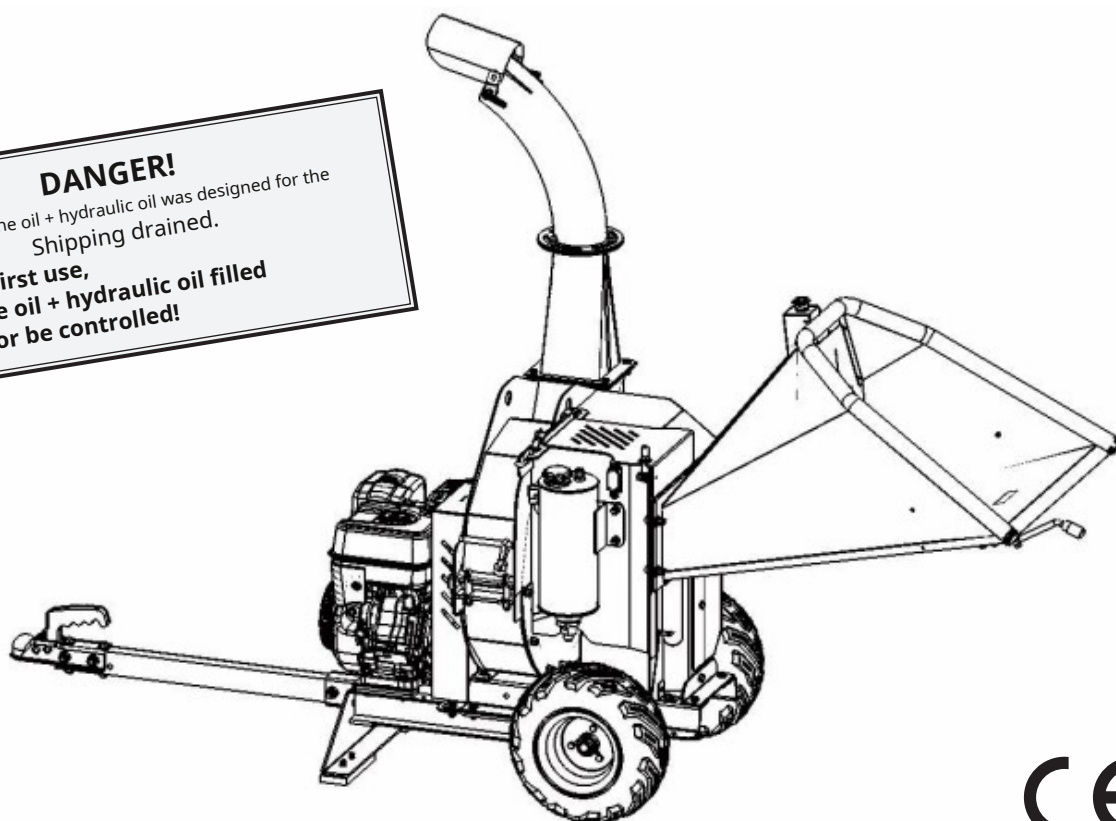




RAMBO-HC15H



Art. No.: RAMBOHC15H
www.lumag-maschinen.de

D

original operating instructions
gasoline disc shredder RAMBO-HC15H

Model: _____

Serial number: _____

Both the model number and the serial number can be found on the rating plate on the machine. You should keep both numbers in a safe place for future reference. This manual explains the basic functions and uses of the machine.

DANGER! The machine is delivered without engine oil, hydraulic oil and fuel.

CONTENT / GENERAL

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1st GENERAL



DANGER!

Read all safety instructions and instructions.

Use this manual to familiarize yourself with the machine, its correct use and the safety instructions. Keep this manual in a safe place so that you can refer to this information at any time.

If you hand the device over to other people, please also hand over the complete manual.

limitation of liability

We have endeavoured to provide as comprehensive information as possible on accident prevention during operation, but cannot be held responsible for any lack of completeness of the danger points listed and - sources should be held accountable.

The manufacturer assumes no liability for damages resulting from:

- Failure to follow the operating instructions
- Improper use of the machine
- Improper assembly, commissioning, operation and maintenance of the machine
- Operating the machine with defective safety devices or not properly attached or non-functional safety protection devices and
- Failure to observe the instructions in the operating manual regarding transport, storage, function, operation, maintenance and care of the machine
- Unauthorized structural changes to the machine
- Unauthorized modification of the machine
- Inadequate monitoring of machine parts subject to wear
- Improperly performed repairs
- Disasters caused by foreign bodies and force majeure
-

INFORMATION ON THE OPERATING INSTRUCTIONS / INTENDED USE

name machine

The term "machine" is the commercial name of the item to which this operating manual - see cover page - refers.

copyright protection

All documents are protected by copyright. Distribution and reproduction of documents, including extracts, as well as communication of the content are not permitted unless expressly agreed.

reservations

Information on technical data, dimensions and illustrations of the device as well as changes to safety standards are subject to further development and are therefore not binding for delivery in every case.

Printing and typesetting errors reserved.



DANGER!

The machine is delivered without engine oil & hydraulic oil.

Before first use, MOTOR OIL & HYRAULIC OIL filled become!

2nd INFORMATION ABOUT OPERATING INSTRUCTIONS

This manual describes the functions, operation, maintenance and care of your new shredder. Please read it carefully and follow the instructions exactly to ensure your shredder has a long service life and safe operation for you. Observe the safety instructions and instructions provided as well as the local accident prevention regulations and general safety regulations applicable to the area of use.



Before starting any work on or with the machine, read the operating instructions, especially the Safety chapter and the relevant safety instructions. You must fully understand and follow what you have read. These are basic instructions and suggestions for accident prevention. Errors during operation, inspection and maintenance can result in injury or death.

3. INTENDED USE USE

The shredder is intended exclusively for shredding bushes, shrubs, bark and branches up to a branch thickness of 12 cm.

The machine is not suitable for preparing garden soil.

Roots with soil, stones, glass, metal, textiles, kitchen waste, cardboard or plastic must under no circumstances be shredded with the machine.



Cuttings from conifers or similarly dense cuttings can lead to blockages!

One other or about it beyond Use is not considered as intended. The manufacturer is not liable for any resulting damage. The user bears the sole risk.

Observing the operating and maintenance instructions and carrying out maintenance work as well as adhering to the maintenance intervals are part of the intended use.

DANGER!

Persons who are not familiar with the operating instructions, children, young people and persons under the influence of alcohol, drugs or medication are not permitted to operate the machine.

SCOPE OF DELIVERY / TECHNICAL DESCRIPTION

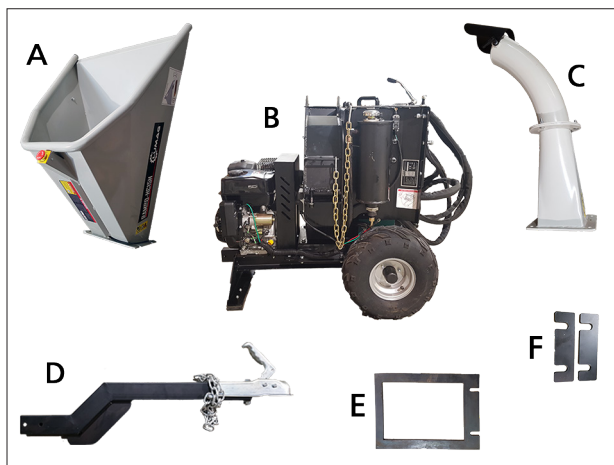
4th SCOPE OF DELIVERY

After unpacking, check the contents of the box/ transport box for

- Completeness
- possible transport damage

Report any complaints to the dealer or manufacturer immediately. Complaints made later will not be accepted.

- A funnel
- B Engine, chassis & chopping unit
- C Rotatable discharge chute
- D Drawbar with trailer coupling
- E Sealing funnel
- F V-belt tensioning plates



5th TECHNICAL DESCRIPTION

The disc wheel shredder is used to shred woody material, preferably in the garden area.

The machine is powered by a powerful 4-stroke OHV petrol engine.

The disc wheel shredder - with two blades and a counter blade - is driven by two V-belts. 10 movable blades on the disc wheel shred the already shredded material again to obtain an even finer discharge. The shredded material is ejected through the discharge chute using the 4 attached wings.

The material is fed in using a feed roller. This can rotate both forwards and backwards and the speed can be individually adjusted using a lever.

The high discharge chute with adjustable discharge flap enables a targeted flow of chopped material for loading wheelbarrows and organic waste bins.

A wide chassis and wheels with pneumatic tires enable comfortable transport. A support leg ensures secure standing.

SPECIFICATIONS / OPERATING TIME LIMITATIONS

ENVIRONMENT / SYMBOLS

6th SPECIFICATIONS

Model	RAMBO-HC15H
drive	4-stroke OHV gasoline engine
displacement	420 cm ³
Engine power, max.	9.0 kW*
Engine speed, max.	3,600 rpm
speed of the blades	2,000 rpm
fuel	Unleaded regular gasoline
fuel content	6.5 liters
engine oil	SAE 10W-30 or 10W-40 ~
engine oil content	1.1 liters
spark plug	Type F7RTC or equivalent spark plug
feed hopper	branches up to Ø 120 mm
Guaranteed sound	
power level LwA	114 dB(A)
weight (net/gross)	289/330 kg

° Max. branch diameter to be processed, depending on wood type and freshness.

* Actual performance during continuous operation is likely to be lower due to operating limitations and environmental influences.

The technical data was valid at the time of printing and is subject to change without prior notice.

7th OPERATING TIME LIMITATION

In residential and small settlement areas or on the grounds of hospitals and care facilities, shredders may not be operated all day on Sundays and public holidays, or on weekdays from 8 p.m. to 7 a.m. Please also observe the regional regulations on noise protection.

8th ENVIRONMENT

Please recycle waste and do not dispose of it as garbage. All tools, hoses and packaging must be sorted, taken to the local recycling center and disposed of in an environmentally friendly manner.

