



Petrol Wood Chipper Operator's Manual HC15

FOR YOUR SAFETY

**Ensure you read and understand how to operate
the machine safely. Check your machines oil
levels before every use.**



Lumag Servicing and Maintenance Schedules

To maximise the life of your Lumag machine it needs to be serviced and maintained at every indicated month or operating hour interval, whichever comes first, in accordance with the below Schedules. Please note that failure to service your machine on schedule or use genuine Lumag parts and consumables will result in your warranty being void.

Engine Service & Maintenance Schedule

Item	Checks/Work	Each Use	20hrs (1st Month)	50hrs (2nd Month)	100hrs (6th Month)	300hrs (Yearly)
Engine Oil	Check Level	X				
	Change		X (1)		X	
Air Filter	Check	X				
	Clean			X (3)		
	Replace					X (4)
Sediment Cup	Clean				X	
Spark Plug	Check/Clean				X	
	Replace					X
Idle Speed	Check/Adjust					X (2)
Valve Clearance	Check/Adjust					X (2)
Fuel Tank Strainer	Check/Clean					X (2)
Combuster Chamber	Inspect/Clean					X (2)
Fuel Lines	Check					X (2)

Engine Oil	1000ml	Lumag Engine 1
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Machine Service & Maintenance Schedule

Item	Checks/Work	Each Use	Weekly	20hrs (1st Month)	50hrs (2nd Month)	100hrs (6th Month)	300hrs (Yearly)
Grease Main Bearing	Check Level	X					
Fasteners Tension	Check	X					
Clean Machine	Clean	X					
Inspect Clutch	Check/Adjust						X (2)
Drive Belt	Check/Adjust		X				
	Replace						X (2)
All Other Moving Parts & Cables	Lubricate			X			X (2)

1 – First service only, 2 = Should be carried out by your Lumag Dealer, 3 = May need to be done more often in dusty areas &
4 = Replace paper element only

Service & Maintenance Record

Product Details:	Model: _____ Serial number: _____ Purchase Date: _____							
Date:	Description of checks/work carried out:	Parts Used? Y/N	Parts Invoice Number:	Dealers Name:	Engineers Name:	Engineers Signature:		

Please note that failure to service your machine on schedule or use genuine Lumag parts and consumables will result in your warranty being void

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1. GENERAL



**WATCH
OUT!**
**Read all safety and
Instructions.**

Familiarize yourself with this manual with the machine, its proper use and the safety instructions. Keep this safe place so that you are readily available information.

If you pass the device to other people, please hand over the complete manual from with.

limitation of liability

We have tried to give as much information to prevent accidents during the operation, but can not for lack of completeness listed risk points sources are held accountable.

The manufacturer is not liable for damages due to:

- Failure to follow the operating instructions
- Not Determined use of machine
- Improper installation, commissioning, operation and maintenance of the machine
- operating the engine with defective safety devices or improperly attached or not functioning safety and protection devices
- failure to follow the instructions in the operating instructions 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 that are subject to wear
- Improper repairs
- disaster caused by foreign objects and force majeure

INFORMATION FOR INSTRUCTION / DETERMINATIONS

designation machine

The term machine replaces the commercial designation of the object to which these operating instructions - see cover sheet - applies.

copyright

All documents are protected under copyright law. A transmission and reproduction of documents, even in extracts and releases the contents are not permitted unless expressly agreed.

Reservations

Information on specifications, dimensions and illustrations of the device as well as changes of safety standards are subject to further development and are therefore not in any case for the supply binding.

Printing and typographical errors.



**WATCH
OUT!**

The machine is supplied without engine oil.

**For the first time must
ENGINE OIL will be
filled!**

Second IN SHAPEATION FOR INSTRUCTION

This manual describes functions, operation, maintenance and care of your new harvester. Please read it carefully and follow the instructions carefully to ensure your shredder a long life and give you a safe operation. Observe the safety information and instructions as well as for the local accident prevention regulations and general safety regulations.



