain in the cut.

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

Pinching the saw chain along the top of the guide bar may push the guide bar rapidly back towards the operator.

Either of these reactions may cause you to lose control of the saw which could result in serious personal injury. Do not rely exclusively upon the safety devices built into your saw. As a chain saw user, you should take several steps to keep your cutting jobs free from accident or injury.

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

**Maintain a firm grip, with thumbs and fingers encircling the chain saw handles, with both hands on the saw and position your body and arm to allow you to resist kickback forces.**

*Kickback forces can be controlled by the operator, if proper precautions are taken. Do not let go of the chain saw.*

**Do not overreach and do not cut above shoulder height.** *This helps prevent unintended tip contact and enables better control of the chain saw in unexpected situations.*

**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 saw chain.** *Decreasing the depth gauge height can lead to increased kickback.*

## **ADDITIONAL INSTRUCTIONS**

- It is recommended to use of a residual current device with a tripping current of 30 mA or less.
- **WARNING!** When using this type of power tool, basic precautions should always be followed to reduce the risk of fire, electric shock and injury.
- Position the cord so that it will not be caught on branches and the like, during cutting
- It is recommended that the first-time user should, as a minimum practice, cutting logs on a saw-horse or cradle
- Read all instructions carefully before attempting to use this product and retain these instructions. Be familiar with all the operations described in these operating instructions. This product must be operated by experienced users.
- If you are giving this machine to others, please also provide them with this instructions manual.
- Also read all markings on the product. The symbols on the tools are explained in the manual.
- Use this machine as described in this instruction manual. It is strictly forbidden to use this tool for applications other than those described in this manual.
- Failure to follow these instructions can result in serious injuries and, in some cases, death.
- This product is intended for private domestic use only. Do not use it for commercial purposes.
- Never let people unfamiliar with these instructions or children use this product.
- National regulations may limit the use of the machine.
- People under the age of 18 must not use this product
- Keep in mind that the operator or user is responsible for accidents or risks to other persons or their property.
- Do not use the tool if you are drunk, tired, under the influence of drugs or ill. Do not use the tool if you are not in an adequate physical condition.
- This tool is intended for outdoor use. Never use it indoors.
- When transporting the machine:
  - Secure the machine during transport to prevent, damage or injury.
  - Use a carrying case to protect the cutter during transport.
- Keep people and animals away from the work area. Children and people who do not know how to use this tool should not touch it and handle it.
- Keep them at least 15 m from the machine during operation,

- Use the product only under daylight or under good artificial light.
- When using the machine, always wear full protective equipment including a helmet, protective mask, ear protection, gloves, non-slip footwear and protective clothing.
- Wear appropriate clothing. Do not wear loose or unbuttoned shirts. Do not wear jewelry that may come in contact with moving parts. If you have long hair, tie it down and wear an appropriate safety helmet.
- Do not operate the product with damaged guards or shields in place.
- Keep hands and feet of the appliance at all times and especially when turning the appliance off and on.
- Do not use the tool in an area where ventilation is poor. Gas emissions can cause injury.
- Do not work when it rains and in bad weather. Do not use the tool in damp locations.
- Do not use the tool in the presence of flammable liquids or gases.
- Caution: The machine releases gases when it is used. Avoid coming into contact with these gases.
- Keep the work area clear. Before working, inspect the work area and remove any materials or objects that could cause accidents.
- Do not force the tool.
- Use only the accessories supplied or recommended by the manufacturer. Use of other accessories may result in an accident. Read the "Technical Data" section of this instruction manual or ask your dealer for advice.
- Do not lean. Keep a good seating/footing and balance at all times.
- To maintain tools and accessories carefully, keep cutting tools sharp and clean for better and safer performance. Follow the instructions in this manual to lubricate and change accessories.
- Always inspect the machine before and after operation. If the tool is damaged or faulty, stop using the tool and bring it to an authorized service for inspection and repair.
- Turn off the tool after use, when you leave it unattended, when changing these accessories and before servicing.
- Keep handles dry, clean and free from oil and grease.
- Be concentrated when using the tool. Look at what you do, use good sense and do not use the tool when you are tired.
- Remove the blade guard before using the tool.
- A damaged guard or other part must be properly repaired or replaced by an authorized service center, unless otherwise specified in this instruction manual.
- Do not use the tool if the starter is not working (if it cannot be turned ON and OFF).
- Place the equipment in a well-lit area on a flat, stable, dry and well-ventilated surface, away from flammable materials and with plenty of space for sparking and sharpen waste.
- Do not allow anyone, especially children, to come within a radius of at least five meters around the work area when all work is in progress.
- Immediately stop the tool in the event of a malfunction of the motor or the ON/OFF button or in case of unusual noise.
- Do not use the tool if the starter is damaged.
- Do not move the chain with your hand with the wheel moving.
- Do not stop the chain with your hands or other objects.
- Treat the chain teeth with caution during operation; they can cause severe cuts.
- When not in use, the machine must be stored in a dry, locked place out of the reach of children.
- Before using the product and after any shock, please check it for signs of wear or damage. Please carry out repairs if necessary.
- Always switch off the machine:
  - Every time you leave the device unattended;
  - Before releasing an obstruction;
  - Before checking, cleaning or working on the product;
  - After hitting a foreign object;
  - Every time the product starts to vibrate abnormally.