Please contact your local waste disposal authority to find out about options for environmentally friendly and proper disposal.

9th SYMBOLS

Symbols are attached to the machine. These represent important information about the product or instructions for use.



DANGER!

This is about your safety. This symbol indicates a danger, warning or caution.



Before commissioning, read and observe the operating instructions and safety information carefully.



Before cleaning, maintenance and Repair work: Switch off the engine and disconnect the spark plug connector.

! DANGER

Health and explosion hazards from combustion engines



The engine's exhaust contains poisonous carbon monoxide. Staying in an environment containing carbon monoxide can lead to unconsciousness and death.



Do not run the engine in an enclosed space.



Keep the engine away from heat, sparks and flames. Do not smoke near the shredder!



Petrol is extremely flammable and explosive. Before refueling, turn off the engine and let it cool down.



Use unleaded fuel RON95 or higher



MANDATORY SIGNS

Read this instructions completely before using the machine. Failure to do so increases the risk of injury to the operator and other persons.

SYMBOLS



Always wear eye protection when operating the machine.



Always wear hearing protection when operating the machine.



Wear protective gloves.



Wear safety shoes with steel toes.



Check engine oil!

Check the oil level before each use and after at least 8 operating hours (BTS).



Protection and safety devices must not be removed or modified.



Warning of hot surfaces. Danger of burns!

Do not touch hot engine parts. These remain hot for a short time even after the machine has been switched off.



Getting caught in the rotating belt will cause hand injury. Always wear a belt guard.



WARNING! Keep hands and feet away from rotating blades.

Do not touch any openings, the feed in hopper or the discharge chute when the engine is running.



WARNING! Keep hands away from rotating parts.

Only touch machine parts when they have come to a complete standstill. Never open or remove protective devices when the engine is running.



WARNING! Danger of objects being thrown when the engine is running.

There is a risk that branches, garden waste or other materials will suddenly be ejected.

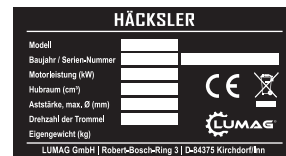


For this reason, bystanders, pets and livestock must never stand in front of or next to the shredder. When the engine is running, keep a sufficient safety distance of at least 12 meters.



chopping of branches of all kinds

up to max. 120 mm diameter, depending on the type and freshness of the wood.



nameplate

Equipped with model name, year of manufacture and serial number. Please always state this information when ordering spare parts or for service information.



old electrical/ motorized equipment are
They are recyclable materials and therefore do not belong in household waste! Please dispose of the components in an environmentally friendly manner.

HINWEIS für Häcksler:

Bei Verstopfung die Maschine sofort ausschalten und den Stillstand der Schneidwerkzeuge abwarten!

Aufgrund des Überhitzens der Fliehkraftkupplung besteht Gefahr, dass Keilriemen und Kupplung Schaden nehmen.

NOTE for Wood Chipper:

In case of blockage, switch off the machine immediately and wait for the spinning blades to stop!

Due to the overheating of the centrifugal coupling, Risk of damage to belt and clutch.

SAFETY INSTRUCTIONS

10. SAFETY INSTRUCTIONS

GENERAL SAFETY REGULATIONS

⚠ WARNING

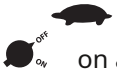
Instructions on hazards, warnings and precautions must be strictly observed to minimize the risk of personal injury, property damage and improper servicing.

The relevant accident prevention regulations as well as other generally accepted safety and occupational health rules must be observed.

The machine must be checked for operational safety before each use.

Be careful with rotating tools. Maintain a safe distance!

Caution at trailing tools.
The chopping blades may continue to run due to the flywheel. During this time, do not reach into the opening of the feed hopper and the discharge chute. Only when the cutting blades have come to a complete stop, set the throttle lever (8) to position

OFF  is on, the engine switch is on and the spark plug connector has been removed, work may be carried out on the machine.

Before moving to another location, switch off the engine, Z Disconnect the spark plug connector and fuel tap (5)

 close (push lever to the right).

Only transport the machine in an upright position.

Operating the machine at a speed higher than that recommended in the 'Specifications' may cause engine damage.

A high speed increases the risk of accidents!

Understand your shredder

Read and understand the operating instructions and the labels affixed to the machine. Familiarize yourself with the application and limitations as well as the specific potential hazards associated with it.

Also, familiarize yourself with the controls and how to use them properly. Learn how to stop the machine and turn it off quickly.

Make sure you read and understand all the instructions and safety warnings in the manual. Do not attempt to operate the machine until you are familiar with the machine and know how to operate and maintain it properly. Incorrect operation or operation by inexperienced persons can be dangerous.

Children and young people under the age of 16 and untrained persons are prohibited from operating the machine.

work and danger area

The user is responsible to third parties in the work area.

Other people, especially children, pets and livestock, are prohibited from staying in the danger zone (at least 12 m) of the machine. Always check the immediate area before starting.

Do not use the machine in potentially explosive atmospheres or expose it to rain.

Never start or run the engine in a closed or poorly ventilated area. The engine's exhaust fumes contain carbon monoxide. Being in an environment containing carbon monoxide can lead to unconsciousness and death. Only operate the machine outdoors.

Before starting work, carefully inspect the material to be chopped. Remove any foreign objects such as nails, wires, etc. During work, watch for other foreign objects and remove them in good time.

Keep the work area tidy! Clutter can lead to accidents.

Never operate the machine in poor visibility or insufficient lighting conditions.

SAFETY INSTRUCTIONS

Personal Safety

Do not operate the machine when you are tired or under the influence of drugs, alcohol or medication that may impair your ability to operate the machine properly.

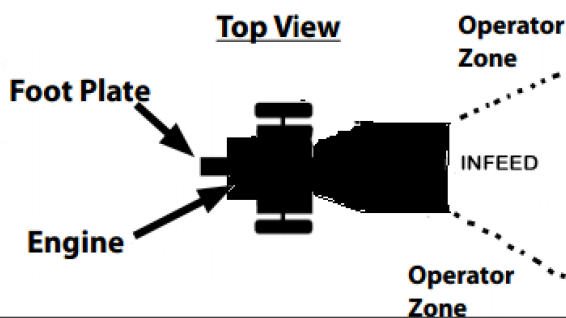
Dress properly. Wear long, strong pants, safety shoes and gloves. Do not wear loose clothing, shorts or jewelry of any kind. Secure long hair so that it stays above shoulder height. Keep your hair, clothing and gloves away from all moving parts. Loose clothing, jewelry or long hair can easily get caught in moving parts.

Always wear good eye and hearing protection when operating the machine.

Always ensure that the surface is stable and level and that you have a secure footing. When inserting the shredded material, stand at the same level as the machine.

Do not work on uneven terrain or slopes. **Caution: risk of tipping over!**

Assume a working position behind the machine, to the side of the feed hopper. Never stand in the area of the discharge shaft.



⚠ DANGER

Keep face and body away from the feed hopper.

Never reach into the feed or ejection chute.

Check the machine before the
Before starting up. Check that the guards and protective covers are properly fitted and in good working order. Make sure that all nuts, bolts, etc. are securely tightened, especially the nuts on the chopping blades.

Do not operate the machine if it is in poor mechanical condition and repair is necessary. Replace any damaged, missing or faulty parts before operating. Check the machine for any fuel leaks and worn blades. Keep the machine in good working order.

Do not operate a machine if the engine switch (ignition switch) does not turn on and off. Defective switches must be replaced by an authorized service center.

Make it a habit to check that all keys and adjustment tools have been removed before starting the machine. An open-end or Allen wrench left in a rotating part can cause injury.

Stay alert and aware of what you are doing. Use common sense when operating the machine.

Do not overdo it. Do not operate the machine barefoot, do not wear sandals or similar light shoes. Wear safety shoes that protect your feet and improve grip on slippery surfaces. Always maintain a firm footing and a safe balance. This will give you better control of the machine in unexpected situations.

Avoid accidental starting. Make sure the engine switch is in the "OFF" position before transporting, maintaining or servicing the machine. Transporting or servicing the machine with the engine switch on can be dangerous.

Safety when using combustion engines

Internal combustion engines pose a particular danger during operation and when refueling. Always read and follow the warnings and additional safety instructions later in this manual. Failure to do so could result in serious injury or even death.

Do not start or run the engine indoors, in garages or enclosed spaces

SAFETY INSTRUCTIONS

The engine exhaust fumes contain poisonous carbon monoxide. Being in an environment containing carbon monoxide can lead to unconsciousness and death.

Caution with be called engine parts! running engines generate Warmth. engine parts, in particular the muffler, become extremely hot. Hold She sufficient Keep away from hot surfaces and keep children away from the running engine.

When refilling or draining fuel, use a container approved for gasoline in a clean, well-ventilated area. Smoking, sparks, open flames, or other sources of ignition are not allowed near or when refilling fuel. Filling the fuel tank in an enclosed space is not permitted. Keep grounded, conductive objects such as tools away from bare, live wires and connectors to avoid sparks or arcing. These can ignite gas or vapors.

Before refilling the fuel, always switch off the engine and let it cool down. Never remove the tank cap and fill with fuel when the engine is running or is still hot. Do not operate the machine if there are leaks in the fuel lines.

Carefully loosen the tank cap so that the existing pressure in the tank can slowly be released.

Do not allow the fuel tank to overflow. Do not fill the tank more than 1 1/2 cm below the bottom edge of the filler neck to create enough room for expansion as the heat from the engine can cause the fuel to expand. Use suitable filling aids.

Screw the fuel cap onto the fuel tank. Wipe up any spilled fuel immediately. Never operate the machine without the fuel cap securely screwed on.

There should be no source of ignition near spilled fuel. If fuel is spilled, move the machine away from the area. Do not attempt to start the engine and avoid any source of ignition until the fuel vapors have dissipated.

Store fuel only in containers that

specifically approved for this purpose. Store fuel in a cool, well-ventilated area, away from sparks, open flames or other sources of ignition.