Read Before carrying out any work with the machine, the operating manual, especially the Safety chapter and the relevant safety information. You must fully understand the read and observe. These are basic instructions and suggestions to prevent accidents. Errors in operation, inspection and maintenance can cause injury or even death.

Third INTENDED USE

The shredder is intended exclusively for chopping brushwood, shrubs, bark, branches to a branch thickness of 12 cm.

The machine is not suitable for garden soil prepare.

Roots with soil, stones, glass, metal, textiles, kitchen waste, cardboard or plastic may be crushed in no case with the machine.



**Cuttings of conifers or similar dense
clippings can lead to blockages!**

Any other or additional use is not considered to comply with regulations. The manufacturer is not liable for any resulting damage. The risk is borne solely by the user.

Observance of the operating and maintenance instructions and carrying out the maintenance, and compliance with the maintenance intervals, are intended for use.

**WATCH
OUT!**

Persons who are not familiar with the operating instructions, children, youth and persons with alcohol, drugs and medication influence may not operate the machine.

DELIVERY/ TECHNICAL DESCRIPTION SPECIFICATIONS/ USED TIME LIMITATION

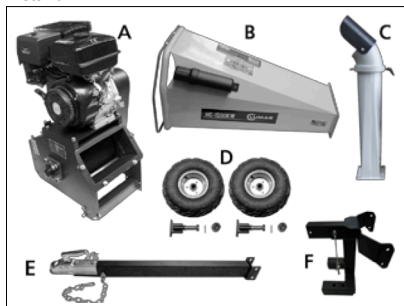
4. PACKAGE

Check the contents of the box / shipping box after unpacking

- completeness
- any damage in transit

Make complaints immediately to the dealer or manufacturer. Later complaints will not be accepted.

A gasoline engine frame and the rotor
B feed hopper
C chute
D 2 x wheel axis, cotter pin and cap
E drawbar with tow
F stand



5. TECHNICAL DESCRIPTION

The chopper is used for shredding woody Material, preferably in the garden area.

The machine is driven by a powerful 4-stroke gasoline engine OHV.

The blade drum - with two chopping knives and a counter-knife - is driven via two V-belts.

The chopped material is ejected through the chute by means of centrifugal force. Due to the angle of intersection of the chopping knife and the counter knife assembly from the branches are fed automatically. It is not necessary insertion.

The high discharge chute with adjustable ejector flap a targeted chopped-for loading wheelbarrows and organic waste bins is possible.

A wide chassis and wheels with pneumatic tires allow easy transportation. A support leg ensures stability.

6. SPECIFICATIONS

Model RAMBO-HC15	
Drive 4-stroke OHV gasoline engine	
Displacement 420 cc	
Engine power, max.	9.0 kW *
engine speed, max.	3.600 U /
min speed of the cutter	2.000 U /
min	
Fuel Unleaded regular gasoline	
Fuel content 6.5 litre	
Engine oil SAE 10W-30 or 10W-40	
Engine oil content ~ 1.1 litres	
spark plug	Type F7RTC or
	equivalent spark plug
feed hopper	Branches up to Ø 120
mm ° Guaranteed sound	
power level LwA	110 dB (A)
Operating weight	185 kg

° Max to be processed. Branch diameter, depending on the
Wood species and
freshness.

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

The technical specifications applicable at the time of printing and are subject to change without notice.

7. OPERATING TIME LIMITATION

In residential and small housing estates or on the grounds of hospitals and nursing homes may not be operated on Sundays and public holidays all day and on weekdays 20:00 to 7:00 chopper.

Please also refer to the local regulations for
Noise

ENVIRONMENT/ SYMBOLS

8. ENVIRONMENT

Please waste a for recycling, and not disposed of as waste. All tools, hoses and packaging should be sorted, and to bring to the recycling centre on site to ensure proper disposal.