- Pay attention to foot and cutting injuries.
- Inspect and regularly service the product. Repairs should be carried out only by an authorized service center or a similar qualified specialist.
- When not in use, store the product out of the reach of children.
- Children should not play with plastic bags, sheets and small parts! Keep them out of the reach of children. There is a danger of suffocation!
- When transporting the tool, always add the blade guard to the blade. Always carry the tool by holding the handle, never the blade.
- Do not use the product on a slippery surface.
- Do not use the product on steep, slippery slopes.
- When planning your work schedule, allow enough time for rest. Limit continuous use of the device, e.g. use 30 ~ 40 minutes per session, and take 10 ~ 20 minutes of rest between work sessions. Work a maximum of two hours per day
- If the machine has struck foreign objects, check if the tool is damaged and bring it to repair if necessary.
- Do not place any part of the body on the chain when the chainsaw is operating. Before starting the chain saw, make sure that the chain is not in contact with anything. A moment of inattention during use may cause your clothing or body part to stick to the chain.
- Always hold the chainsaw back handle with your right hand and the front handle with your left hand. Hold the chainsaw by inverting your hands increases the risk of personal injury and should never be used.
- For the chainsaw designed with the chain guide on the left side, the reference to the "right hand" and "left hand" positions is reversed.
- When cutting a branch that is under stress, pay attention to the risk of elastic return. When the tension of the wood fibers is released, the spring-loaded limb may strike the operator and / or project the chain saw out of control.
- Exercise extreme caution when cutting brush and young shrubs. Fine materials can grip the cutting chain and be thrown as a whip in your direction, or you lose balance under the effect of traction.
- Follow the instructions for lubrication, tension and chain change accessories. A chain whose tension and lubrication are incorrect can either break or increase the risk of rebound.
- Keep handles dry, clean and free of oil and grease. Oily, greasy grips are slippery and cause loss of control.
- Cut only wood, as well as for pruning and cutting wood. Do not use the chain saw for any other purpose. For example: do not use it to cut plastic, masonry or construction materials other than wood. Using the chain saw for operations other than those specified may result in hazardous situations.
- Be careful when using the machine during stormy weather. Do not use the machine during lightning, thunderstorms or in bad weather in general.
- There is advantage of using a spiked bumper when cutting thick branches.
- The tool must be used with an extension cable; please contact our service or ask your retailer for advice about the type and length of extension cable that can be used with this chainsaw.
- If the supply cord of this power tool is damaged, it must be replaced by a specially prepared cord available through the service organization.

#### **DURING MAINTENANCE AND STORAGE**

- Stop the tool and wait until it stops. Make sure all moving parts have come to a standstill.
- Allow the machine to cool before performing inspection, adjustments, maintenance, servicing and storage.
- Store the tool where fuel vapor will not reach a flame or spark.
- When transporting and storing, always place the tool in its transport guard and protective device on it.