Never store fuel or a machine filled with fuel in an enclosed space where fuel vapors can come into contact with sparks, open flames or other sources of ignition (such as kettles, ovens, clothes dryers, etc.). Allow the engine to cool before storing the machine in an enclosed space.

Safety when using and maintaining the machine

Do not lift or transport the machine while the engine is running.

Do not overload your machine. Work within the specified power range.

Do not change the main engine settings and do not over-rev the engine. When you are not chopping, the engine should not be running.

Never operate the machine without protective and safety devices. Inappropriate protective devices are a source of danger and can cause serious injuries.

Do not use the machine without the feed hopper and discharge chute.

Keep hands and feet away from rotating parts.

Avoid contact with hot fuel, oil, exhaust fumes and hot surfaces. Never touch the engine or exhaust while the engine is running or after it has been turned off. These areas become very hot and can cause burns. Allow time for the engine to cool down before performing any maintenance or adjustment.

If the machine starts to make unusual noise or rotate, turn the engine off immediately. Disconnect the spark plug and try to find the cause of the problem. Unusual noises or rotations are usually a warning of problems.

If there are blockages in the inlet and outlet of the machine,

SAFETY INSTRUCTIONS

Switch off the engine immediately. Disconnect the spark plug connector and wait for the tools to stop. Eliminate the fault immediately.

Always use original accessories. The use of other tools and accessories can lead to unforeseeable damage to the machine or pose a risk of injury to the user.

Check the machine for misalignment or seizure, breakage of parts, etc. to ensure the functionality and operational safety of the machine. Regular maintenance of the machine is an essential requirement for maintaining the safety and performance of the machine.

To reduce the risk of fire, keep the engine and exhaust free of grass, leaves, excessive grease or exhaust buildup.

Use She no petrol or other flammable solvents for cleaning machine parts. Vapors from fuels and solvents can explode.

Never pour water or any other liquid onto the machine. Keep the handles dry, clean and free of foreign objects. Clean after each use.

To protect the environment, observe the disposal laws and regulations for operating materials and operating materials with contaminated parts. Dispose of the operating materials as hazardous waste, even if only small quantities are involved.

Never leave the machine unattended while the engine is running.

Leave the machine, then switch off the engine and secure the machine against unauthorized use. If the machine has an ignition key, remove it; otherwise, remove the spark plug connector.

Keep the machine out of the reach of children.

service security

Do not carry out any maintenance or cleaning work while the engine is running. Moving parts can cause serious injury.

Always remove the spark plug before carrying out maintenance or repair work. Make sure the engine switch is in the "OFF" position. This will prevent accidental starting.

Always ensure that the machine is in a safe operating condition; in particular, check the fuel system for leaks.

If protective devices and work tools are subject to wear, they must be checked regularly and replaced if necessary.

damaged cutting tools (jumped, worn out or otherwise damaged) must be replaced immediately. When replacing the chopping blades, use suitable tools and wear protective gloves.

Check nuts and bolts regularly to ensure they are tight and tighten if necessary.

Make sure all mudguards, straps and handles are correctly and securely attached.

After maintenance and repair work, always install the protective and safety devices on the machine and put them in the protective position.

Only use approved parts. This machine complies with the relevant safety regulations. Repairs may only be carried out by an approved service center or our service team. Always replace damaged or worn machine parts with original spare parts. This ensures that the machine remains safe.

electrical system

People wearing pacemakers must not touch the live parts of the ignition system when the engine is running.

SAFETY INSTRUCTIONS

SPECIFIC SAFETY REGULATIONS

Special safety for the shredder

Do not stand in the area of the ejection openings when starting the engine.

To avoid injury, keep fingers, hands and feet away from the feed hopper and discharge chute.

Always operate the machine from the side of the feed hopper. It is forbidden to stand in front of the discharge chute when the machine is in operation.

If handled improperly, the sharp edges of the blades can pose a significant risk of injury. Make sure that the two chopping blades and the counter blade are correctly installed and securely fastened. Otherwise, serious injuries may occur.

Never operate the machine without the protective device installed and intact.

Carrying persons on the machine is not permitted.

Never place tools or other objects under the machine.

If the machine comes into contact with a foreign object, stop the engine and remove the spark plug. Inspect the machine for any damage. Have the damage repaired before restarting the machine and continuing to work.

If the cutting unit and ejector are blocked, switch off the engine, remove the spark plug and clean the cutting unit using a suitable tool.

Do not start shredding until the petrol engine has reached its maximum speed.

Only operate the machine with sharp blades; this reduces the risk of kickback.

Always switch off the engine if chipping is delayed or when moving the machine from one location to another.

Always park the switched off machine on a firm, level surface.

residual risks and protective measures

Mechanical residual hazards

capture, winding

The machine can catch and pull in items of clothing, cords, wires and other foreign objects.

→ Check the shredded material for foreign objects.

Wear tight-fitting clothing.

pulling in, catching

Rotating parts such as the blade mechanism can pull in and catch loose clothing.

→ Always wear tight-fitting protective clothing. Do not wear scarves, shawls, etc.

Squeeze

Careless handling of the shredded material can lead to serious injuries.

→ Feed the material to be chopped slowly and carefully into the feed hopper. **ATTENTION,**

automatic feed! Never use your hands!

→ Always insert branches with the thick end first.

Never work with pressure.

Make sure you have a secure footing.

neglect of ergonomic principles

Negligent use of personal protective equipment (PPE)

negligent use or omission of personal protective equipment can lead to serious injuries.

→ Wear prescribed protective equipment.

Human behavior, misconduct

→ Always concentrate fully on all work. Residual risk - Can never be ruled out.

Electrical Residual Hazards

Electrical contact

Touching the spark plug connector while the engine is running may result in an electric shock.

→ Never touch the spark plug connector or spark plug while the engine is running.

SAFETY INSTRUCTIONS

Thermal residual hazards

burns, chilblains

Touching the exhaust/housing may cause burns.

→ Allow the motor device to cool down.

danger from noise

hearing loss

Prolonged, unprotected work with the machine can lead to hearing damage.

→ Always wear hearing protection.

Hazards from materials and other substances

contact, inhalation

The exhaust gases of the machine can cause damage to health.

→ Only use the power tool outdoors and take regular breaks.

fire, explosion

Fuel is flammable.

→ Smoking and open flames are prohibited while working and refueling.

Other hazards

Slipping, tripping or falling of persons On unstable surfaces, you may cause injury by tripping.

→ Be aware of obstacles in the work area. Always ensure you have a secure footing and wear safety shoes.

Behavior in an Emergency

If an accident occurs, initiate the necessary first aid measures and request qualified medical assistance as quickly as possible.

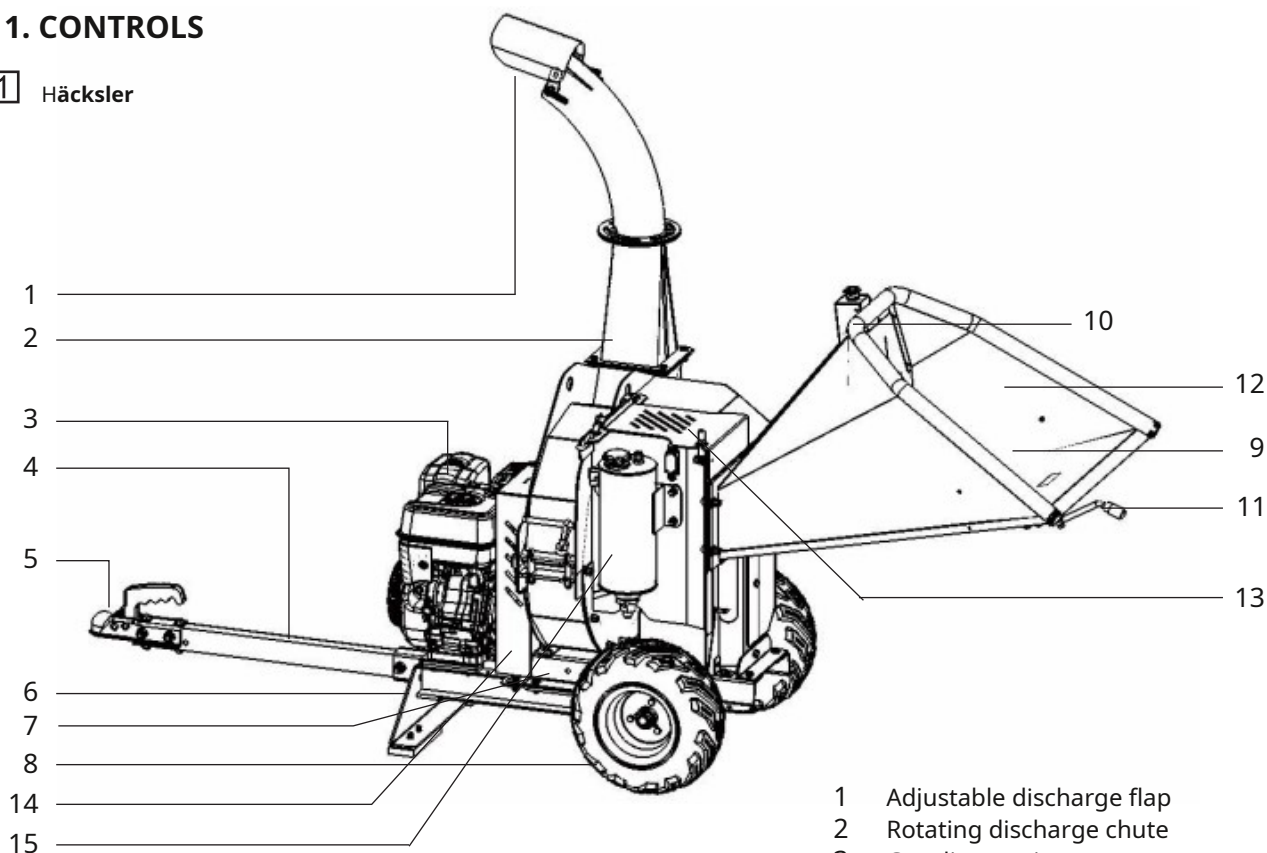
When requesting assistance, please provide the following information:

- *where it happened*
- *what happened*
- *how many injured*
- *what type of injury*
- *waiting for questions*

CONTROLS

11. CONTROLS

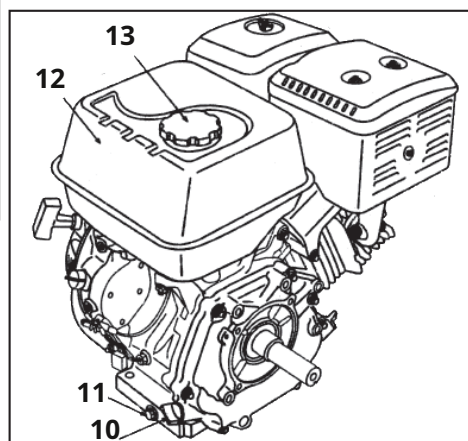
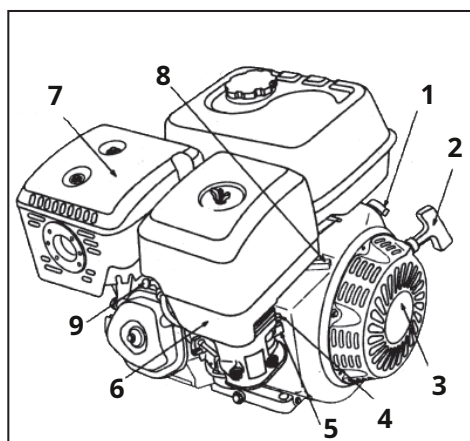
1 Häcksler



- 1 Adjustable discharge flap
- 2 Rotating discharge chute
- 3 Gasoline engine
- 4 drawbar
- 5 trailer hitch
- 6 stand
- 7 disc wheel housing
- 8 wheel
- 9 foldable feed hopper
- 10 EMERGENCY STOP button
- 11 Forward/reverse feed roller
- 12 speed feed roller maintenance
- 13 flap feed roller V-belt cover
- 14
- 15 hydraulic oil tank

2 gasoline engine

- 1 engine switch (ignition switch)
- 2 recoil starter
- 3 recoil starter
- 4 choke lever
- 5 fuel tap
- 6 air filter
- 7 muffler
- 8 throttle
- 9 spark plug, spark plug connector
- 10 Oil filler plug with dipstick
- 11 Oil drain plug
- 12 fuel tank
- 13 fuel caps



FUNCTIONS

12. FUNCTIONS

MOTOR

engine switch (ignition switch) (1)

In dangerous situations, a quick shutdown is required, then turn the ignition switch to OFF.  The engine is switched off (ignition short-circuited).

There is another switch with the same function.

■ EMERGENCY STOP button (10) on the feed hopper.

recoil starter, recoil starter (2+3)

The starter is designed as a magneto ignition with spring return. Incorrect handling of the recoil starter can damage the starter. Never wrap the recoil starter cable around your hand.

choke lever (4)

The choke lever opens and closes the carburetor choke valve. The choke lever is only used to start a cold engine.

fuel tap (5)

The fuel tap opens and closes the connection between the tank and the carburetor.

air filter (6)

The air filter consists of a foam pre-filter and a paper filter insert. It is located under the cover (6). A dirty air filter is noticeable by the engine running poorly and black smoke.

muffler (7)

The engine exhaust becomes warm when the engine is running. Avoid touching the muffler when it is hot. **Caution: risk of burns!**

throttle (8)

The throttle can be reduced using the lever on the engine so that the engine idles and the blade drum stops.

Spark plug, spark plug connector (9)

The engine's spark plug is located under the spark plug connector. When performing adjustments or maintenance, always remove the spark plug connector from the spark plug.

oil filler plug with dipstick (10)

The engine oil is filled into the dipstick holder. The dipstick must NOT be screwed down to check the oil level.

oil drain plug (11)

The oil drain plug is located on the rear of the engine.

fuel tank (12)

There is a fuel tap under the tank.

centrifugal clutch

The engine has a centrifugal clutch that is coupled to the crankshaft. When the engine speed increases, the drive of the cutting drum is automatically engaged.

FUNCTIONS

DEVICE UNIT

safety circuit

EMERGENCY STOP button (10) on the feed hopper

The motor can be stopped in dangerous situations by pressing the EMERGENCY STOP button (10).



DANGER!

The disc wheel continues to run for a short time due to the flywheel!

In case of unexpected circumstances, never hesitate to use the EMERGENCY STOP button.

There is another switch with the same function.

■ Engine switch (ignition switch) (1) on the engine.

Adjustable discharge flap (1)

The throwing distance and throwing direction of the shredded material can be changed by adjusting the flap on the discharge chute.

Foldable feed hopper (9)

The feed hopper can for the Clean the feed roller and to remove blockages.



DANGER!

Before the machine is put into operation, the feed hopper and the safety circuit must be reassembled.

pull rod (5)

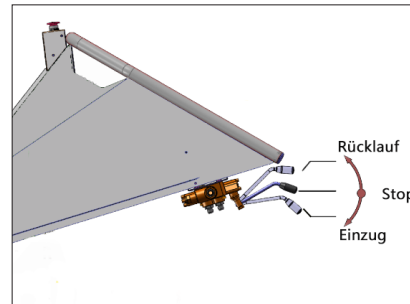
A pull rod is provided to better guide the machine.

A NOTICE

Remove the drawbar during loading!

forward and reverse feed roller (11)

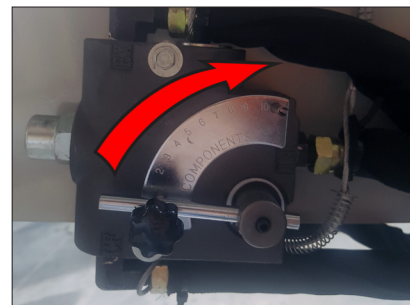
The feed roller has a forward and reverse motion. You can adjust this with the lever under the feed funnel. This can also be used to stop the feed roller (see photo).



speed of feed roller (12)

With the lever you can increase the speed of the feed roller by pushing the lever in the direction of the arrow (position 10) or reduce or switch it off by pushing the lever in

Pull to the starting position (position 0, see photo).



ASSEMBLY

13. ASSEMBLY

The machine consists of parts that weigh more than 20 kg. These parts must always be carried/pushed by at least two people.

- Engine, chassis & chopping unit
- feed hopper

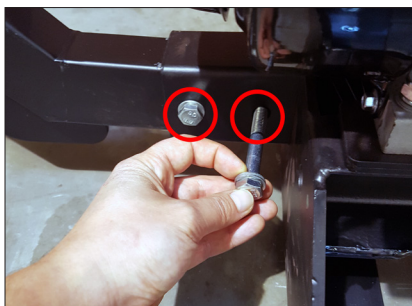
The machine is not fully assembled. Proceed as follows:

A NOTICE

At least two to three people are required for assembly. Install assembly parts while the engine is turned off.

Install the drawbar with trailer coupling (D/9)

Mount the drawbar to the chassis with 2 M16x70 screws, washers and nuts.



Install the rotating ejection chute (C/2)

Position the discharge chute so that the mounting holes on the disc wheel housing line up with the holes on the discharge chute. With the help of a second person, mount the discharge chute with 4 M16x30 screws, washers and nuts.

Then tighten all 4 screws again!



Connecting the battery

The battery is already mounted on the chassis.



DANGER!
Before the Connecting must the key on the electric starter must be turned to the "OFF" position and removed! (Image 1)

First connect the red cable to the red battery terminal. Then connect the green cable to the blue battery terminal. (Image 2)

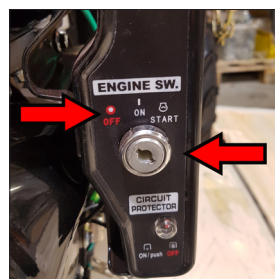


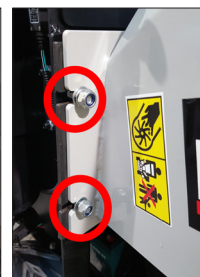
Figure 1



Image 2

Install the foldable feed hopper (A/9)

Position the feed hopper so that the fastening rails of the feed hopper match the mounts on the chassis. Then push it on. Insert the seal and then close the feed hopper and screw it onto the screws that have already been attached using 2 nuts. Finally, plug the emergency stop cable together.



Caution: risk of cuts!

Install the feed roller (12) speed

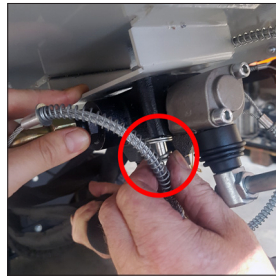
Mount the feed roller speed lever to the feed hopper using the screws and nuts already present in the hopper (see pictures).

ASSEMBLY / BEFORE FIRST USE



Mount the feed roller (11)

Using the screws and nuts already present in the hopper, mount the feed roller forward/reverse lever to the feed hopper (see pictures).



Screw the maintenance cover of the feed roller (13)

Finally, screw the maintenance flap with the existing screw so tightly that the safety switch is activated.

If the screw is not tightened enough so that the switch is not activated, the shredder's engine cannot be started! This also applies to the safety switch on the disc wheel housing (7).



hydraulic hoses from forward-reverse Secure the feed roller (11)

Secure the hydraulic hoses using the existing steel cable. To do this, pull the steel cable through the bracket for the forward and return feed roller on the feed hopper and hook the snap hook as shown in the picture.



DANGER!
All screw connections again
check and tighten if necessary!

14. BEFORE FIRST USE

A NOTICE

The machine is not supplied with petrol, engine oil or hydraulic oil. Fill the machine as described under "FUELLING".

Secure hydraulic hoses with brackets

Loosen one of the two screws already in the feed hopper and fold the retaining plate away to one side. Now insert 3 hydraulic hoses, fold the retaining plate back into its original position and screw it back onto the feed hopper.