Check with your local waste disposal authority for options for environmentally friendly disposal.



Gasoline is extremely flammable and explosive. Before refuelling, stop the engine and let it cool.



Unleaded fuel RON95 or higher

9. SYMBOLS

The machine symbols are attached. These represent important information is on the product or usage instructions.



WATCH OUT!

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



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



or cleaning, maintenance and repair work engine and remove the spark plug connector.

▲ DANGER

**Health and explosion due
To Petrol Engine**



In the exhaust gas of the engine poisonous carbon monoxide is contained. in a carbon monoxide-containing environment may lead to unconsciousness and death, not run the engine in an enclosed space.



Keep the engine from heat, sparks and flames. Do not smoke in the vicinity of the chopper!

BID SIGNS

Read these instructions completely before using the machine. Otherwise, the risk of injury to the operator and others increased.



When working with the machine, always
Wear eye protection.



When working with the machine, always
To wear ear
protection.



Wear protective gloves.



Wear safety shoes with
Steel cap.



Check engine oil!

Oil level before each use and in each case after min. 8 hours (BTS) control.



Protection and safety devices must
not be removed or altered.



Warning of hot surfaces.

Risk of burns !

Do not touch hot engine parts. They remain hot for a short time even after switching off the machine.



Entanglement in rotating belt caused a hand injury. always put the belt guard.

SYMBOLS/ SAFETY INSTRUCTIONS



WARNING! Hands and feet away from rotating blades Keep.
engage with the engine running out of holes, the feed hopper or chute.



WARNING! Keep hands away from moving parts.
only touch machine parts when they are completely stopped. With the engine running, never open or remove safety shields.



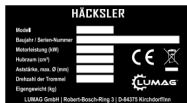
WARNING! Risk exposure to thrown objects with the engine running.

There is a danger that branches, garden waste or other material is suddenly ejected. For this reason, uninvolved persons and domestic animals should never before and stay beside the harvester. keep the engine running at a safe distance of min. 12 meters.



Chopping of branches of all kinds

max. 120 mm diameter, depending on the
Wood species and
freshness,



name plate

Equipped with model name, year and serial number.
For ordering spare parts or service information, this data Always state.



Old electrical / motorized equipment are recyclable waste and does not belong in the household rubbish! Please dispose of the parts in an environmentally friendly.

10. SAFETY

GENERAL SAFETY

⚠ WARNING

Instructions on hazards, warnings and precautions must be followed carefully to minimize the risk of injury or damage and incorrect service work.

There are the relevant accident prevention and observe the other generally recognized safety and occupational health regulations.

The machine is on before each start to check reliability.

Recommend caution with rotating tools. safety margin stood comply!

Recommend caution of coasting tools. The cleaver can conditionally chase through the flywheel. During this time, do not reach into the opening of the feed hopper and the discharge chute. Only when the cutting knife completely resting, the throttle lever (8) is in position, the engine switch to



OFF (OFF) is stationary and the spark plug connector has been removed can be worked on the machine.

For each relocation switch off the engine, remove spark plug and fuel valve (5)

 (lever slide to the right). transport the

machine in an upright position.

Operating the machine at a higher speed than in the can specifications' recommended lead to engine damage.

High engine speed increases risk of accidents!

your shredder

Read and understand the operating instructions and mounted on the machine labels. Familiarize yourself with the application and limitations as well as the associated, specific, potential hazards.

SAFETY INSTRUCTIONS

Familiarize yourself with the control panels and their appropriate use further. Learn how to stop the machine quickly and off.

Make sure that you read all the instructions and safety information in the manual and understand. Do not attempt to operate the machine before you have become familiar with the machine and know how it operates expertly and keeps maintenance. Incorrect operation or operation by inexperienced persons could be dangerous.

Children and adolescents under 16 years of age and not enrolled person operating the machine is prohibited.

