

# Chainsaw

# MG2502

*ANOVA*

*Instructions and user manual*



EN

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**Anova** We would like to congratulate you on choosing one of our products and guarantee the assistance and cooperation that has always distinguished our brand over time.

This machine is designed to last for many years and to be of great use if used according to the instructions in the user manual. We therefore recommend that you carefully read this instruction manual and follow all our recommendations.

For more information or questions, you can contact us through our web support at [www.anova.es](http://www.anova.es)

## INFORMATION ABOUT THIS MANUAL

Pay attention to the information provided in this manual and on the appliance for your safety and the safety of others.

- This manual contains instructions for use and maintenance.
- Take this manual with you when you go to work with the machine.
- The content is correct at the time of printing.
- We reserve the right to make changes at any time without affecting our legal responsibilities.
- This manual is considered an integral part of the product and must remain with it in case of loan or resale.
- Request a new manual from your distributor if it is lost or damaged.

## READ THIS MANUAL CAREFULLY BEFORE USING THE MACHINE



To ensure your machine delivers the best results, carefully read the usage and safety guidelines before using it.

## OTHER WARNINGS:

Improper use could cause damage to the machine or other objects.

Adapting the machine to new technical requirements could cause differences between the content of this manual and the product purchased.

Read and follow all instructions in this manual. Failure to follow these instructions could result in serious personal injury..

# INDEX

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1. SAFETY INSTRUCTIONS
2. PRODUCT DESCRIPTION
3. TECHNICAL SPECIFICATIONS
4. ASSEMBLY AND OPERATION
5. MAINTENANCE
6. PROBLEM SOLVING AND STORAGE
7. WARRANTY
8. ENVIRONMENT
9. PARTS BREAKDOWN
10. CE CERTIFICATE

# 1. SAFETY INSTRUCTIONS

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## 1.1. General safety instructions

### Important



Make sure to read and understand all safety instructions in this instruction manual, including all warning symbols, before using this tool. Failure to follow all instructions listed below may result in serious personal injury.

The dangers may arise from:

- Contact with the machine without protection (cuts)
- Sudden and unexpected movement of the sword (cuts)
- Ear damage, if the correct ear protection is not worn.
- Inhalation of toxic particles, exhaust gases from the combustion engine.
- Contact of gasoline with the skin
- Noise. It is inevitable that the machine will generate a certain level of noise. Noisy work on the road must be licensed and limited to certain periods. Rest periods must be respected and, where applicable, working hours limited to a minimum. For your personal protection and that of people working nearby, appropriate hearing protection must be used.
- Vibration. Warning: The actual vibration emission value during machine use may differ from that indicated in the manual or manufacturer's specifications. This may be due to the following factors; these should be taken into account before or during each use:
  - o If the machine is used correctly
  - o If the material cutting method and how it is processed is correct.
  - o The use of machine state is within the regulatory sphere.
  - o Sharpening condition of the cutting tool or actual cutting tool
  - o The grip handles are remounted on the optional vibration handles and are fixed to the machine body.
- If you notice an unpleasant sensation or skin discoloration on your hands after using the machine, take regular breaks. Failure to take adequate breaks could lead to hand-arm vibration syndrome.
- Always follow all local safety regulations that may restrict the use of the machine.

## 1.2. Safety symbols

This section shows and describes the safety symbols that may appear on this product. Read, understand, and follow all machine instructions before attempting to assemble and use it. To ensure safe operation and maintenance, the machine has embossed symbols. Take care not to make any mistakes when following these instructions.



Read, understand, and follow all warnings.



Danger of recoil. Beware of recoil chainsaw and avoid contact with the tip of the bar.



Do not operate the chainsaw with one hand.



Always use the chainsaw with both hands.



Appropriate ear, eye, and head protection should be worn.



Read the operator's instruction manual before operating this machine.



Always use safety and anti-vibration (AV) gloves when operate the device.



Always wear safety and non-slip boots when use the device.



The port for refueling  
*Position: near the fuel cap*



The port for refueling the chain's oil.  
*Position: near the oil cap*



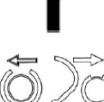
Operate the motor switch. When the switch is turned to the "O" position, the motor stops immediately.  
*Position: on the switch*



Turn the choke knob counterclockwise to close the choke; turn the choke knob clockwise to open the choke.  
*Position: rear right side of the rear handle*



The screw under the "H" seal is the high-speed mixture adjustment screw.  
The screw under the "L" seal is the low-speed mixture adjustment screw.  
The screw above the "T" seal is the idle speed adjustment screw.  
*Position: rear left handle*



Indicates the directions in which the chain brake is released (white arrow) and activated (black arrow).  
*Position: Front of the clutch cover.*



Shows the installation direction of the saw chain.  
*Position: In front of the clutch cover.*



Guaranteed sound power level



The port where the oil bubble is located.  
*Position: rear left handle*



Carburetor antifreeze mechanism  
Antifreeze mode



Normal operating mode



The spark plug location port

### 1.3. General safety instructions

Read all safety warnings, instructions, illustrations, and specifications provided with this tool. Failure to follow all instructions listed below may result in serious injury to both persons and damage to the unit.

Keep all warnings and instructions for future reference.

#### 1.3.1. Workplace safety

- Keep your work area clean and well-lit. Cluttered or dark areas invite accidents.
- Do not use power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dusts. Power tools create sparks that can ignite dust or vapors.
- Keep children and other people and/or pets away while using a power tool (battery operated).
- Distractions can cause you to lose control.
- Avoid hazardous environments: do not use tools in damp or wet places.

#### 1.3.2. Before using the product

- Before using our products, please read this manual carefully to understand the proper use of your unit.
- Never operate a chainsaw when you are fatigued, sick, or upset, or under the influence of medications that may make you drowsy, or if you are under the influence of alcohol or drugs.
- Use the chainsaw only in well-ventilated areas. Never start or run the engine in an enclosed room or building. Exhaust fumes contain carbon monoxide, a dangerous gas.
- Never cut down trees in strong winds, bad weather, poor visibility, or very high or low temperatures. Always check the tree for dead branches that may fall during felling.
- Wear slip-resistant safety shoes, close-fitting clothing, and eye, ear, and head protection. Wear anti-vibration (AV) gloves.

A condition called Raynaud's phenomenon, which affects the fingers of some people, is believed to be triggered by exposure to vibration and cold. Symptoms include discoloration and numbness in the fingers. The following precautions are strongly recommended, as the minimum exposure that could trigger the condition is unknown. Keep your body warm, especially your head, neck, feet, ankles, hands, and wrists. Maintain good blood circulation by performing vigorous arm exercises during frequent breaks and by avoiding smoking. Keep your saw chain sharp and the saw, including the AV system, in good working order. A dull chain will increase cutting time, and pressing it against the wood will increase vibrations transmitted to your hands. A saw with loose components or damaged or worn AV dampers will also tend to have higher vibration levels. Limit operating hours.

All the precautions mentioned above do not guarantee that you will not get breast cancer.

- Always exercise caution when handling fuel. Clean up any spills and move the chainsaw at least three (3) meters away from the refueling point before starting the engine.

- Eliminate all sources of sparks or flames (i.e., smoking, open flames, or work that may cause sparks) in areas where fuel is mixed, poured, or stored.
- Do not smoke while handling fuel or while operating the chainsaw.
- Do not allow other people near the chainsaw when starting the engine or cutting wood.
- Keep people and animals out of the work area. Children, pets, and people in the immediate vicinity should be kept at least 10 m (30 ft) away when starting or using the chainsaw.
- Never begin cutting until you have a clear work area, a secure foothold, and a planned retreat route from the falling tree.
- Always hold the chainsaw firmly with both hands when the engine is running. Grip it firmly with your thumb and other fingers around the handles.
- Keep your entire body away from the saw chain when the motor is running.
- Before starting the engine, make sure the chain is not in contact with anything.
- Always transport the chainsaw with the engine off, the bar and chain of the saw back and silencer away from the body.
- Always inspect the chainsaw before each use for worn, loose, or replaced parts. Never use a damaged, improperly adjusted, or incompletely assembled and secure chainsaw. Ensure the saw chain stops when you release the throttle control trigger.
- All chainsaw servicing, except for the items listed in the Operator's Manual, must be performed by competent service personnel. (For example, using improper tools to remove the flywheel, or using an improper tool to hold and remove the clutch, could cause structural damage to the flywheel that may subsequently lead to its disintegration.)
- Always turn off the engine before supporting it.
- Take extra care when cutting small shrubs and saplings because the thin material can get caught in the saw chain and be thrown towards you or cause you to lose your balance.
- When cutting a branch that is under tension, be careful of the rebound so as not to be injured.
- struck when the tension in the wood fibers is released.
- Keep handles dry, clean, and free of oil or fuel mixture.
- Protect yourself against kickback. Kickback is the upward movement of the bar that occurs when the saw chain, at the tip of the bar, makes contact with an object. Kickback can cause a dangerous loss of control of the chainsaw.
- When transporting your chainsaw, make sure the correct bar cover is in place.
- Securely position the machine during transport to prevent fuel loss, damage, or injury.