FUEL

15. REFUELLING

DANGER!

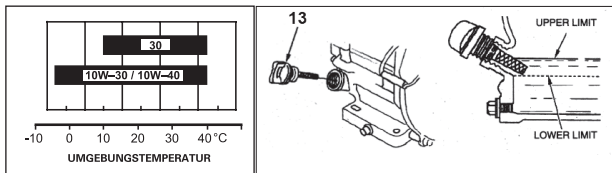
You may only carry out the work described in this chapter after you have **safety instructions** read and understood. It concerns your personal safety!

OIL

A NOTICE

Before first use, the engine and hydraulic oil must be filled! Incorrect oil filling can lead to irreparable damage to the engine. In this case, the seller and manufacturer distance themselves from any warranty.

1. Commercially available engine oil with the specification **10W-30** or **10W-40** use.
2. Unscrew the oil filler screw on the engine.
3. Fill engine oil up to the first thread of the filler opening.
4. Tighten the oil filler plug.
5. Wipe away any oil residue/dirt.



engine oil

oil filler plug

Engine oil capacity: 1.1 liters Do not overfill!

A NOTICE

Using SAE 30 oil below 10°C will result in harder starting and possible damage to the engine bore due to insufficient lubrication.

To check the oil level, the machine must be on a level surface and switched off.

1. Remove the oil filler plug.
2. Wipe oil off the dipstick.
3. Insert the filler plug back into the opening, but do not screw it tight.
4. Remove the filler screw again.
5. Check the oil level on the dipstick. The oil level must be between MIN and MAX (L and H).

6. If the oil level is too low (MIN or less), top up with equivalent engine oil.

HYDRAULIC OIL

1. Commercially available hydraulic oil with the specification **HLP46** use.
2. Unscrew the tank cap on the hydraulic oil tank (15).
3. Top up hydraulic oil.
4. Replace the tank cap and tighten it.
5. Wipe away any oil residue/dirt.



hydraulic oil tank (15)

Hydraulic oil capacity: 4.0 liters Do not overfill!

PETROL

! DANGER

Health and explosion hazards from combustion engines



In the exhaust the engine is poisonous carbon monoxide ent-
Staying in an atmosphere containing carbon monoxide can lead to unconsciousness and death. Do not run the engine in an enclosed area.



Keep the engine away from heat, sparks and flames. Do not smoke near the machine!



Petrol is extremely flammable and explosive. Before refueling, turn off the engine and let it cool down.

FUEL

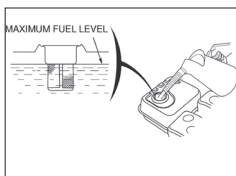
⚠ CAUTION

Engine damage! Risk of engine damage due to incorrect gasoline.



Only use petrol with an RON 95 or higher. Never fill the machine with 2-stroke mixture, diesel or non-approved fuels.

This engine requires only regular unleaded gasoline with a research octane rating of 95 or higher. Use only fresh, clean fuel. Water or impurities in the gasoline will damage the fuel system.



Tank volume: 6.5 liters

Refuel in a well-ventilated area with the engine stopped. If the engine has been running immediately before, allow it to cool down first. Never refuel the engine inside a building where gasoline vapors can reach flames or sparks.

⚠ WARNING

petrol is extremely flammable and explosive. You may suffer burns or other serious injuries when handling fuel.

When refilling fuel, please note:

- Turn off the engine and allow it to cool for at least 10 minutes before removing the fuel tank cap.
- Keep the engine away from heat, sparks and flames.
- Fill the fuel outdoors or in a well-ventilated area.
- To allow room for the petrol to expand, do not fill beyond the bottom edge of the fuel filler neck.
- Keep gasoline away from sparks, open flames, pilot lights, heat sources and other sources of ignition.
- If fuel is spilled, wait until the vapors have dissipated before starting the engine.

STORING GASOLINE

- Fuels can only be stored for a limited time; they age. Fuels or fuel mixtures that have been stored for too long can lead to starting problems. Only store as much fuel as you will use in a month.
- Only store fuel in containers that are specifically approved for this purpose. Store fuel containers in a dry and safe place.
- **Store fuel containers out of the reach of children.**

FUELING THE MACHINE

1. Clean the area around the fuel tank cap of dirt and foreign objects.
2. Carefully remove the tank cap to allow any excess pressure to be released.
3. Carefully fill with gasoline. To allow room for the gasoline to expand, do not fill beyond the bottom edge of the fuel filler neck.
4. Screw the tank cap tightly onto the tank neck.
5. Wipe up any spilled gasoline immediately.

COMMISSIONING

16. COMMISSIONING

PREPARATION FOR USE

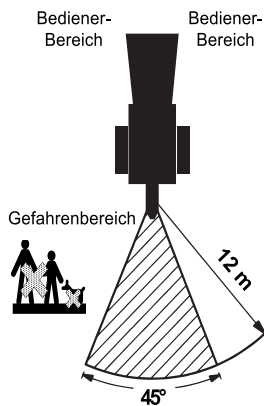
- Make sure that the machine is completely and correctly assembled.
- Only use the machine on a level and solid surface. **Attention, risk of tipping over!**
- Only set up the machine outdoors. Keep at least 3 meters away from house walls or other rigid objects.



DANGER!

It is forbidden to stay in the danger area of the shredder when starting and operating it.

- Mark out an area of at least 3 m wide and 12 m long on the side of the discharge chute. Check the immediate area before starting. Pay particular attention to children, other people and animals.



- When chopping, chopped material, stones, etc. can splash away. **No other persons or animals may be in the ejection area = danger zone.**
- Also pay attention to vehicles, windows and other objects so that they are not damaged.

⚠ WARNING

When shredding, care must be taken to ensure that no one can be injured by thrown-out shredded material.

- Check the tire pressure regularly (approx. 1.7 bar)
- Check that the blades are in good condition and properly attached. Blunt blades can be turned over.

A NOTICE

Severely damaged or bent blades must be replaced with new blades.

⚠ WARNING

Only operate the machine when all blades are correctly inserted and secured. Furthermore, make sure that all guards are in place and in protective position.

- Check the oil level and fuel, top up if necessary.
- Check the condition of the air filter, fuel and hydraulic lines and - connections for leaks and mechanical damage and the fuel tank for cracks and leaks.

⚠ DANGER

Do not start the engine in enclosed spaces. The exhaust fumes contain carbon monoxide, which is very toxic if inhaled!

⚠ WARNING

Warning of hot surfaces!

The exhaust and other engine parts become very hot during operation. Never touch the hot engine. Keep a safe distance from hot surfaces and keep children away from the running engine.

STARTING THE ENGINE WITHOUT ELECTRIC START (Fig. 1-6)

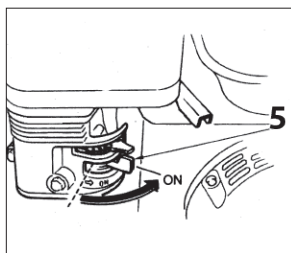
1. Fuel tap (5)  to open to the right push.
2. When cold, move the choke lever (4) to the left to "CLOSE". When warm, leave the choke lever (4) to the right to "OPEN". 
3. Move the throttle lever (8) from the idle position "SLOW /

COMMISSIONING

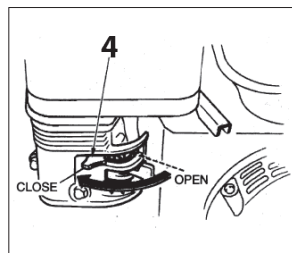
SLOW"  move slightly to the left,
Direction 

4. Engine switch (1)  set to "ON".
5. Pull the recoil starter (2) gently until you feel resistance. Then pull the rope out gently and quickly and let it run back slowly. Repeat until the engine starts.
6. When the choke lever (4) is set to "CLOSE" to start the engine,  now gradually return it to "OPEN" while the engine warms up.

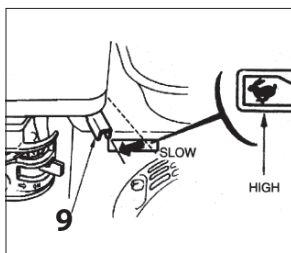
To operate, open the throttle lever (8) completely, slowly move towards  place.



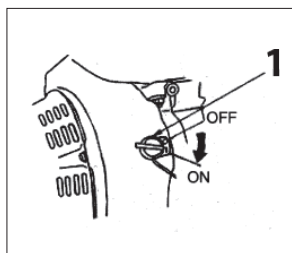
point 1



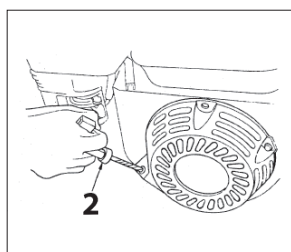
point 2



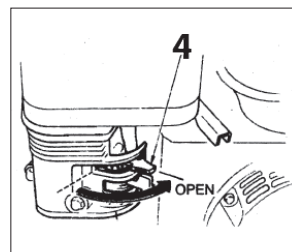
point 3



point 4



point 5

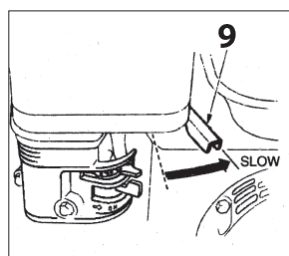


point 6

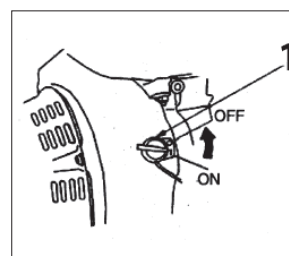
STOP THE ENGINE (Fig.1-3)

1. Set the throttle lever (8) to the idle position "SLOW"  slide to the right.
2. Set the engine switch (1) to "OFF" .
3. Then slide the fuel tap (5) to the left to "OFF" to close it. .