#### **RESIDUAL RISKS**

Even if you use this product in compliance with all safety requirements, the potential risks of injury and damage remain. The following hazards may arise from the structure and design of this product:

- There are harmful health consequences resulting from the emission of vibrations if the product is used for long periods of time or not properly managed and properly maintained.
- There is risk of injury and property damage due to attachments or the sudden impact of hidden objects when using the blade.
- Risk of injury to persons and property caused by flying objects.
- Prolonged use of this product exposes the operator to vibration and can produce so-called "white finger" disease. To reduce the risk, wear gloves and keep your hands warm.
- If any of the symptoms of "white finger syndrome" occur, seek immediate medical attention. Symptoms of the "white finger" include numbness, loss of sensitivity, tingling, pain, loss of strength, color changes or skin condition. These symptoms usually appear on the fingers, hands or wrists. Risk increases at low temperatures.

## SYMBOLS



Warning symbol



Read and refer to these operating instructions



Wear hearing protection and eyes protection



Value of sound emission according to European Directive 2000/14/EC



This tool must be used by persons trained to cut down trees; Read this instruction manual!



The contact of the end of the bar with any object must be avoided.



Do not operate the tool with one hand. Always hold it with both hands.



Do not use the tool when raining



Pull the plug out from the socket immediately when the cable is damaged or entangled or split



Class II product

## INTENDED USE

The tool should only be used to cut trees. Do not use it for other applications.

This product should not be used outside of domestic premises e.g. for cutting firewood in forested areas.

The use of this product in case of rain or humid environment is prohibited.

This product is intended for private domestic use only.

Use this multifunction tool only as described in this manual and only for the intended use as



described above.

Any other use might lead to damage of the appliance, property or personal injury.

No liability will be accepted for damage resulting from improper use or non-compliance with this manual.

## 2. YOUR PRODUCT

### DESCRIPTION



- |                      |  |
|----------------------|--|
| 1) Guide bar         | 8) Cable holder                          |
| 2) Chain             | 9) ON/OFF switch                         |
| 3) Front handle      | 10) Motor                                |
| 4) Cover of oil tank | 11) Carbon brush cover                   |
| 5) Safety button     | 12) Hand guard (trigger for chain brake) |
| 6) Rear handle       | 13) Protection cover                     |
| 7) Supply cable      | 14) Tool for assembly                    |

### TECHNICAL DATA

<b>Model</b>	RAC1836ECS
<b>Tension</b>	220V-240V~ 50Hz
<b>Power</b>	1800W
<b>Max speed of the spindle</b>	8000/min
<b>Cutting length</b>	355mm(14")
<b>Capacity of lubrication oil</b>	260ml
<b>Sound Pressure Uncertain K</b>	L <sub>pA</sub> : 91,5dB(A) Uncertain K <sub>pA</sub> =3dB(A)
<b>Sound power</b>	L <sub>WA</sub> : 104,3dB(A) K= 3dB(A)
<b>Guaranteed power level</b>	L <sub>WA</sub> : 107dB(A) (2000/14/EC)
<b>Vibration Uncertain K</b>	5,79m/s <sup>2</sup> 1.5m/s <sup>2</sup>

### Information:

- The declared vibration total value has been measured in accordance with a standard test method and may be used for comparing one tool with another;
- The declared vibration total value may also be used in a preliminary assessment of exposure.