Touch an object or when the wood closes and pinches the saw chain in the cut. In some cases, contact with the tip can cause an ultra-fast reverse reaction, propelling the bar upward and backward, toward the operator. Pinching the saw chain along the top of the bar can quickly push it backward.



Any of these reactions can cause you to lose control of the saw, which could result in serious personal injury. Do not rely solely on the safety devices built into your chainsaw. As a chainsaw user, you must take several precautions to prevent accidents or injuries while cutting.



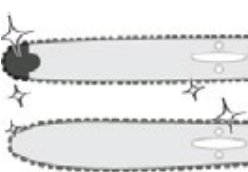
(1) With a basic understanding of the counterattack, the element of surprise can be reduced or eliminated. Sudden surprise contributes to accidents.



(2) Firmly grip the chainsaw with both hands, your right hand on the rear handle and your left hand on the front handle, when the engine is running. Grip it firmly with your thumbs and fingers wrapped around the chainsaw handles. A firm grip will help reduce kickback and maintain control of the chainsaw. Do not let go.



(3) Ensure the area where you are cutting is free of obstructions. Do not allow the tip of the blade to touch a log, branch, or any other obstruction that could be struck while operating the saw.



(4) Cut at high engine speeds.

(5) Do not extend too far or cut above shoulder height.

(6) Follow the manufacturer's sharpening and maintenance instructions for the saw chain.

(7) Use only replacement bars and chains specified by the manufacturer or equivalent.

## 1.4. Residual risks

### **⚠ Important**

Even if it complies with the relevant product safety regulations, residual risks may exist given the characteristics of the equipment and the work for which it has been designed.

Failure to follow the instructions contained in the instruction manual may result in other residual risks due to improper use.

Residual risks can be minimized by following safety instructions.

- You will reduce the risk of personal injury and damage to equipment if you follow these instructions and are careful.
- Failure to comply with these safety instructions may result in injury to the operator or damage to property.
- Lack of care, improper use, or failure to comply with safety regulations can result in injuries to the hands and fingers when the wedge is in motion.
- There is a risk of electrocution if you use non-approved electrical connections.
- There is a risk of hearing loss when working with the machine without protection for long periods.

*Note: Even if you take preventive measures, there may be residual, non-obvious risks.*

**⚠ Warning**

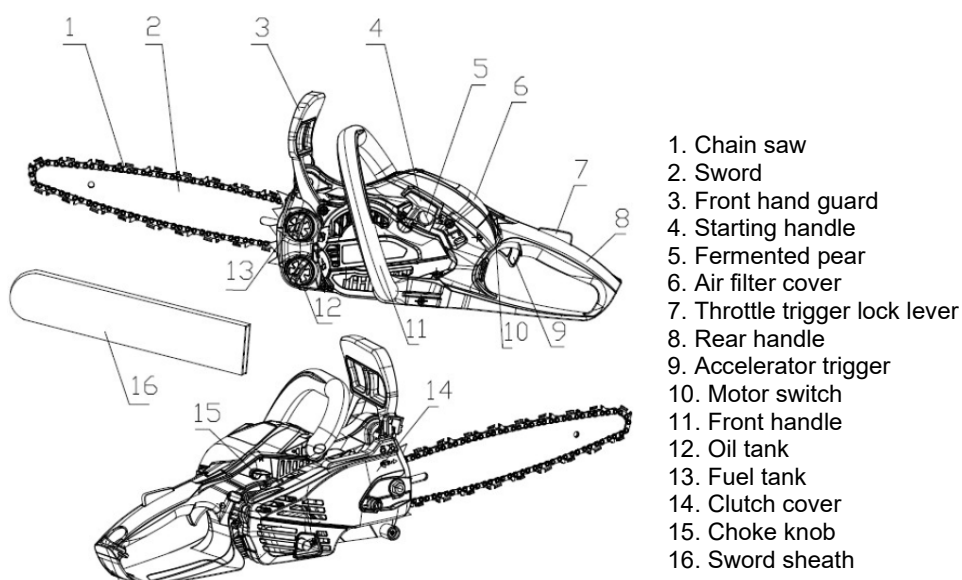
This power tool generates a magnetic field during operation. Under certain circumstances, this field may interfere with the function of active or passive medical implants. To reduce the risk of serious injury or death, we recommend that individuals with a medical implant consult a physician and the implant manufacturer before using this device.

*Note: In this manual, we refer to power tools when we mean tools powered by a cord or via a battery pack (cordless).*

## 2. PRODUCT DESCRIPTION

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### 2.1. Machine parts



1. Chain saw
2. Sword
3. Front hand guard
4. Starting handle
5. Fermented pear
6. Air filter cover
7. Throttle trigger lock lever
8. Rear handle
9. Accelerator trigger
10. Motor switch
11. Front handle
12. Oil tank
13. Fuel tank
14. Clutch cover
15. Choke knob
16. Sword sheath

*Note: Due to technical product updates, this document is subject to change without notice. Not all accessories are included with the product delivery and may need to be purchased separately.*

### 2.2. Intended use

The chainsaw is suitable for cutting logs, squared timber, and branches, depending on the available cutting length. It is for use with wood only. Appropriate personal protective equipment (PPE) must be worn, according to the instructions for use, during operation. This product is designed for use by a trained operator. Damage or injury resulting from improper use is the responsibility of the user/operator. Those operating the machine must be trained and familiar with this product and be aware of all potential hazards.

Furthermore, all applicable accident prevention regulations must be strictly observed. Other general safety guidelines, within the limits established by occupational health and safety regulations, must also be considered. Any modification to the machine completely voids the manufacturer's warranty and any resulting damages. This equipment is designed for home gardening use.

**⚠ Warning**

Risk of injury. Never use the machine with a damaged guard or protective device, or without a guard/protective device.

To avoid serious personal injury, always remove the battery and keep your hands away from the variable speed trigger when carrying the tool.

### 3. TECHNICAL SPECIFICATIONS

Characteristics	
Engine displacement	25cc
Power	1.2 HP - 0.9 KW
Mixture type (fuel:oil)	50:1
Fuel tank capacity	170cm <sup>3</sup>
Oil type chain	SAE#10W-30
Oil tank capacity	140cm <sup>3</sup>
Carburetor type	Diaphragm
Idle speed range	3000±300 /min
Maximum chain speed	24,765 m/s
Pinion Teeth x Tilt:	6Tx0.375in (9.525mm)
Dimensions (LxWxH)	400x220x220mm
Sword	12" - 3/8BP- 050" 1.3 mm
Chain	45E - 3/8BP - 050" 1.3 mm
Weight	2.75 kg
Sound pressure level in the operating position (EN ISO 22868)	98.2 dB(A)
Uncertainty of the declared value (2006/42CE)	3 dB(A)
Acoustic power level (EN ISO 22868)	109.6 dB(A)

*Note: Due to technical product updates, this document is subject to change without notice.*

### 4. ASSEMBLY AND OPERATION

#### 4.1. Unpacking

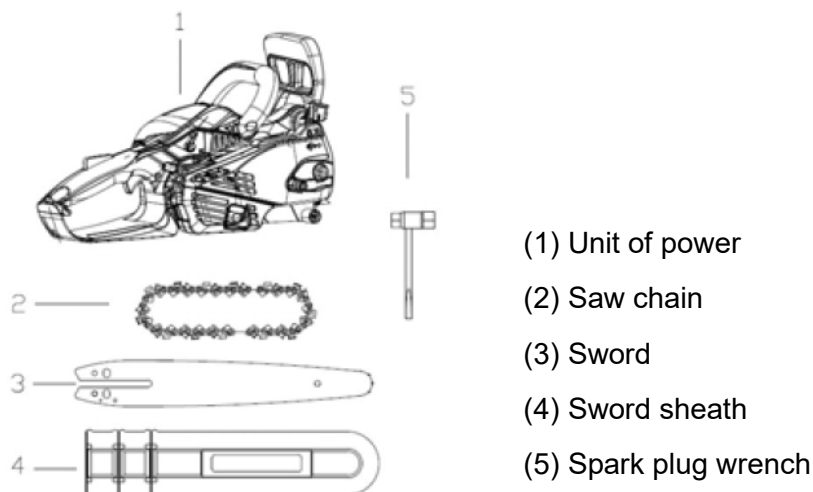
After unpacking the product, check the contents of the box:

- Place the shipping box on a solid, flat surface.
- Verify that all blower parts and accessories are in the box before beginning assembly.