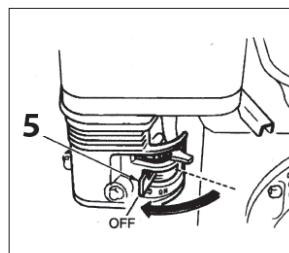
Remove spark plug connector (9) = protection against unauthorized use!



point 1



point 2



point 3

A NOTICE

Stopping the engine suddenly at full throttle can cause engine damage.

STOPPING THE ENGINE IN AN EMERGENCY

To stop the motor in an emergency, simply press the EMERGENCY STOP button (10) on the feed hopper.



DANGER!
The disc wheel continues to run for a short time due to the flywheel!

In unforeseen situations, never hesitate to press the EMERGENCY STOP button.

CHIPPING OPERATION

There is another switch with the same function.

- Engine switch (ignition switch) (1) on the engine to set to "OFF" .

IDLE SPEED

When not chopping, move the throttle lever (8) to the "SLOW" position to reduce the load on the engine. Lowering the engine speed at idle extends the life of the engine, saves fuel and reduces the noise level.

17. CHIPPING OPERATION

Before each use, check the machine for:

- loose screws and nuts
- damaged rubber flap in the feed hopper, replace if necessary
- Function of the safety circuit
- properly installed protective devices and their protective position
- Engine oil level / hydraulic oil level
- Cracks in the cladding panels and/or loose welds
- Damage or breakage to the disc wheel / feed roller



Wear tight-fitting clothing and personal protective equipment (PPE)

- Always work on a stable, level surface. Secure the machine against accidental rolling away (wheel chocks). Do not operate the machine when it is on a slope.
- Do not use the machines without the two wheels and the support leg mounted.
- The working position is to the side of the machine's feed hopper. Never stand in the area of the discharge chute.
- Never use a stepladder or other elevated position to fill the hopper with clippings.
- Never reach into the input or output openings.
- Keep your face and body away from the feed opening. **Keep sufficient distance!**
- Do not place hands, other body parts or clothing into the feed hopper or discharge chute or near other moving parts.
- **Danger!** When chopping, keep a safe distance and do not lean too far forward. Longer pieces of chopped material that protrude from the hopper can spring back when they are drawn in by the feed roller.
- Before starting the engine, check that there are no chopped residues in the hopper.
- Chopping may only take place once the maximum engine speed has been reached.
- Never tilt the machine while the engine is running.

CHIPPING OPERATION

- When loading, make sure that there are no foreign objects such as nails, wires, stones, etc. into the feed hopper.

For constipation:



Motor turn off and
out of security reasons
**Disconnect the spark plug
connector!**

- Only remove shredded material lying across the hopper when the engine is turned off and the disc wheel is not rotating. Only use another branch or piece of wood to remove it.
- If there are blockages in the machine's inlet and outlet, or if there are unusual noises or vibrations, switch the engine off immediately. Disconnect the spark plug connector and wait until the tools have come to a standstill. Any faults must be rectified immediately.
- Never leave the machine running.
- **When changing the blades, the motor and remove the spark plug connector. After one hour of use Check that all screws and nuts are tight.**
- Repairs may only be carried out by an approved service center or our service team.

WHAT CAN BE CHOPPED?

JA

Organic waste from the garden, such as hedge and tree cuttings, bushes, perennials and branches up to max. Ø 120 mm.

NEIN

Stones, roots with soil, glass, fabric scraps, plastic and metal parts, food waste.

CHOPPING

Regard She on as possible DRY
Shredded material! Shredded material that is too wet inevitably leads to blockages and time-consuming cleaning or maintenance work.



hands always before A- and
Keep away from ejection openings!

branches up to Ø 120 mm, branches, bushes or
Green waste can be chopped.



DANGER!

As soon as the engine starts, the blades start moving and everything that is fed into the hopper is inevitably chopped

Put the material to be chopped (branches, twigs, etc.) into the feed hopper. The feed roller forward/reverse lever (11) can be used to draw in or push back the material to be chopped. When the feed roller catches the branches, release the material to be chopped immediately. You can increase or decrease the speed of the feed roller using the feed roller speed lever (12). **Insert thick branches in small doses!** Make sure that the engine speed is maintained.

First saw off side branches longer than 3 cm and insert them separately.

Shredded material protruding from the machine can thrash around when it is drawn into the machine. Therefore, keep a sufficient safety distance from the machine.

A NOTICE

The hardness of the branches to be chopped depends on the type of wood, the time between cutting and chopping, and how dry the branches are. Optimum results are achieved when the branches are chopped shortly after cutting.

- Thin and long bushes or branches are drawn in very quickly. For this reason, you should release this shredded material very quickly.
- Process shredded material with a high water content alternately with woody material to avoid clogging the machine.
- **The feed roller draws in the chopped material automatically.**
- Observe the maximum branch diameter to be processed (see "SPECIFICATIONS"). Depending on the type and freshness, the maximum branch diameter may be reduced.
- If the cutting unit becomes blocked, switch off the engine immediately to avoid overloading the engine. Disconnect the spark plug connector and rectify the fault!

MAINTENANCE

In unforeseen situations, never hesitate to press the **EMERGENCY STOP** button (10) on the feed hopper.

The EMERGENCY STOP may only be activated in an emergency. To stop the machine normally, first let the engine run at idle and then switch it off.

To do this, set the engine switch (1) to "OFF".  (See section "Switching off the engine")

When you stop chopping, give the machine enough time to "spin cleanly". This will prevent starting difficulties the next time you chop.

18. MAINTENANCE

WARNING

Improper maintenance or failure to take care of or correct a problem can create a hazard during operation. Only operate machines that are regularly and properly maintained. Proper maintenance and lubrication will help keep the machine in perfect working order.

All persons carrying out maintenance work on the machine must be technically qualified and appropriately trained. They must be aware of all dangers and risks associated with the machine. Any further work not described in this manual may only be carried out by a qualified specialist workshop.

WARNING



Before all cleaning, maintenance and repair work Turn off the engine, standstill the chopping blade wait and spark plug connector deduct.



When working in the area of the blades, wear protective gloves!



Do not carry out maintenance work near open flames. Fire hazard!

MAINTENANCE

1. Turn off the engine and let it cool down.
2. The throttle is set to "SLOW" , in the idle position.
3. Always remove the spark plug connector. This will prevent accidental starting.
4. Inspect the general condition of the machine. The machine is exposed to vibrations during operation. Therefore, all screw connections must be checked for tightness after a few hours.
5. The feed hopper and knives must be carefully maintained to avoid damage and injury.
6. Ensure that the

MAINTENANCE

Check the machine, especially the fuel system and the tank cap, for leaks.

- 7. After each use, any dirt and debris that has accumulated on the machine must be removed. To prevent the engine from overheating, the cylinder cooling fins must be kept clean. Use commercially available multi-purpose oil to lightly oil all moving parts.
- 8. Use only genuine parts. Other parts may cause unforeseeable damage and injury.
- 9. After repair and maintenance work, properly refit and check the guards on the machine.

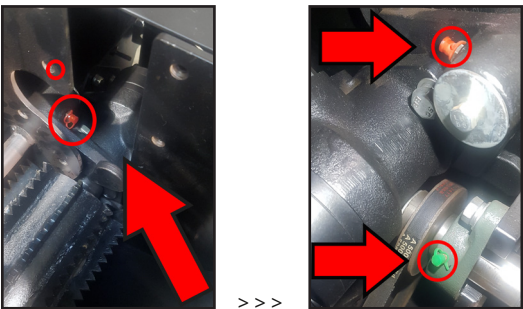
DANGER!
Never use a high-pressure cleaner to clean the machine. Water can penetrate into narrow slots and damage spindles, pulleys, bearings and the motor. Using a high-pressure cleaner will result in a shortened service life and operational capability.

LUBRICATION OF FEED ROLLER (1) AND DISC WHEEL (2)

Dispose of oily and greasy parts as well as used oil in accordance with legal regulations.

Grease the bearings of the feed roller and the disc wheel at the grease nipples after each **25 operating hours** and lubricate with a grease gun after each cleaning.

The two grease nipples are located diagonally to the left under the feed roller maintenance flap (13). Loosen the screw on the feed roller maintenance flap and fold it to the side to open the feed roller maintenance flap. The grease nipples are located behind the feed roller (see pictures)



- 1. Clean the grease nipples with a cloth.
- 2. Place the grease gun on each nipple one after the other and pump in grease.
- 3. Wipe away any excess grease.

After lubrication, the maintenance cover feed roller (13) must be closed properly again. Make sure that the safety switch is firmly in place and activated when closing the feed roller maintenance flap!

FASTENING SCREWS

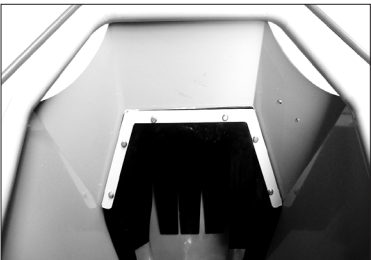
After respectively **1** **operating hour** all fastening screws on solid seat check, tighten if necessary, in particular the fastening screws of the feed hopper, discharge chute and the blades.

SAFETY CIRCUIT

The function of the safety circuit **before each commissioning** and check during every care and maintenance work.

RUBBER PROTECTIVE FLAP

The rubber protective flap before everyone **commissioning** and check for wear during each care and maintenance work and replace if necessary if there is significant wear.



MAINTENANCE

KNIFE



Motor turn off
Disconnect the spark plug connector!



Wear protective gloves!

Knives are blunt when

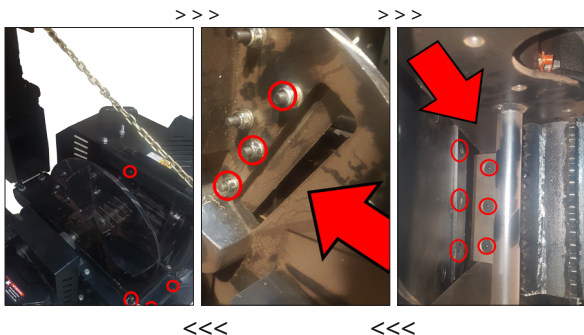
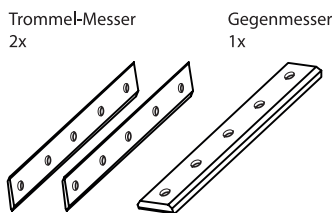
- the chopping noise sounds heavy.
- the chopping speed has decreased significantly.
- the drive belt slips despite tension.