### Warning:

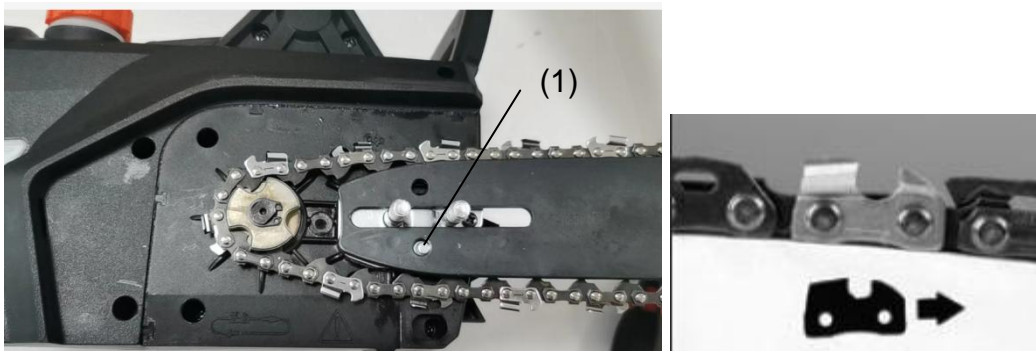
- that the vibration emission during actual use of the power tool can differ from the declared total value depending on the ways in which the tool is used; and
- of the need to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).
- Wear hearing protection.

## 3. ASSEMBLY

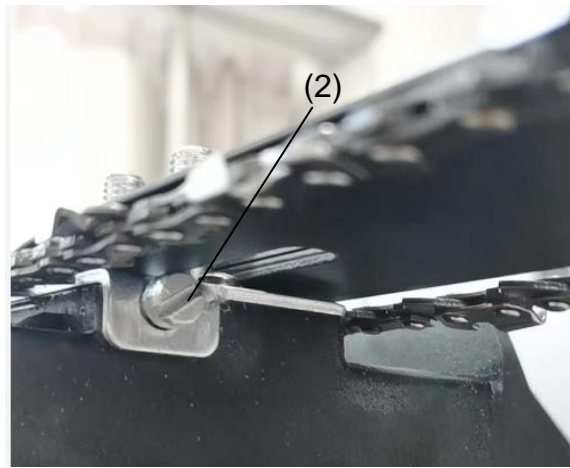
### ASSEMBLY OF THE CHAIN GUIDE

**IMPORTANT: The machine must not be started during assembly. Wear protective gloves when handling the blade.**

- 1) Remove chain cover by unscrew **2 fastening nuts** on chain cover.
- 2) Install the guide and mount the chain on the pinion and guide in the direction shown on the blade.
- 3) Place the saw chain around the sprocket. Make sure the slot in the guide bar is over the guidance



- 4) Make the rib (1) into the hole on guide bar first.
- 5) Attach the chain wheel guard
- 6) Tighten the fastening nuts only slightly
- 7) Tensioning the tension bolt (2) to until the chain lies on the underside of the saw rail.
- 8) Tighten the fastening nut .



Rotate the chain with your hand to check that it is turning without excessive resistance and that it is properly tightened.

Repeat the installation if the chain is not tight.

#### **ADJUSTING THE CHAIN TENSION**

The tool motor must be switched off before adjusting the chain tension.

Make sure that the chain is inside the groove of the guide. Hold the guide by its tip. Adjust the tension of the chain with the tension adjustment screw until the chain teeth touch the bottom of the guide.

Turn the chain tension adjustment screw clockwise until the chain is tight. Do not stretch the chain too much. Check the tension of the chain and check if the casing is properly tightened. If this is not the case, please repeat the procedure.

## **4. OPERATION**

Before using the chainsaw, inspect the work area. This must be cleared. Remove any branches, obstacles and other items that may cause damage during cutting.

The unit should always be filled with oil for blade lubrication. Check the level before the use and refill when necessary.

#### **FILLING WITH LUBRICATION OIL**

The tool always must be filled with lubrication oil (for the blade). Check the level oil the tank. When the oil arrives at the bottom level, the tank shall be completely filled.



To add lubrication oil, open the tank by removing the cap. Put directly the oil in the tank. Close the tank with its cap.



## STARTING AND STOPPING

**Note: Ensure the brake is working efficiently. Check its operation every time before commencing work with it.**

- Plug the tool to an extension cable. Plus then this extension to a socket outlet. You can put the cable on the cable holder(8) of the tool to hold it.
- Hold the tool with two hands, one on the rear handle, and one on the main handle.
- Push and hold the safety button(5) then push the ON/OFF switch(9).