**⚠ Attention**

Make sure it contains all the listed materials. Check that it has not been damaged in transit. Do not discard the packaging material until you have carefully inspected and successfully used the tool.

Immediately inform the distributor or supplier of any damage or missing parts, as claims made after this date will not be recognized.



(1) Unit of power

(2) Saw chain

(3) Sword

(4) Sword sheath

(5) Spark plug wrench

## 4.1. Mounting

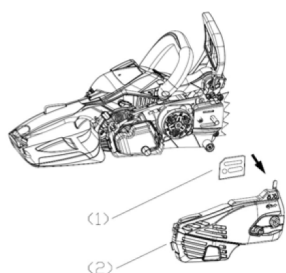
### ▲ Warning

If any part is damaged or missing, do not use this product until the part is replaced. Using this product with damaged or missing parts could result in serious personal injury.

Do not attempt to modify this product or create accessories not recommended for use with this blower. Any such alteration or modification constitutes misuse and could result in a dangerous condition that could cause serious personal injury, voiding the warranty.

To prevent accidental starting that could cause serious personal injury, always remove the plug/battery pack from the tool when mounting parts, making adjustments, cleaning, or when not in use.

### 4.1.1. Installation of the sword and chain

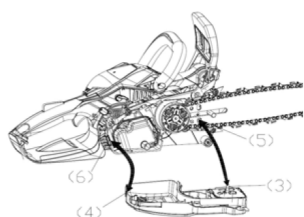


The saw chain has very sharp edges. Wear protective gloves for safety.

1. Pull the guard towards the front handle to check that the chain brake is not engaged.

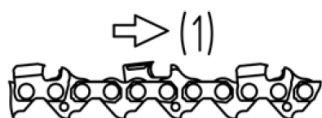
2. Loosen the nuts, then remove the clutch cover (2) and the spacer (1).

3. Engage the chain on the sprocket and, while the saw chain is being wound around the bar, mount the bar onto the power unit. Make sure the pin



(4) Insert the clutch cover into the hole (6) in the engine base. Install the chain tensioner nut.

(3) in the lower hole (5) of the sword, then install the clutch cover and tighten the mounting nut by hand.



(1) Direction of movement

While holding the tip of the sword, adjust the chain tension by turning the tensioning screw until the tie-down straps touch the underside of the sword rail.



Tighten the nuts firmly with the tip of the spade held in place (12–15 Nm). Then, check the chain for smooth rotation and proper tension while moving it by hand. If necessary, readjust with the chain cap loosened.

Adjust the chain tensioner screw.

(1) Turn left: If the chain loosens

(2) Turn right: If you tighten the chain

Maintaining proper chain tension is very important. Rapid wear of the bar or chain that comes off easily can be caused by improper tension. Especially when using a new chain, take good care of it, as it needs to expand when used for the first time.

The nose guard belongs to the chainsaw. It must be screwed onto the chainsaw before initial use. Please secure the nose guard with the two screws on the front of the chainsaw.

#### 4.1.2. Fuel

The engines are lubricated with oil specially formulated for use in air-cooled, two-stroke gasoline engines. If this oil is unavailable, use a quality oil specifically labeled for air-cooled, two-stroke engines.

##### RECOMMENDED MIXING RATIO GASOLINE 50: OIL 1

These engines are certified to run on unleaded gasoline.

Gasoline, per liter	Two-stroke oil, milliliter
	2% (1:50)
1	20
5	100
10	200
20	400

#### ⚠ Warning

The fuel is highly flammable. Do not smoke or bring flames or sparks near the fuel.

#### ⚠ Important

1. FUEL WITHOUT OIL (GASOLINE) – Will cause serious damage to internal engine parts very quickly.

2. OIL FOR 4-STROKE ENGINES OR WATER-COOLED 2-STROKE ENGINES: May cause fouling of the spark plugs, blockage of the exhaust port or sticking of the piston rings.



#### 4.1.3. How to mix fuel

1. Measure the amounts of gasoline and oil to be mixed.
2. Put some of the gasoline into a clean, approved fuel container.
3. Pour in all the oil and shake well.
4. Pour in the rest of the gasoline and shake again for at least a minute.

Place a clear warning on the outside of the container to avoid mixing with gasoline or other substances.

#### 4.1.4. Chain oil

Use special saw oil year-round.

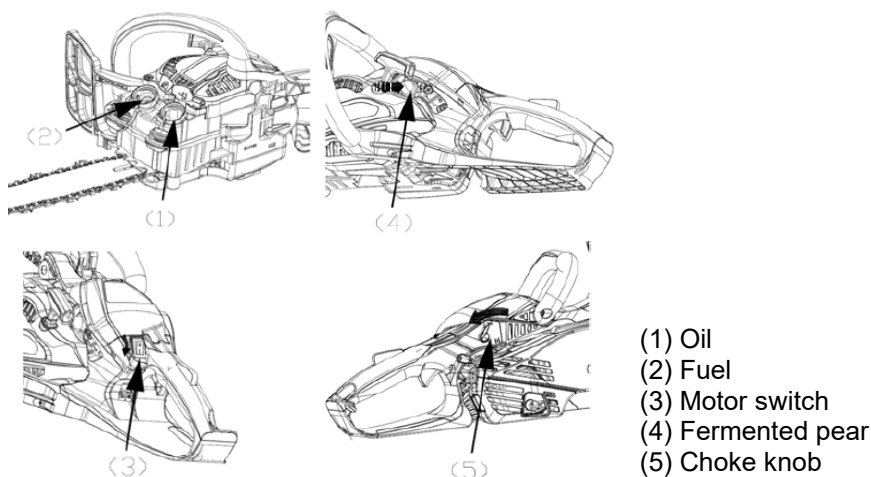
*Note: Do not use waste or reclaimed oils that may damage the oil pump.*



## 4.2. Start-up

### 4.2.1. Engine start

1. Unscrew and remove the fuel tank cap and the oil cap. Place the cap in a dust-free location.
2. Place fuel in the fuel tank and fill the chain oil in the oil tank to 80% of its total capacity.
3. Make sure to close the fuel cap and oil cap securely and clean up any fuel spills around the unit.
4. Set the switch to the "I" position.
5. Continuously squeeze the priming bulb until fuel enters the bulb.

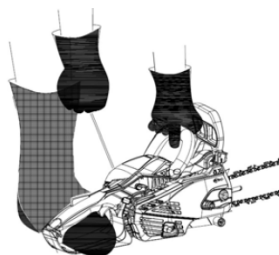


6. Pull the choke knob. It will close and the throttle lever will return to its initial position.

*Note: When restarting immediately after stopping the engine, place the choke in the open position.*

Once the choke knob is turned counterclockwise, it will not return to the operating position, even if you press the throttle trigger or the knob with your finger. To return it to the operating position, press the throttle trigger.

7. Push the front handle guard down to activate the chain brake.
8. While holding the saw unit firmly on the ground, pull vigorously on the starter handle.
9. When firing, press the throttle trigger to return the choke to the drive position and pull the starter handle to start the engine. 10. Lift the front handle guard toward the front handle to release the brake. Then, let the engine warm up with the throttle lightly depressed.

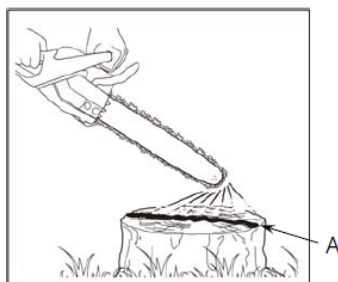


### **▲ Warning**

Before starting the engine, make sure the saw chain is not in contact with any object. Ensure the chain brake is engaged before each start.

#### **4.2.2. Oil supply check**

After starting the engine, run the chain at medium speed and see if the chain oil disperses as shown in the figure.



A. Chain oil

**⚠ Important**

The oil tank should be almost empty when the fuel runs out. Be sure to refill it every time you refuel the chainsaw.

**4.2.3. Checking the operation of the clutch**

Before each use, you must confirm that there is no movement of the chain when the chainsaw is idling.

During operation, the machine must always be held firmly with both hands, with the left hand on the front handle and the right hand on the rear handle, even if the operator is left-handed.