After approx. **30-50 operating hours** the cutting edges of the knives are blunt. These are located in the disc wheel housing (7).

The two blades of the disc wheel each have one cutting edge and can therefore only be used on one side.

The counter knife can be used on one side.

The fastening screws of the blades must be tightened with 60Nm and medium screw locking compound if you change them.



Blunt knives cannot Damaged blades (cracked, knocked out, severely bent or otherwise damaged) must be replaced immediately.



The machine must not be operated if the blades are not fully inserted!

For all spare parts must the Original versions of the manufacturer are used.

V-BELT

The both V-belt before before everyone
commissioning check their condition.

When changing a V-belt, both V-belts must always be replaced.

1. Remove the V-belt cover (14).
2. If the V-belts show wear, they must be replaced.

The V-belts must be placed loosely. If they are forced onto the V-belt pulley, there is a risk that they will be damaged and break after a short time.

The V-belts must be pre-tensioned so that they can be pushed through in the middle by approx. 8-10 mm using thumb pressure.

V-belt type: **B940L** (2 pieces)

tensioning the V-belt

Check the tension of the V-belt regularly. A loose belt reduces the speed of the engine. The V-belt is correctly tensioned if it can be pushed through by approx. 8-10 mm.

1. Remove the V-belt cover (14).
2. Check the belt tension. Re-tighten the V-belt if the belt gives way more than 10-15 mm (thumb pressure).
3. To re-tighten, loosen the four screws on the motor.
4. Lower the engine by removing the existing V-belt tensioning plates (F) until you can push the V-belt through 8-10 mm.
5. Make sure that the drive and

MAINTENANCE

engine V-belt pulley aligned.

6. Retighten the screws on the motor.
7. Replace the belt cover.

changing the V-belt



Always replace belts that are too long, damaged or worn with new original V-belts.

1. Remove the V-belt cover (14).
2. Loosen the four screws on the motor.
4. Raise/lower the engine until the V-belt can be easily removed.
5. Install new V-belt.
6. Tension the V-belt, insert the engine and raise the additional V-belt tensioning plates (F) until you can push the V-belt through 8-10 mm.
7. Make sure that the drive and engine V-belt pulleys are aligned.
8. Retighten the screws on the motor.
9. Replace the belt cover.

A NOTICE

The tensioning screw can also be used for fine adjustment and re-tensioning of the V-belt if installed on the machine.



The machine only in Operation take if all protective and safety devices in protective position are functional. and

CLEANING / CHANGING THE AIR FILTER

Frequent cleaning of the air filter (6) prevents carburetor malfunctions. If the engine starts to smoke and the engine performance decreases at the same time, this is a sign that the filter is clogged. Clean the air filter and tap it gently so that dust falls out of the paper element.

⚠ WARNING

NEVER use gasoline or low flash point cleaning solvents to clean the air cleaner element. A fire or explosion could result.

Clean air filter, change filter elements

1. Loosen the fastening element and remove the cover.
2. Wipe dirt from the inside of the filter housing with a clean, damp cloth.
3. Carefully remove the foam filter insert from the paper filter insert. Check both parts for damage. Replace damaged inserts.
4. Clean the foam filter insert in warm water and a mild soap solution. Rinse thoroughly with clean water and allow to dry well.
5. Tap the paper filter element on a hard surface to remove dirt. Never brush off dirt as this will force it into the fibers.
6. Place the foam insert on the paper filter insert.
7. Reinstall the filter element.
8. Close the cover and secure it with the fastener.

A NOTICE

Never run the engine without or with a damaged air filter element. This will allow dirt to enter the engine, which can cause serious engine damage. In this case, the seller and manufacturer will not provide any warranty.

CHECK / REPLACE SPARK PLUG

Check the spark plug and the gap between the electrodes regularly.

⚠ WARNING

Hot surfaces.



There are parts on the engine with hot surfaces, such as the exhaust muffler or the engine cooling fins.

Wait until the engine has cooled down before performing any work on the engine.

Check, clean and replace spark plug

1. Allow the engine to cool down.
2. Remove the spark plug cap from the spark plug and remove any dirt in the spark plug area.
3. Unscrew the spark plug with the spark plug wrench and check it.

MAINTENANCE

4. Check the insulator. If there is any damage such as cracks or splinters, replace the spark plug.
5. Clean the spark plug electrodes with a wire brush.
6. Check the electrode gap and adjust if necessary.
The electrode gap must be 0.7 - 0.8 mm.
7. Carefully screw in the spark plug by hand and tighten it with the spark plug wrench.
8. Place the spark plug connector onto the spark plug.

A NOTICE

A loose spark plug can overheat and damage the engine. And over-tightening the spark plug can damage the threads in the cylinder head.

guideline:

- > Used spark plug: 1/8 - 1/4 turn
- > New spark plug: 1/2 turn

DRAINING OF OPERATING MATERIALS

Change the engine oil while the engine is still warm. Warm oil drains quickly and completely.

ATTENTION! Environmental damage.



Operating materials and parts contaminated with operating materials must not be allowed to enter the drinking water supply.

Dispose of the operating materials as hazardous waste, even if only small quantities are involved.

The engine oil should be changed after the first 5 hours of operation. After that, only every 50 hours of operation or every season.

1. Unscrew the oil drain plug (11).
2. Unscrew the oil filler plug (10).
3. Hold a suitable container (at least 1.5 liters) under the oil drain plug.
4. A second person tilts the shredder so that the oil can drain out.
5. Thoroughly clean the area around the oil outlet.
6. Screw the oil drain plug (11) back in.
7. Slowly add engine oil (1.1 liters, see "FUELLING").
8. Tighten the oil filler plug (10) tightly.
9. Remove any oil residue or dirt.
10. Dispose of engine oil in accordance with local regulations.

CLEANING

Clean the machine regularly to ensure optimal functioning.

dirt accumulations (Schnitzel, wood scraps, Any dirt (dust, greenery, etc.) inside the machine must be removed. Use a soft brush or vacuum cleaner to remove this dirt

Use a dry cloth to remove dirt from the chassis. When cleaning, never direct water at the bearings or the motor.

After cleaning, lubricate or oil all lubrication points and let the machine run briefly so that any water that has penetrated is pressed out again.

MAINTENANCE

MAINTENANCE PLAN

maintenance work	Before everyone use	After everyone use	After 1 each BTS*	After the first 5 BTS*	All 25 BTS*	All 30-50 BTS*	All 100 BTS*	At Requirement	Every season
Check the machine	■								
safety circuit (EMERGENCY STOP button) check	■								
protective devices and rubber protective flap check	■								
fastening screws check, if necessary follow suit			■						
refueling and checking the oil level	■								
change engine oil				■		■			
change fuel									■
Clean the air filter	■				■				
Replace air filter								■	
spark plug and spark plug connector control							■		
replacing the spark plug									■
cleaning the machine		■							
Check the V-belt	■								
checking the knife	■								
changing blades						■			
lubrication knife drum	■				■				

** BTS = operating hours
under normal operating conditions*

TRANSPORT / STORAGE

19. TRANSPORT

WARNING

Before transporting or moving the device or storing it indoors:

- Switch off the machine's motor and allow it to cool down to avoid burns and to eliminate the risk of fire.
- Disconnect the spark plug connector.
- Close the fuel tap.
- Transport the machine in an upright position to avoid fuel or oil leakage.
- When transporting over long distances, the fuel tank must be completely emptied to avoid fuel overflow.
- When transporting the machine on a vehicle, tie it down properly.

A NOTICE

Only transport the machine upright!

TRANSPORT BY HAND

Grab the machine by the drawbar and move it.

TRANSPORT WITH CHASSIS

1. Attach the drawbar to the towing vehicle.
2. Connect the safety chain to the towing vehicle.
3. Loosen the screws from the base and remove the base.
3. Check the tire pressure, approx..1.7 bar



If the machine is unhitched from the towing vehicle, the stand must be reinstalled. Place the machine on a horizontal, level and solid surface.

A NOTICE

The machine is not approved for use on public roads.

20. STORAGE

Storing the machine for a month or longer.

- Thoroughly remove any chopped material, dirt and deposits from the engine and the machine. Clean the engine with a cloth. Avoid spraying with a strong water jet (e.g. high-pressure cleaner), as water could enter the ignition and fuel system and cause malfunctions.
- Treat all moving parts with an environmentally friendly oil (**Do not use fat!**) and run the machine briefly (let it run for 1-2 minutes).
- Drain the fuel by running the engine until the fuel runs out.
- Clean the air filter and replace it if it is very dirty or damaged.
- Replace worn or damaged parts. Make sure that all screw connections are tightened.
- Disconnect the spark plug connector.
- Cover the machine and motor to protect them from dust and store them in a dry, clean place, out of the reach of children.
- Secure the machine against rolling away and unauthorized use (wheel chock). The machine must not be stored outdoors.