- To stop the operation, release both buttons.

## MAIN SETTINGS

### 1) Release of the chain brake

Release the chain brake by pulling the front hand guard firmly towards the back of the electric chain saw, until a click is heard. To check the chain brake has been released, you should be able to move the chain by hand.



**Activating**



**Releasing**

## **2) Sharpening of the chain**

For best performance, we strongly recommend that you periodically sharpen the chain. The chain can either be sharpened by a professional or by yourself by providing you with a sharpening guide (make sure you know how to use it).

The chain must be sharpened when:

- Wood chips have become powder
- To make a normal cut, force on the tool
- The cut is not straight
- Vibration increases

## **3) Checking the lubrication of the chain**

Warning: Check the automatic oil function before each use.

Check the automatic operation of the chain lubrication by pointing the tip of the switched – on saw towards a piece of paper laying on the ground, if a patch of oil appears and becomes larger, then the automatic oil function is working.

## **4) Release of a jammed saw**

If the saw gets stuck during cutting, the operators should:

- Saw the saw and attach it securely to the cutting foot of the shaft (ie trunk side) or has a separate chord from the tool
- Pull the saw of the cluster while the branch is lifted, if necessary,
- If necessary, use a hand saw or a second chainsaw to release the chain saw.

## **CUTTING WORK**

The tool should only be used to cut trees. Do not use it for other applications. Do not attempt to remove the chainsaw when it is stuck during operation. Stop the machine and remove the wedge blade with a wedge.

Stick your feet well, keep a good balance and do not climb on the tree trunk.

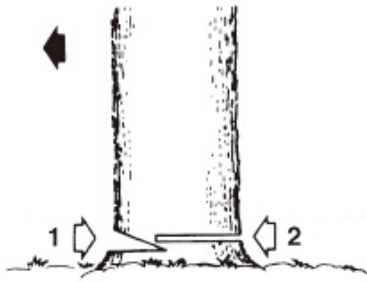
Try not to work on a slope. However, if you have to work on a slope, always stand higher than the tree trunk.

Before bending a branch or trunk in bending, observe the direction of bending and finish the cut opposite the bending side to prevent the chain guide from getting stuck in the cut.

## **FELLING OF TREES**

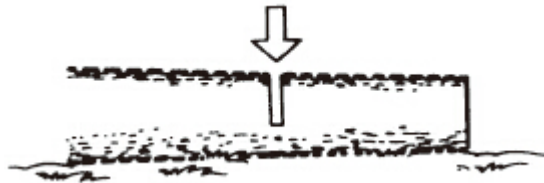
Examine the work area and estimate where the tree will fall. Start the machine as described above. Start by making a notch in the direction of fall chosen.

When the tree falls, shout or make a beep to alert people in the vicinity. When the shaft falls, move away from the cutting area.



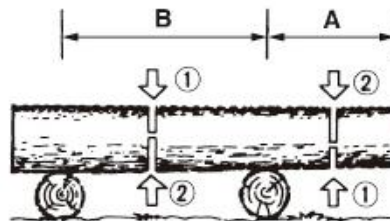
### TRUNK ON THE GROUND

Cut half of the trunk, turn it over and finish the cut on the other side.



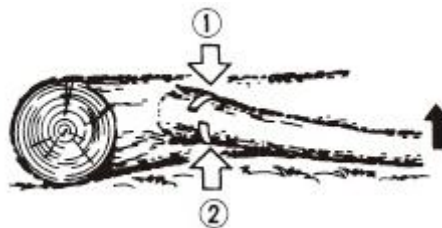
### TRUNK IN ELEVATION

Begin by cutting a first part from below and then from above. Then, on the second part, repeat this operation.



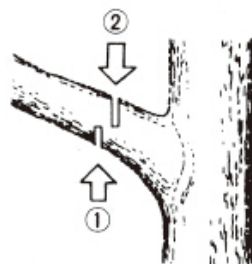
### PRUNING OF A FELLED TREE

Observe first the direction of flexion of the branch. Make a first notch on the side in flexion and finish the cut on the opposite side.