**4.2.4. Carburetor adjustment**

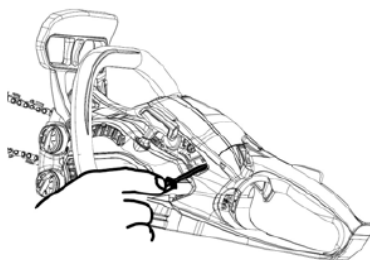
Your unit's carburetor has been factory adjusted, but may require fine-tuning due to changes in operating conditions.

Before adjusting the carburetor, make sure that clean air/fuel filters and fresh, properly mixed fuel are provided.

When making the adjustment, follow these steps:

**⚠ Important**

Make sure to adjust the carburetor with the spade chain in place.



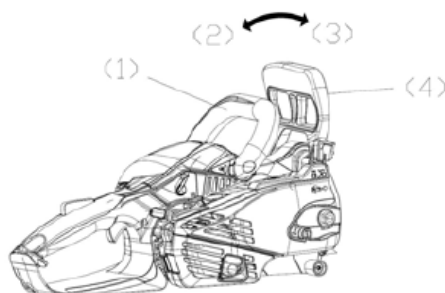
1. The H and L needles are restricted within the number of turns as shown below:  
Needle H –1/4  
Needle L –1/4
2. Start the engine and let it warm up at low speed for a few minutes.
3. Turn the idle speed adjustment screw (T) counterclockwise to prevent the saw chain from rotating. If the idle speed is too low, turn the screw clockwise.
4. Perform a test cut and adjust the H needle for the best cutting power, not for maximum speed.
  - (1) Idle adjustment screw
  - (2) L Needle
  - (3) Needle H

**4.2.5. Chain brake**

The chain brake is a device that stops the chain instantly if the chainsaw kicks back due to kickback.

Normally, the brake is activated automatically by inertia. It can also be activated manually by pushing the brake lever (front handlebar guard) down.

When the brake is applied, a white cone appears from the base of the brake lever.



(1) Front handle (2) Release (3) Brake (4) Front handle guard

To release the brake, pull up the front handle guard until you hear a "click" sound.

### **⚠ Warning**

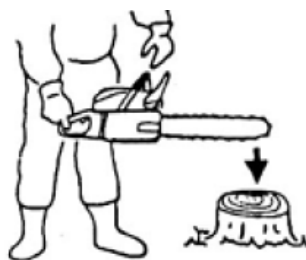
When the brake engages, release the accelerator lever to reduce engine speed. Continuous operation with the brake applied will generate heat in the clutch and could cause problems.

Make sure to confirm brake operation during daily inspection.

How to confirm:

1. Turn off the engine.
2. Holding the chainsaw horizontally, release your hand from the front handle, tap the tip of the bar against a stump or piece of wood, and confirm the braking. The level of operation varies depending on the bar size.

If the brake is not effective, please request inspection and repair from our dealership.



### Carburetor antifreeze mechanism

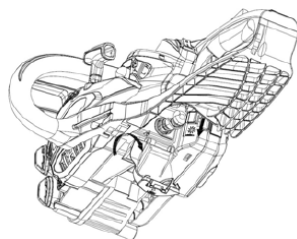
Operating chainsaws at temperatures of 0 to 5 °C in high humidity can cause ice to form inside the carburetor, which in turn can reduce the engine's power output or cause the engine to malfunction.

This product has been designed with a ventilation flap on the right side of the cylinder head surface to allow warm air to be supplied to the engine and thus prevent ice formation.

Under normal circumstances, the product should be used in normal operating mode, i.e., in the mode it is configured in at the time of shipment.

However, when there is a possibility of ice formation, the unit should be set to operate in antifreeze mode before use.

If you continue to use the product in antifreeze mode even after temperatures have risen and returned to normal, it may cause the engine to not start properly or to not run at its normal speed, and for this reason you should always make sure to return the unit to normal operating mode if there is no danger of ice forming.

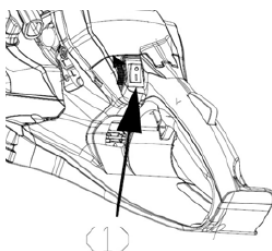


#### How to switch between operating modes

1. Turn the engine switch to turn it off.
2. Open the spark plug cover and you will be able to see the ice cap.
3. Use your hand to move down the layer of frosting so that the "snow" mark is exposed.
4. Close the spark plug cap.

#### Stopping the engine

1. Release the accelerator trigger to allow the engine to idle for a few minutes.
2. Place the switch in the "O" (STOP) position.



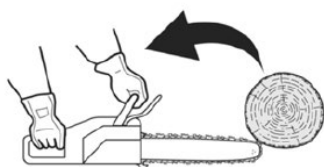
(1) Motor switch

### 4.3. Court

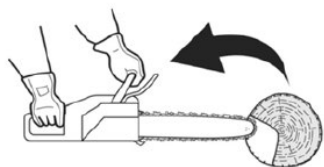


It is recommended to practice sawing easy-to-cut logs first. This will also help you become familiar with the unit.

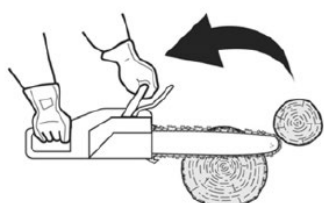
Always follow all safety rules that may restrict the use of the machine.



Always follow safety guidelines. The chainsaw should only be used for cutting wood. Cutting other types of materials is prohibited. Vibrations and kickback vary depending on the material, so safety guidelines would not be met. Do not use the chainsaw as a lever to lift, move, or break objects. Do not lock it onto fixed supports. Attaching tools or attachments not specified by the manufacturer to the power take-off (PTO) is prohibited.



There's no need to force the saw to make the cut. Apply only light pressure while the motor is running at full power.



It is recommended to perform a daily inspection before use and after drops or other impacts to identify any significant damage or defects.

Revvng the engine with the chain stuck in a cut can damage the clutch system. If the saw chain gets stuck in the cut, don't try to force it out; instead, use a wedge or lever to open it.

### Kickback protection

This saw is also equipped with a chain brake that will stop it in case of kickback if it is working correctly. You should check the chain.

Check the brake operation before each use by running the chainsaw at full throttle for 1 or 2 seconds and pushing the front hand guard forward. The chain should stop immediately with the engine at full speed. If the chain is slow to stop or does not stop, replace the brake band and clutch drum before use.



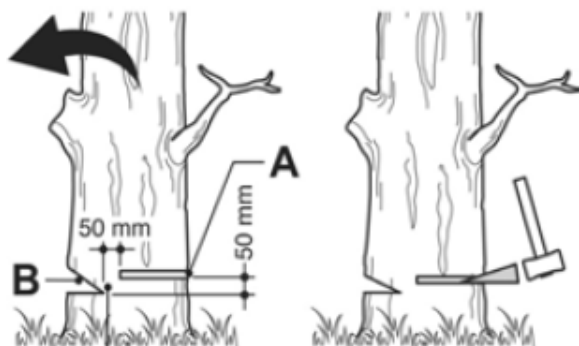
It is essential to check that the chain brake is working properly before each use and that the chain is sharp to maintain safety against kickback from this saw. Removing safety devices, improper maintenance, or incorrect replacement of the bar or chain can increase the risk of serious personal injury from kickback.

#### 4.3.1. Fell a tree

1. Decide the felling direction taking into account the wind, the inclination of the tree, the location of heavy branches, the ease of work after felling, and other factors.
2. While clearing the area around the tree, prepare a good foothold and a retreat route.
3. Make a notch one third of the way to the tree, on the felling side.
4. Make a felling cut from the opposite side of the notch and at a level slightly higher than the bottom of the notch.

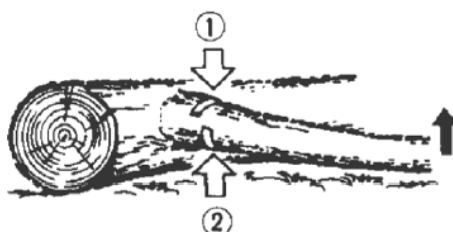
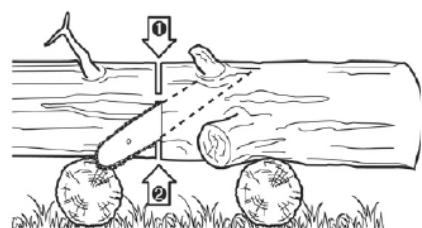
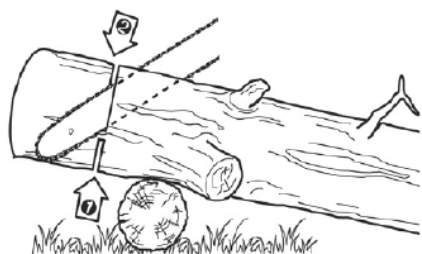
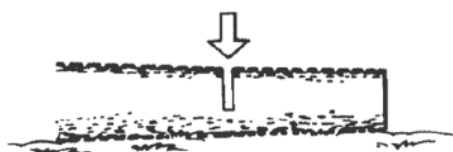
#### **▲ Warning**

When cutting down a tree, be sure to warn neighboring workers about the danger.