TROUBLESHOOTING

21. TROUBLESHOOTING



Before any troubleshooting

- Turn off the device
- Wait for the chopping blades to stop
- Remove the spark plug connector

Disturbance	Caused	remedy
Engine cannot be started	No fuel	filling the fuel tank
	recoil starter defective	Repair or replace recoil starter
	No engine oil	refill engine oil
	No ignition spark	Clean or replace spark plug
	Engine cold and choke set to OPEN (right)	Set choke to CLOSE position (left)
	Fuel tap set to OFF	Turn the fuel tap to ON
Engine is difficult to start or runs poorly	Too rich fuel mixture	Set the choke to OPEN (right) position
	carburetor incorrectly adjusted	Have the adjustment carried out by a specialist dealer
	Faulty spark plug, dirty or incorrectly adjusted	Clean spark plug, adjust or replace new one
Engine gets too hot	Too little engine oil	refill engine oil
	cooling air system restricted	Clean the fan grille, clean the internal cooling fins
	air filter dirty	Clean the air filter
	carburetor not adjusted correctly	Have the carburetor adjusted by a specialist dealer
engine too little power	air filter dirty	Clean filter elements, replace if necessary
	machine is overloaded	Reduce material feed, pay attention to max. Ø of branches!
	machine is clogged	Clean the machine thoroughly from the inside
Reduced cutting performance or decreases	knives are blunt	replacing blades
	V-belt slips	Tighten the V-belt.
The shredded material is not collected	feed roller switched off	Turn on the feed roller
Excessive vibration	Blades, screws, nuts or other parts loose	Stop the engine immediately! Check that all nuts and bolts are tight, replace damaged parts, adjust the V-belt tension.

If these measures do not resolve the problem or if errors occur that are not listed here, have your machine checked by a specialist.

WARRANTY / GUARANTEE / CUSTOMER SERVICE

22. WARRANTY / GUARANTEE CUSTOMER SERVICE

WARRANTY

On the Device becomes the legal Warranty period is given. Any defects that can be proven to be due to material or assembly errors must be reported to the seller immediately. Proof of purchase of the device must be provided by presenting the invoice and receipt when making a warranty claim.

The warranty is excluded with regard to parts if defects have arisen due to natural wear and tear, temperature or weather influences or due to defects resulting from negligent assembly, faulty connection, incorrect fuel/fuel mixture, installation, operation, maintenance, lubrication or force.

Furthermore, damage caused by inappropriate or improper use of the machine, such as improper modifications or

repair work of the owner or third parties, but also in the event of intentional overloading of the machine.

Wear parts with a limited service life (e.g. V-belts, clutch, throttle cable, spark plug, air filter, battery, blades, hoses, wheels, tools and other aids) as well as all setting and adjustment work are excluded from the warranty.

GUARANTEE

LUMAG guarantees flawless quality and, without prejudice to the statutory warranty, provides a guarantee in the event of material or manufacturing defects. The guarantee for LUMAG products is 24 months for exclusively private use, and 12 months from the delivery date for commercial or professional use or rental. Warranty claims must always be proven by the buyer using the original purchase receipt. A copy of this must be enclosed with the warranty application. The buyer's address and machine type must be clearly identifiable for professional or commercial use. Without the original purchase receipt, we can only carry out the repair for a fee.

Please do not send any devices back to us without a SERVICE NUMBER that you have received from our service department. If we receive devices unsolicited, we cannot accept and process them. To request a SERVICE NUMBER, please contact our service team at:

info@lumag-maschinen.de

Please clearly label the shipping box with the SERVICE NUMBER to ensure quick identification.

Warranty work is carried out exclusively by our LUMAG service workshop. Defects that occur within the warranty period due to material or manufacturing defects must be remedied by repair if they have occurred despite proper use and care of the device. We reserve the right to make two repairs if the same defect occurs. If repair fails or is impossible, the device can be exchanged for an equivalent device. If the exchange is also unsuccessful or impossible, there is the option of a replacement.

Normal Wear and tear, natural aging, improper use as well as cleaning, Maintenance and adjustment work is generally not covered by the guarantee (e.g. cutting device, air and fuel filters, spark plug and recoil starter, drive belt, etc.). Due to operation and use, some components are subject to normal wear and tear, even when used as intended, and may need to be replaced in good time.

CUSTOMER SERVICE

If you have any technical questions, information about our products or would like to order spare parts, our service team is available as follows:

Service hours: Monday to Thursday

from 7:30 a.m. to 12 p.m. and 1 p.m. to 5 p.m.,

Friday from 7:30 a.m. to 12:30 p.m.

Phone: + 49 8571/92556-0

Fax: + 49 8571/92556-19

E-mail: info@lumag-maschinen.de

CE DECLARATION OF CONFORMITY

23. EC DECLARATION OF CONFORMITY

In accordance with the provisions of the EC directives

Machinery Directive 2006/42/EC
EMC Directive 2014/30/EU
Outdoor Directive 2000/14/EC

explains the company

LUMAG GmbH
Rudolf-Diesel-Straße 1a
D-84375 Kirchdorf/Inn
Telephone: +49 8571/92556-0
Fax: +49 8571/92556-19

that the product

Designation: Gasoline disc shredder Type
designation: RAMBO-HC15H

meets the essential protection requirements of the above-mentioned EC directives.
Conformity is based on the following standards:

EN ISO 12100:2010

Safety of machinery - General principles for design - Risk assessment and risk reduction

EN ISO 14120:2015

Safety of machinery - Guards - General design requirements. Construction and selection of fixed and movable guards.

EN ISO 14982:2009

Agricultural and forestry machinery - Electromagnetic compatibility - Test methods and assessment criteria

EN ISO 4413:2010

Fluid technology - General rules and safety requirements for hydraulic systems and their components

EN ISO 3744:1995

Acoustics - Determination of sound power and sound energy levels of noise sources from sound pressure measurements - Envelope method of accuracy class 2 for an essentially free sound field above a reflecting plane

EN ISO 11094:1991

Acoustics; Methods for measuring airborne noise emissions from motor-driven lawn mowers, lawn tractors, lawn and garden tractors, professional mowers and lawn and garden tractors with movable accessories

Person authorized to compile the technical documentation: Christopher Weißenhorner

The declaration of conformity refers only to the machinery in the condition in which it was placed on the market; it does not take into account any parts and/or interventions subsequently fitted by the end user.

Kirchdorf, August 15, 2018

Christopher Weißenhorner, Managing Director

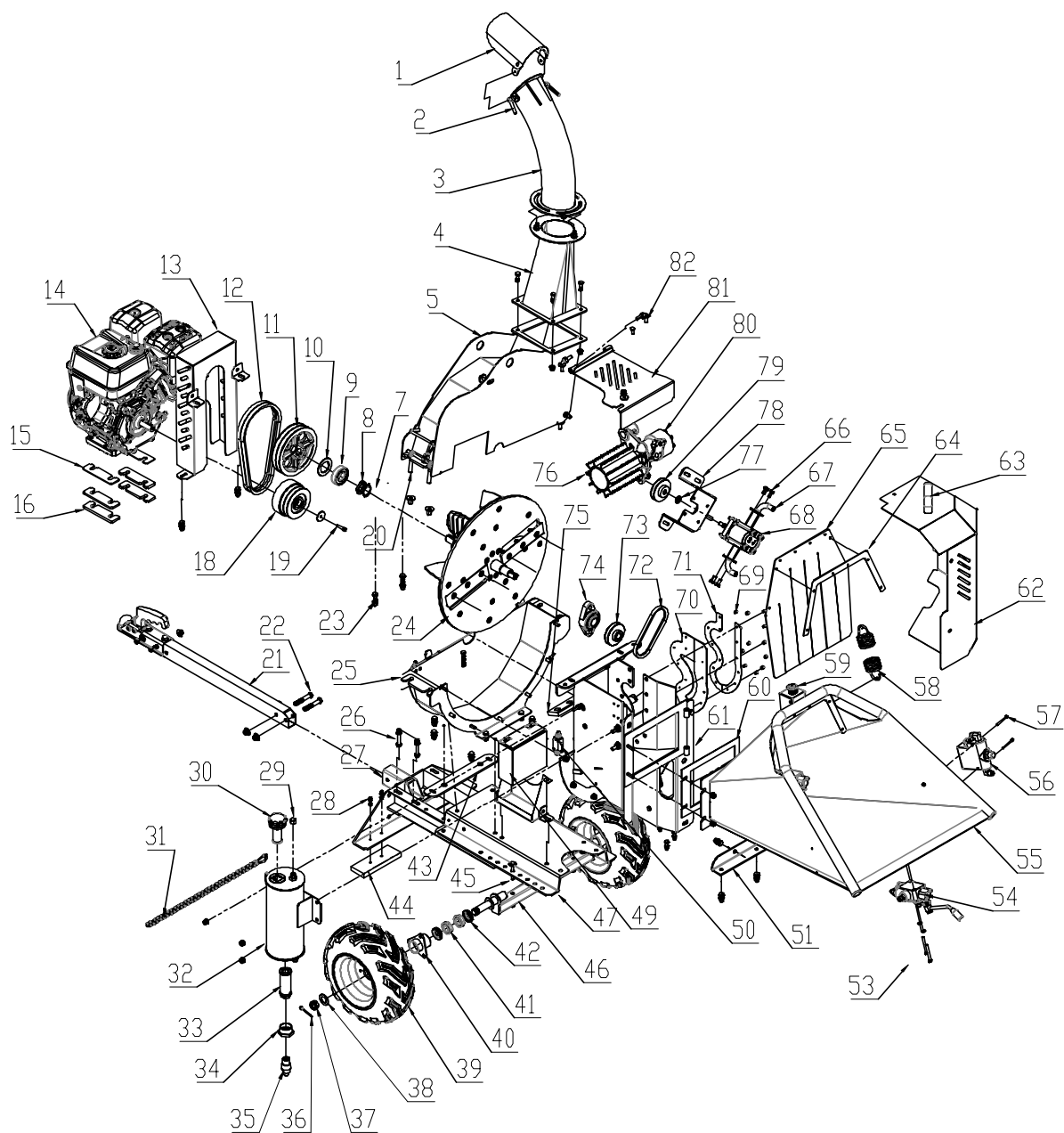
distributor, authorized representative

Place, date
Signature



COMPONENTS OF THE MACHINE

24. COMPONENTS OF THE MACHINE



Status: 08/2018 - RAMBOHC15H

LUMAG specialist dealer
can be found at: www.lumag-maschinen.de

LUMAG GMBH

Rudolf-Diesel-Str. 1a
D-84375 Kirchdorf a.Inn
Germany

Internet: www.lumag-maschinen.de



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/+LumagMaschinen