### PRUNING A TREE

Begin pruning by nicking the tree from below and then finish at the top.





# 5. MAINTENANCE AND STORAGE

## MAINTENANCE

Before any maintenance work, the machine must be switched off and completely cooled.

Perform the maintenance work according to the instructions below and perform them regularly. A clean, well-maintained machine increases its standard of living and efficiency. On the contrary, a machine maintained can cause damage, accidents and render the tool inoperable in the short term.

Any other maintenance, modification or repair work must be carried out by a qualified professional.

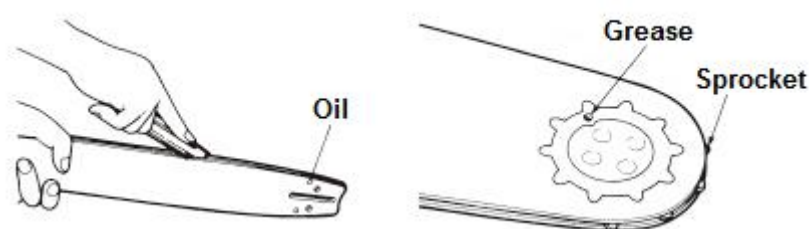
Do not immerse the tool in water or any other liquid.

### 1) After each use

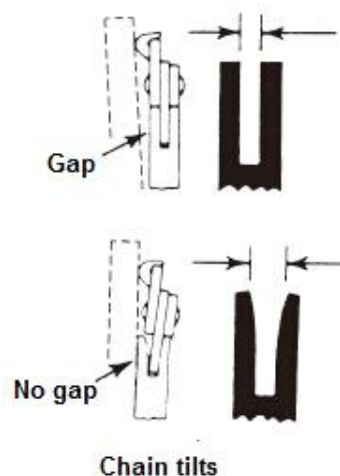
Keep saw body clean, use a soft cloth dampened with a mild soap and water mixture, wipe saw body to clean.

### 2) Guide bar

Cleaning: Remove bar guide to remove dirt from grooves and oil inlet. Regularly grease the pinion.

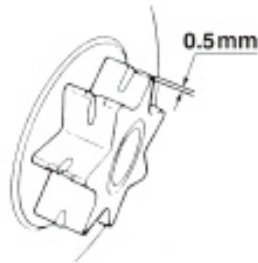


Check: Reverse the bar from time to time to avoid the effects of wear. The bar rail should always be in place. Use a ruler to observe it. If a gap is observed between them, then the rail is normal. Otherwise, the rail is worn out. A bar must be corrected or replaced.



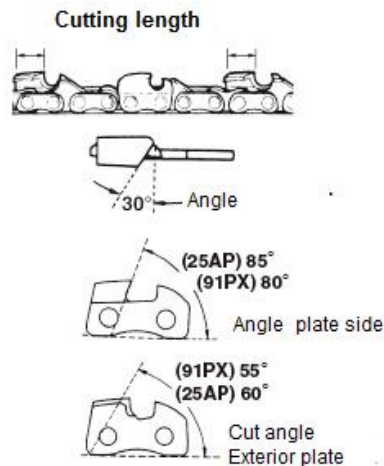
### 3) Sprocket

Check the sprocket on signs of wear. If wearing is important, replace it with a new one. Do not install a chain on a worn or damaged sprocket. Do not install a worn chain on a pinion.



#### 4) chain saw

Check each time the cutter and cutting angles are as shown below.



#### 5) Sharpening of the chain

For best performance, we strongly recommend that you periodically sharpen the chain. The chain can either be sharpened by a professional or by yourself by providing you with a sharpening guide (make sure you know how to use it).