(A) Logging (B) Notch cut (3) Logging direction

### 4.3.2. Felling and delimiting



1. Always make sure you have a firm support point and maintain the stability of the tree.
2. Be alert for a cut log toppling over.
3. Read the instructions in "For safe operation" to avoid kickback from the saw.
4. Before starting work, check the direction of the bending force within the log to be cut.

Always finish cutting from the opposite side to the bending direction to prevent the sword from getting caught in the cut.

#### Cutting an unsupported log

Cut the log in half, then turn it over and cut from the opposite side.

#### Cutting a leaning log

In area A of the image above, cut from the bottom third upwards and finish by cutting from the top. In area B, cut from the top third downwards and finish by cutting from the bottom.

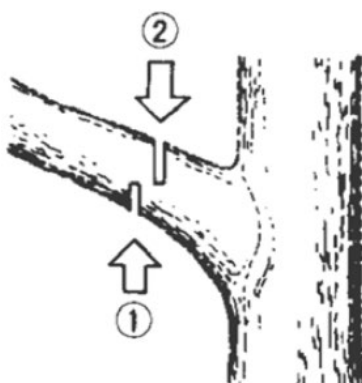
#### Delimiting a felled tree

First, check which way the limb is bent. Then, make a shallow cut on the compressed side to prevent tearing. Cut from the taut side.

*Note: Be alert for rebound of a severed limb.*

### 4.3.3. Pruning

Cut from the bottom and finish from the top.



1. Do not use an unstable support or a stepladder.
2. Don't make it too long.
3. Do not cut above shoulder height.
4. Always use both hands to hold the saw.

**⚠ Warning**

The spiked bumper must always be in place when using the chainsaw on logs. Push the spiked bumper toward the log using the rear handle. Push the front handle in the direction of the cut. The spiked bumper should remain in place to guide the saw if needed. Using a spiked bumper when cutting trees and thick branches ensures your safety and reduces effort and vibration.

If there is a barrier between the cutting material and the chainsaw, turn off the machine. Wait until it comes to a complete stop. Put on your safety gloves and remove the barrier. If the chain needs to be removed, follow the instructions for the relevant part, such as installation, in the manual. Perform a functional test after cleaning and reinstallation. If you detect vibrations or mechanical noises, stop using the machine and contact your dealer.

## 5. MAINTENANCE

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**⚠ Warning**

When performing maintenance, use only manufacturer-approved replacement parts. Using any other part may create a hazard or damage the product. For safety and reliability, all repairs must be performed by an authorized dealer/distributor.

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents. Use clean cloths to remove dirt, dust, oil, grease, etc.

All maintenance, except for the items listed in these maintenance instructions, must be performed by your authorized dealer. If you have any doubts, do not perform any maintenance without first consulting your dealer.

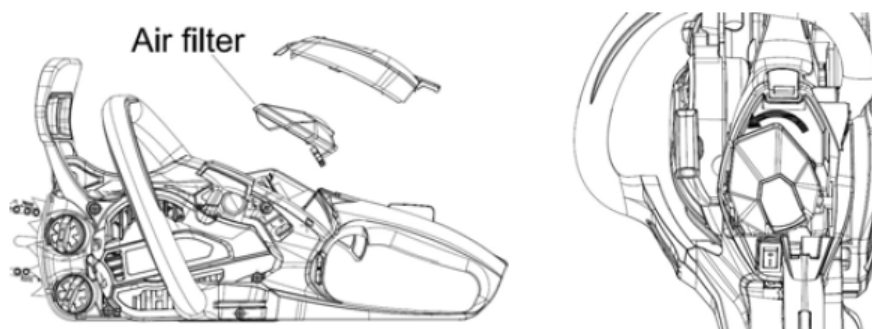
Before cleaning, inspecting, or repairing your unit, make sure the engine is off and cool. Disconnect the spark plug to prevent accidental starting.

Follow the instructions for regular maintenance, pre-operational procedures, and daily maintenance routines. Improper maintenance can cause serious damage to the machine.

### 5.1. Maintenance after each use

#### 5.1.1. Air filter

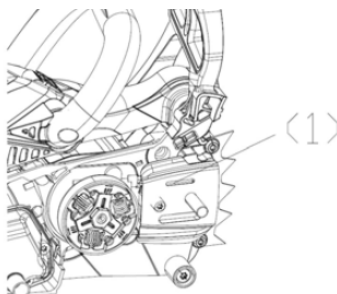
Dust can be removed from the surface of the cleaner by tapping a corner of it against a hard surface. To clean dirt from the mesh, split the cleaner in half and apply gasoline with a brush. If using compressed air, blow from the inside.



To assemble the cleaner halves, press the edge until it clicks.

### 5.1.2. Lubrication port

Remove the sword and check that the lubrication port is not obstructed.

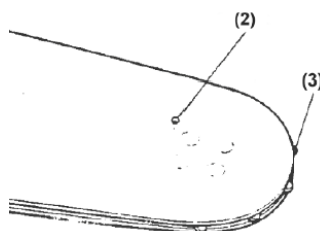
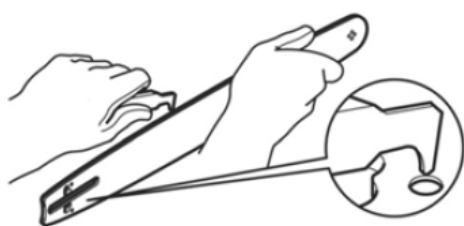


(1) Lubrication port

### 5.1.3. Sword

When disassembling the sword, remove the sawdust from the sword groove and the lubrication port.

Grease the nose sprocket from the feed port at the tip of the blade.



(2) Grease point

(3) Pinion

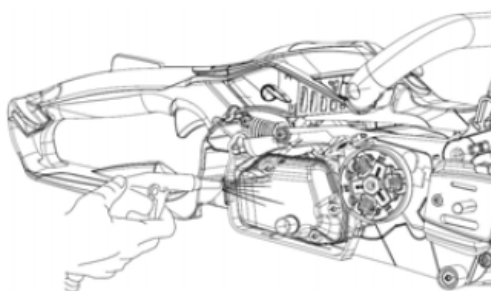
### 5.1.4. Others

Check for fuel leaks, loose fasteners, or damage to major components, especially the handlebar joints and the fork bracket. If you find any defects, repair them before using the motorcycle again.

## 5.2. Periodic maintenance

### 5.2.1. Cylinder fins

Dust accumulation between the cylinder fins will cause the engine to overheat. Check and clean the cylinder fins periodically after removing the clutch cover.

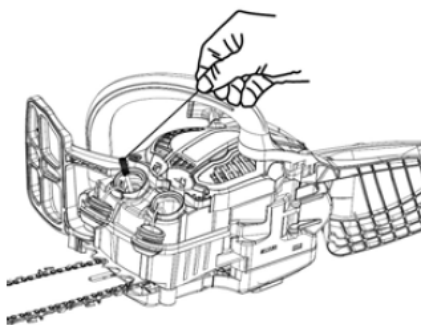


### 5.2.2. Fuel filter

- Using a wire hook, remove the filter from the fill port.
- Remove the filter and wash it with gasoline, or replace it with a new one if necessary.
- When assembling the filter, be careful not to leave any filter fibers or dust inside the suction tube.

#### **⚠ Important**

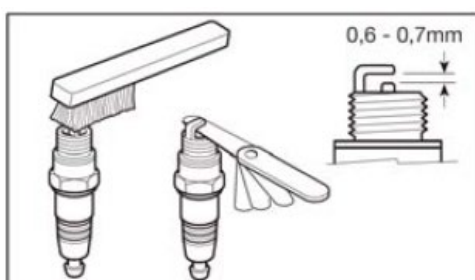
After removing the filter, use pliers to hold the end of the suction tube.



### 5.2.3. Spark plug

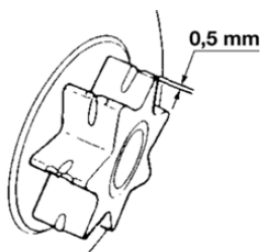
Clean the electrodes with a wire brush and restore the gap to 0.65 mm as needed.

*Spark plug type: Champion RY4C – TORCH CMR6A*



### 5.2.4. Pinion

Check for cracks or excessive wear that might interfere with chain transmission. If the wear is significant, replace the chain with a new one. Never install a new chain on a worn sprocket, or a worn chain on a new sprocket.



### 5.2.5. Front and rear shock absorbers

Replace if the bonded part is detached or a crack is visible in the rubber part. Replace if the stop bolt has hit the inside of the rear shock absorber metal and the metal clearance has increased.

#### **⚠ Warning**

Use only the replacement parts listed in this manual. Using other replacement parts may cause serious injury.

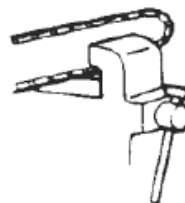
## 5.3. Sword and chain maintenance

### 5.3.1. Chain

It is very important for smooth and safe operation to keep the blades sharp at all times.

You need to sharpen your cutters when:

- The sawdust turns into powder.
- Additional force is needed to cut.
- The cutting path is not straight.
- The vibration increases.
- Fuel consumption increases.


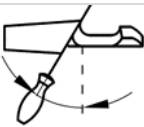
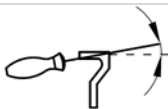
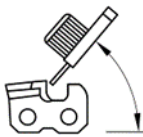
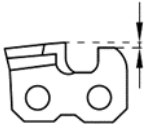
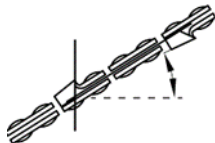


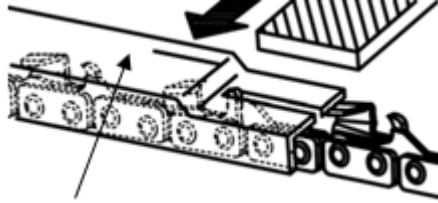
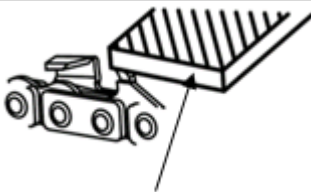


### 5.3.2. Cutting adjustment standards

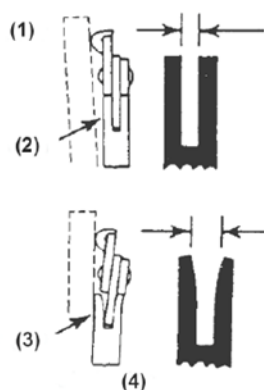
- Make sure to wear safety gloves.
- Make sure the saw chain is securely fastened.
- Make sure the engine is stopped.
- Use a round file of the appropriate size for your chain.
- File size: 5/32" (4.0 mm) for all models.
- Place the file on the blade and push it forward. Keep the file in the position shown in the illustration.
- After adjusting each cutter, check the depth gauge and file it to the appropriate level as illustrated.

#### **⚠ Warning**

Make sure to round the front edge to reduce the possibility of the fastening strap snapping or breaking.

	File diameter	Angle of the top plate	Lower angle	Angle of inclination(55°)	Depth gauge standard
Chain type					
		Screw rotation angle	Screw tilt angle	Lateral angle	
					
91P	5/32"	30°	0°	80°	0.025"
E1-25	5/32"	30°	10°	85°	0.025"
T23P	5/32"	30°	10°	85°	0.025"
					
Depth gauge				Lime	

### 5.3.3. Sword



Invert the sword occasionally to prevent partial wear.

The guide rail must always be square. Check the rail for wear. Place a straightedge across the guide rail and the outside of a milling cutter. If there is a gap between them, the rail is normal. Otherwise, the rail is worn. In this case, the guide rail needs to be repaired or replaced.

(1) Rule (2) Space (3) No space (4) The chain is slanted

The table contains a list of all possible combinations of sword and chain:

Chain step	Sword			Chain
	Length [in/mm]	Greyhound [in/mm]	Ref.	Ref.
3/8"	12"/29mm	0.050"/1.3 mm	Oregon 120DEA041	Oregon 91P045X
3/8"	10"/24mm	0.050"/1.3 mm	Oregon 100DEA041	Oregon 91P040X

## 6. PROBLEM SOLVING AND STORAGE

### 6.1. Troubleshooting

PROBLEM	CAUSE	SOLUTION
1) Starting failure  <i>(Make sure the freeze prevention system is not operating.)</i>	-Check that the fuel does not contain water or other defective mixture.  -Check for engine flooding.  -Check the spark plug.	-Replace with appropriate fuel.  -Remove and dry the spark plug.  -Then pull the starter again without the air control.  -Replace with a new spark plug.
2) Lack of power/ poor acceleration/ rough idling	-Check that the fuel does not contain water or other defective mixture.  -Check the air and fuel filters for possible blockages  -Check the carburetor for improper adjustments.	-Replace with appropriate fuel.  - Clean  - Readjust the needle speed
3) The oil doesn't come out	-Check for inferior quality oil  -Check the oil flow for any obstructions	-Replace  -Clean

*Note: If the unit requires additional servicing, please consult an authorized Anova service center in your area.*

### 6.2. Storage

- Empty the fuel tank and run the engine without fuel.
- Empty the oil tank.
- Clean the entire unit.
- Store the unit in a dry place, out of the reach of children.

## 7. WARRANTY

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If your product suffers any manufacturing defect during the established warranty period, please contact or go directly to your point of sale with the necessary documentation.

Your purchase receipt should be kept as proof of the purchase date. Your tool must be returned to your distributor in acceptable and clean condition, in its original molded case, if applicable, along with your corresponding proof of purchase.

### 7.1. Warranty period

The legal warranty period for the product begins on the original date of purchase by the first initial buyer and its duration will be that established by the Royal Decree-Law on the protection of consumers and users against situations of social and economic vulnerability of the year corresponding to the time of acquisition of the product.

Some countries do not have limitations on how long an implied warranty lasts or do not allow the exclusion or limitation of consequential or incidental damages, in which case the above limitation and exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state or country to country.

### 7.2. Exclusions

This warranty does not cover product damage or performance problems caused by:

- Natural wear and tear from use.
- Misuse, negligence, careless operation, or lack of maintenance.
- Defects caused by improper use, damage caused by handling by personnel not authorized by Anova or use of non-original spare parts.
- Defects in normal wear parts, such as bearings, brushes, cables, plugs or accessories such as drills, drill bits, saw blades, etc.
- Damage or defects resulting from abuse, accidents, or alterations.
- Incorrect use and storage (explicit reference to the fact that the rules described in the operating instructions have not been followed).
- Wear and tear caused by the customer (e.g., broken saw blades, consumed carbon brushes, etc.).
- Wear and secondary damage due to lack of maintenance, repair, lubricants (e.g., overheating damage due to blocked cooling slots, bearing damage as a result of dirt, frost damage, etc.)
- Damage as an obvious result of overuse/overload.
- Damage caused by inappropriate supplies (e.g., incorrect fuel)
- Load-induced breakage of housing components or accessories due to abnormal stress
- Load-induced deformation of the housing components or accessories due to abnormal stress.
- Damage resulting from the operation of supplies that are overfilled or leak due to improper storage, improper cleaning agents, or other damaging chemical components.
- Damage due to improper exposure to extreme temperatures (e.g., frost cracking, thermal deformation of components, etc.)
- Damage from permanent exposure to ultraviolet radiation.
- Damage caused by inadequate maintenance.
- Any damage caused by failure to follow the instructions in the instruction manual

- Any product that has been repaired by an unqualified professional.
- Any product connected to an unsuitable power source (amps, voltage, frequency).
- Any damage caused by external influences (water, chemicals, physical, impacts) or foreign substances.
- Use of unsuitable accessories or parts.
- It does not cover defects in normal wear and tear parts, nor does it cover damage or defects resulting from abuse, accidents or alterations, nor transportation costs.

Furthermore, the warranty is voided if the product has been altered or modified, or if the trademark/serial number of the machine has been defaced or removed.

Routine maintenance, tuning, adjustments, or normal wear and tear are not covered under this warranty.

This manual does not cover all possible situations regarding warranty exclusions; for more information, please contact your nearest Anova distributor.

### **7.3. In case of incident**

The warranty must be correctly completed with all the requested information, and accompanied by the purchase invoice.

Anova reserves the right to refuse any claim where the purchase cannot be verified or where it is clear that the product was not properly maintained (maintenance, clean ventilation slots, lubrication, regularly maintained carbon brushes, cleaning, storage, etc.).