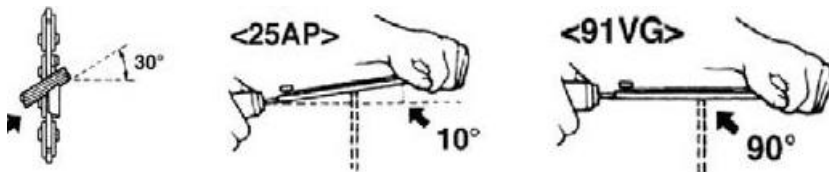
The chain must be sharpened when:

- Wood chips have become powder
- To perform a normal cut, force on the tool#
- The cut is not straight
- Vibration increase
- Fuel consumption has increased
- Sharpening method:

The chain saw must be switched off and locked before sharpening. Use a round file or sharpening device (see in store).

Place the file on the tooth and push straight. Shift with the same movement.

After sharpening all teeth, check if the teeth are sharp.



#### **STORAGE**

When storing, the tool must be turned off, cooled, emptied of fuel and thoroughly cleaned. Store the tool in a dry, clean place, preferably in its packaging, and out of the reach of children. Store all accessories and other items with the tool



## 6. DISPOSAL



Electrical products should not be discarded with household products. According to the European Directive 2012/19/EU on waste electrical and electronic equipment and its implementation into national law, electrical products used must be collected separately and disposed of at collection points provided for this purpose. Talk with your local authorities or dealer for advice on recycling.

## 7. DECLARATION OF CONFORMITY



**Declaration of conformity**

**BUILDER SAS**

**ZI, 32 rue Aristide Bergès – 31270 Cugnaux - France**

Declares that the machinery designated below:

**ELECTRIC CHAINSAW**

**RAC1836ECS**

Serial number: **20220532058-20220532657**

**Complies with the provisions of the Directive "machinery" 2006/42/EC and regulations  
National transposing it;**

**Also complies with the following European directives:**

EMC Directive 2014/30/EU

RoHS Directive(EU)2015/863 amending 2011/65/EU

Noise emission Directive 2000/14/EC Annex V and Directive 2005/88/EC

Guarantee sound power level: 107 dB(A)

Measured sound power level: 104,3 dB(A) K=3dB(A)

**Also complies with European standards, national standards and provisions following  
techniques:**

EN 60745-1:2009+A11:2010

EN 60745-2-13:2009+A1:2010

EN55014-1 :2017/A11 :2020

EN55014-1:2021

EN55014-2:2015

EN IEC 55014-2 : 2021

EN61000-3-2:2019/A1 :2021

EN61000-3-11:2019

**Notified body 0123**

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

**EC-Type Examination Certificate**

EC-type certification: No. M6A 038356 0391 Rev. 00

Responsible of the Technical file: Mr Patriaca

Cugnaux, 25/04/2022

Philippe MARIE / PDG

## 8. WARRANTY



### WARRANTY

The manufacturer guarantees the product against defects in material and workmanship for a period of 2 years from the date of the original purchase. The warranty only applies if the product is for household use. The warranty does not cover breakdowns due to normal wear and tear.

The manufacturer agrees to replace parts identified as defective by the designated distributor. The manufacturer does not accept responsibility for the replacement of the machine, in whole or in part, and/or ensuing damage.

**The warranty does not cover breakdowns due to:**

- insufficient maintenance.
- abnormal assembly, adjustment or operations of the product.
- parts subject to normal wear and tear.

**The warranty does not extend to:**

- shipping and packaging costs.
- using the tool for a purpose other than that for which it was designed.
- the use and maintenance of the machine done in a manner not described in the user manual.

Due to our policy of continuous product improvement, we reserve the right to alter or change specifications without notice. Consequently, the product may be different from the information contained therein, but a modification will be undertaken without notice if it is recognized as an improvement of the preceding characteristic.

**READ THE MANUAL CAREFULLY BEFORE USING THE MACHINE.**

When ordering spare parts, please indicate the part number or code, you can find this in the spare parts list in this manual. Keep the purchase receipt; without it, the warranty is invalid. To help you with your product, we invite you to contact us by phone or via our website:

- **+33 (0)9.70.75.30.30**
- **<https://services.swap-europe.com/contact>**

You must create a "ticket" via the web platform.