Private use is defined as personal domestic use by an end consumer. Commercial use, on the other hand, means all other uses, including uses for business purposes, income generation, or rental. Once the product has been used for commercial purposes, it will be considered a commercial product thereafter for the purposes of this warranty.

These are our standard warranty terms, but occasionally there may be additional warranty coverage not specified at the time of publication. For more information, please contact your nearest authorized Anova dealer or visit [www.millasur.com](http://www.millasur.com).

Warranty service is only available through authorized Anova distributors. You can find your nearest distributor on our distributor map at [www.anova.es](http://www.anova.es).

## 8. ENVIRONMENT

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It is essential to ensure that products and their components are disposed of responsibly to protect the environment. Below, you will find general guidelines for the proper disposal of various materials used in your machine.

Dispose of your machine in an environmentally friendly way. We shouldn't throw machines away with the regular household waste. Their plastic and metal components can be sorted according to their type and recycled.

When disposing of machinery or metal products, it's important to remember that their metal components, such as iron, steel, or aluminum, must be properly recycled at metal recycling facilities. This will contribute to their potential reuse in the manufacture of new products.

### Oils and Fuels

Used oils and fuels, among other things, must be recycled properly. Do not pour these liquids down drains, into soil, rivers, lakes, or seas, as they can cause serious environmental damage. Take them to a recycling center or specialized collection point. This process helps prevent water and soil contamination and allows for the safe reuse of oils, if possible.

### Plastics

Plastics should be separated and taken to designated recycling points. Do not throw them away with regular household waste. Plastics can be recycled, helping to reduce waste.

### Cardboard

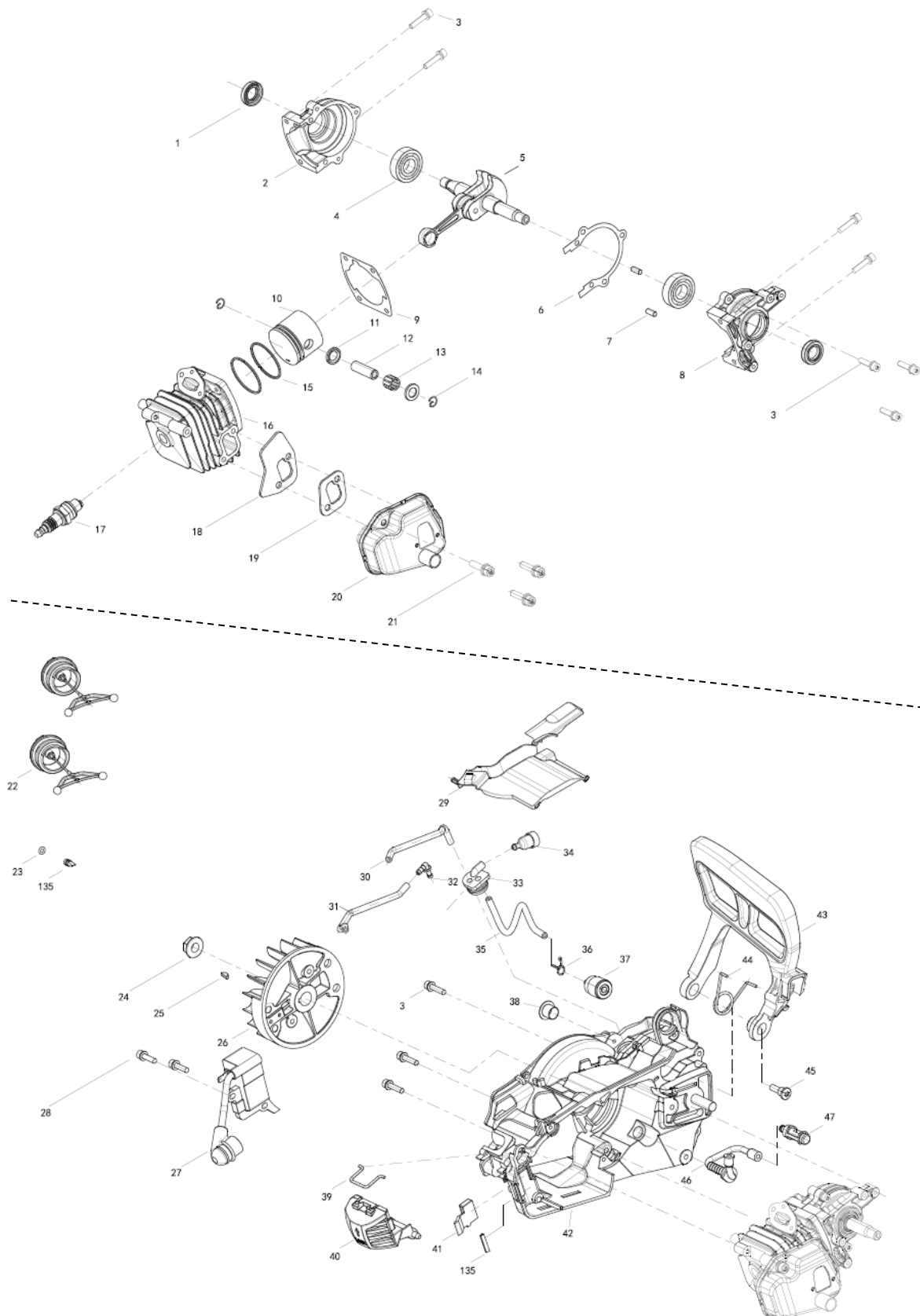
Packaging materials, such as cardboard, are recyclable. Be sure to separate clean, dry cardboard and place it in designated recycling containers or at an official waste collection point. Do not dispose of it with household waste.

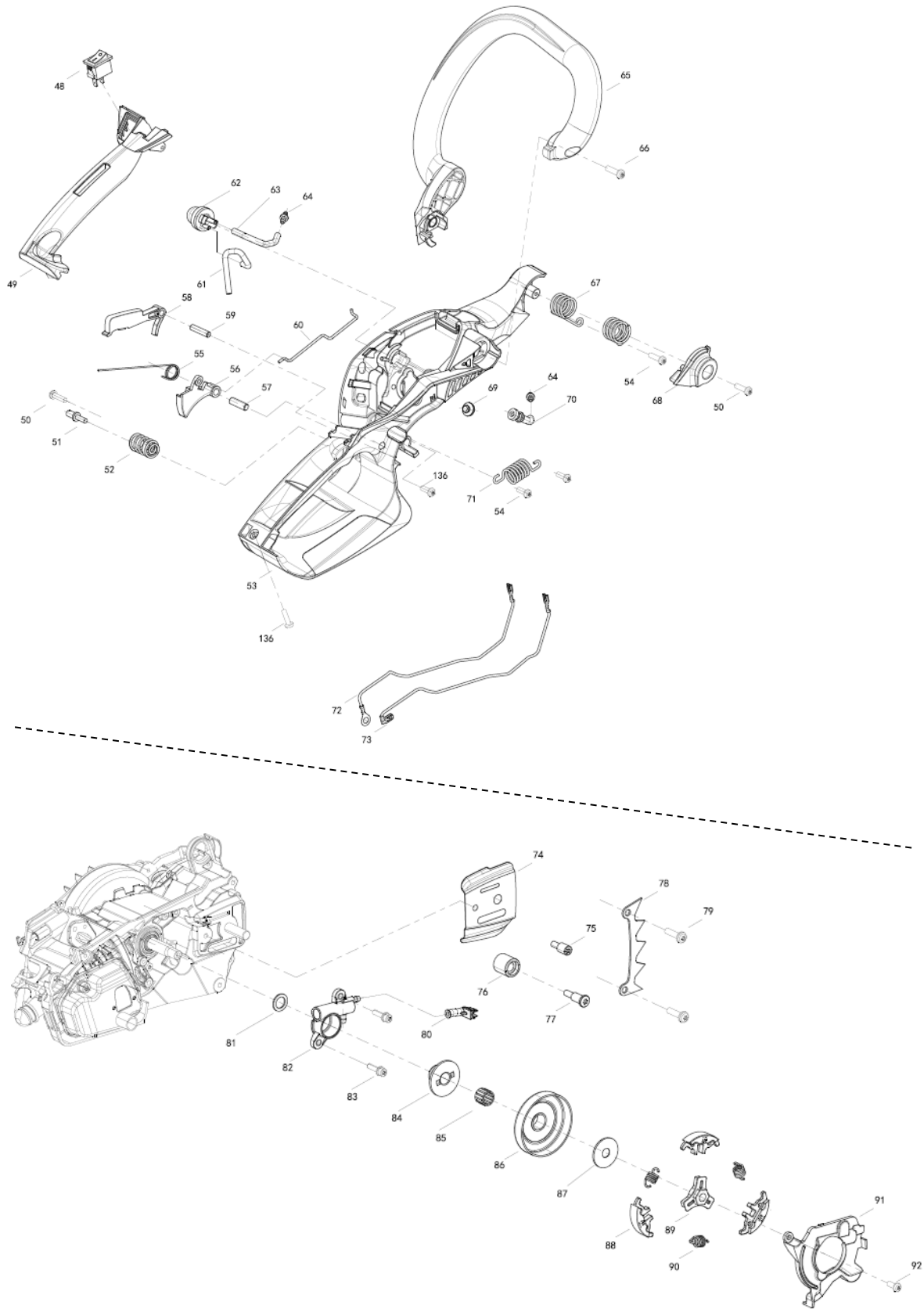
### Batteries

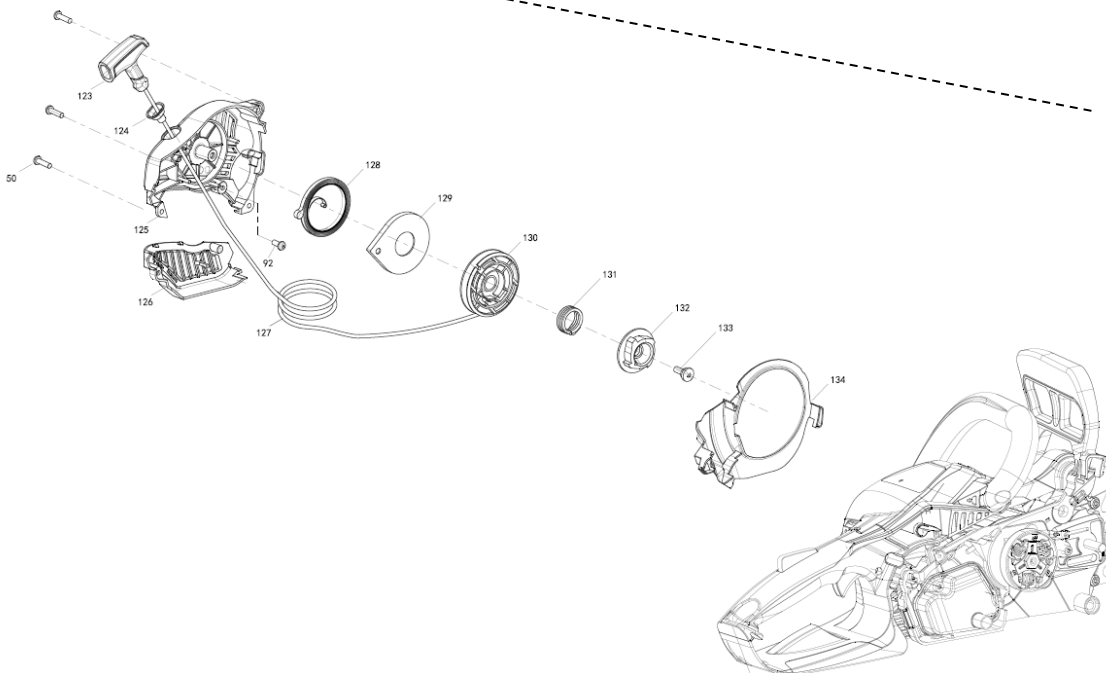
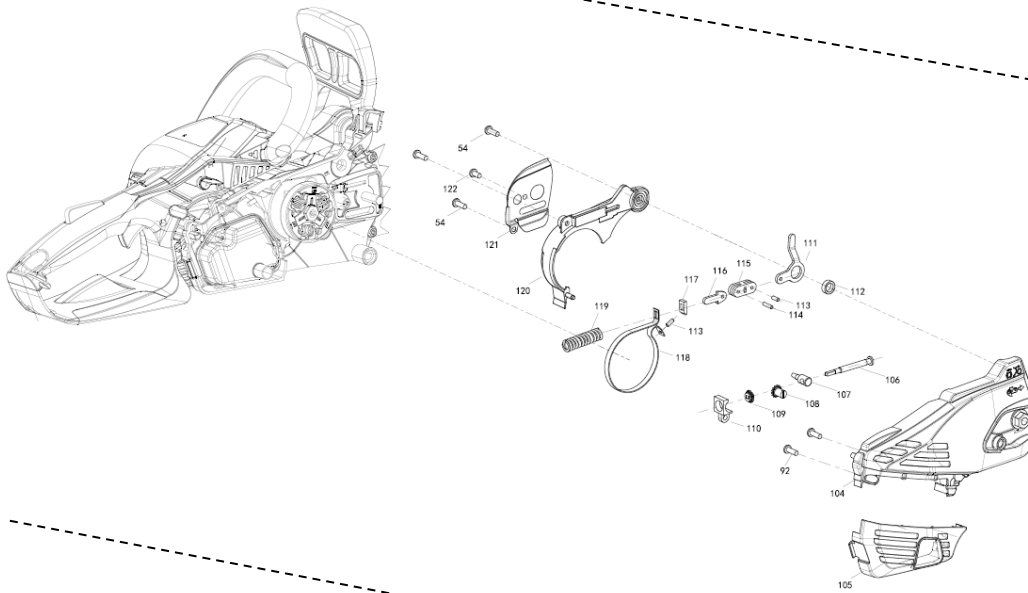
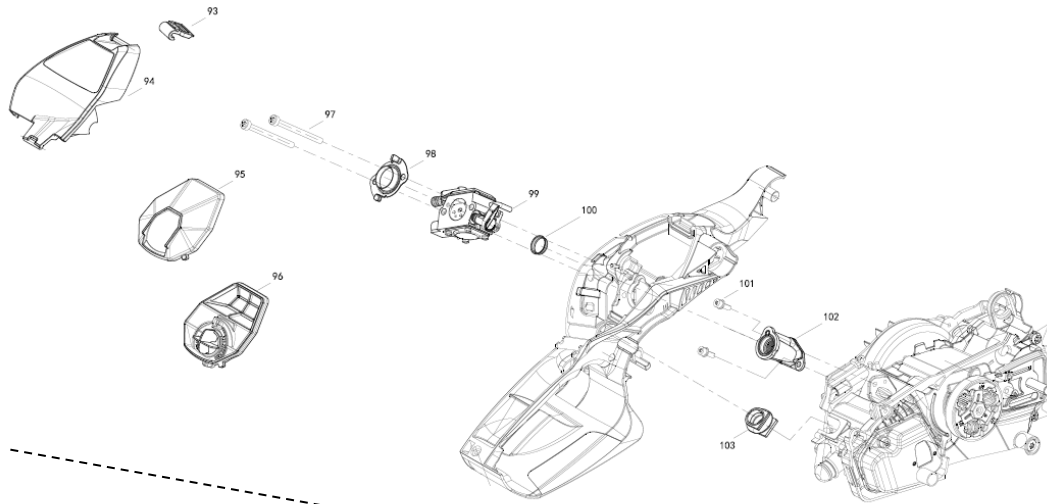
Batteries and other electronic components from machines must be disposed of at designated collection points to prevent the release of toxic substances into the environment. Do not throw them away with regular trash. Take them to appropriate recycling centers for safe and responsible handling.

By following these guidelines, you contribute to environmental protection and resource conservation. For more information on material disposal and recycling, please contact your local authorities and consult the necessary information.

## 9. EXPLODED VIEW







## 10. CE CERTIFICATE

### DISTRIBUTION COMPANY

MILLASUR, SL

RUA EDUARDO PONDAL, Nº 23 PISIGÜEIRO

15688 OROSO - A CORUÑA

SPAIN



## CE DECLARATION OF CONFORMITY

In compliance with the various EC directives, this document confirms that, due to its design and construction, and as indicated by the CE marking affixed by the manufacturer, the machine identified herein meets the relevant and fundamental health and safety requirements of the aforementioned EC directives. This declaration authorizes the product to display the CE marking.

In the event that the machine is modified and this modification is not approved by the manufacturer and communicated to the distributor, this declaration will lose its value and validity.

Machine name: CHAINSAW

Model: **MG2502**  
[TCS125]

Recognized and approved standard to which it conforms:

**Directive 2006/42/EC**  
**2014/30/EU**

Tested according to regulations:

**EN ISO 11681-1:2022**  
**EN ISO 14982:2009**

Company seal

**MILLASUR, S.L.U.**  
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15688-Oroso-A Coruña  
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e-mail: millasur@millasur.com  
CIF: B-15 749 922

02/02/2026