- Register or create your account.
- Indicate the reference of the tool.
- Choose the subject of your request.
- Describe your problem.
- Attach these files: invoice or sales receipt, photo of the identification plate (serial number), photo of the part you need (for example: pins on the transformer plug which are broken).



# 9. PRODUCT FAILURE

## WHAT TO DO IF MY MACHINE BREAKS DOWN?

### **If you bought your product in a store:**

- a) Empty the fuel tank if your product has one.
- b) Make sure that your machine is complete with all accessories supplied, and clean! If this is not the case, the repairer will refuse the machine.

Go to the store with the complete machine and with the receipt or invoice.

### **If you bought your product on a website:**

- a) Empty the fuel tank if your product has one.
- b) Make sure that your machine is complete with all accessories supplied, and clean! If this is not the case, the repairer will refuse the machine.
- c) Create a SWAP-Europe service ticket on the site: <https://services.swap-europe.com> When making the request on SWAP-Europe, you must attach the invoice and the photo of the nameplate (serial number).
- d) Contact the repair station to make sure it is available before dropping off the machine.

Go to the repair station with the complete machine packed, accompanied by the purchase invoice and the station support sheet downloadable after the service request is completed on the SWAP-Europe site

For machines with engine failure from manufacturers BRIGGS & STRATTON, HONDA and RATO, please refer to the following instructions.

Repairs will be done by approved engine manufacturers of these manufacturers, see their site:

- <http://www.briggsandstratton.com/eu/fr>
- <http://www.honda-engines-eu.com/fr/service-network-page;jsessionid=5EE8456CF39CD572AA2AEEDFD290CDAE>
- <https://www.rato-europe.com/it/service-network>

**Please keep your original packaging to allow for after-sales service returns or pack your machine with a similar cardboard box of the same dimensions.**

**For any question concerning our after-sales service you can make a request on our website <https://services.swap-europe.com>**

**Our hotline remains available at +33 (9) 70 75 30 30.**



# 10. WARRANTY EXCLUSIONS

## THE WARRANTY DOES NOT COVER:

- Start-up and setting up of the product.
- Damage resulting from normal wear and tear of the product.
- Damage resulting from improper use of the product.
- Damage resulting from assembly or start-up not in accordance with the user manual.
- Breakdowns related to carburetion beyond 90 days and fouling of carburetors.
- Periodic and standard maintenance events.
- Actions of modification and dismantling that directly void the warranty.
- Products whose original authentication marking (brand, serial number) has been degraded, altered or withdrawn.
- Replacement of consumables.
- The use of non-original parts.
- Breakage of parts following impacts or projections.
- Accessories breakdowns.
- Defects and their consequences linked to any external cause.
- Loss of components and loss due to insufficient screwing.
- Cutting components and any damage related to the loosening of parts.
- Overload or overheating.
- Poor power supply quality: faulty voltage, voltage error, etc.
- Damages resulting from the deprivation of enjoyment of the product during the time necessary for repairs and more generally the costs related to the immobilization of the product.
- The costs of a second opinion established by a third party following an estimate by a SWAP-Europe repair station
- The use of a product which would show a defect or a breakage which was not the subject of an immediate report and/or repair with the services of SWAP-Europe.
- Deterioration linked to transport and storage\*.
- Launchers beyond 90 days.
- Oil, petrol, grease.
- Damages related to the use of non-compliant fuels or lubricants.

\* In accordance with transport legislation, damage related to transport must be declared to carriers within 48 hours maximum after observation by registered letter with acknowledgement of receipt.

This document is a supplement to your notice, a non-exhaustive list.

**Attention:** All orders must be checked in the presence of the delivery person. In case of refusal by the delivery person, it you must simply refuse the delivery and notify your refusal.

**Reminder:** The reserves do not exclude the notification by registered letter with acknowledgement within 72 hours.

**Information:** Thermal devices must be wintered each season (service available on the SWAP-Europe site). Batteries must be charged before being stored.



**CE**

BUILDER SAS

32, rue Aristide Bergès - ZI 31270 Cugnaux – France

Made in PRC 2022