Working and danger zone

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

The stay in the danger zone (min. 12 m) of the machine for other people, in particular children, pets and farm animals prohibited. Always before starting control the local area.

The machine is not in danger of explosions use environment or expose to rain.

Start Never the engine in a closed or poorly ventilated room or run. The exhaust gases of the engine contains carbon monoxide. Staying in a carbon monoxide-containing environment may lead to unconsciousness and death. Work with the machine outdoors only.

For starting work the shredded material to be processed is to inspect carefully. Remove any foreign objects such as nails, wires and the like. When working out for further objects eighth and remove them in time.

Keep the work area clean! Disorder can lead to accidents.

Never use the machine when visibility is poor or low light conditions.

Personal security

Do not operate the machine does not, if you are tired or when they are under the influence of drugs, alcohol or medication that operate your skills, the machine properly, could affect.

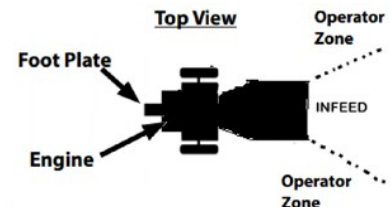
Dress properly. Wear a long, strong trousers, safety shoes and gloves. Do not wear loose clothing, shorts or jewellery of any kind. Secure long hair so it is above shoulder level. Keep your hair, clothing and gloves away from all moving parts. Loose clothes, jewellery or long hair can get caught in moving parts easily.

When the machine is always a good
Eye protection and ear protection.

Always on a stable, level surface and secure stand. Stand by throwing the chopped material on the same level with the machine.

Do not work on uneven ground or on
Hang. Caution over Hazards!

Take up a working position, which is located behind the machine side of the feed hopper. Never stand in the area of the ejection shaft.



Face and body stay away from the feed hopper.

Never in the intake or discharge chute to grab.

Check your machine before commissioning. Check the guards and protective covers for correct attachment and whether they are in order. Make sure that all nuts, bolts, etc. are securely tightened, particularly the nuts of the chopper.

SAFETY INSTRUCTIONS

Do not operate the machine if it is in poor mechanical condition and needs to be repaired. Replace damaged, missing or defective parts prior to commissioning. Check the machine for possible fuel leaks and worn blades. Keep the machine in good working order.

Do not use the machine in which the motor switch (ignition switch) can not be switched on and off. Defective switches must be replaced at a service station.

Make it a habit to check that all keys and adjustment have been removed before you start the machine. A fork or an Allen wrench that goes into a rotating part can lead to injuries.

Stay alert and pay attention to what you are doing. Use common sense when operating the machine.

Do not seize up. Do not operate the machine does not barefoot, do not wear sandals or similar lightweight footwear. Wear safety shoes to protect your feet and improve grip on slippery ground. Always keep proper footing and secure balance. In unexpected situations you this allows better control of the machine.

VA void you from accidentally being started. Make sure that the engine switch to "OFF" position before transporting the machine, performing maintenance or service. Transporting or servicing the machine when the motor switch can be dangerous.

Safety while using Internal Combustion Engines

DANGER

combustion engines make during operation and fueling a special hazard. Always read and follow the warnings and safety instructions also mentioned later in this manual. Failure to do so could result in serious injury or death.

Do not start or run the engine indoors, garages or enclosed areas

to let. The exhaust gases of the engine contains poisonous carbon monoxide. Staying in a carbon monoxide-containing environment may lead to unconsciousness and death.

Recommend caution with hot engine parts! Running engines produce heat. Engine parts, especially the muffler, become extremely hot. Keep a safe distance from hot surfaces and keep children from running your engine.

When adding or draining of the fuel a container intended for fuel in a clean, well-ventilated area. Smoke, sparks, flames or other sources, are not allowed in the vicinity and when filling the fuel. The filling of the fuel tank in a closed space is not permitted. Keep grounded conductive objects such as tools, bare, live wires and connections to avoid sparks or arcs. These can ignite gas or vapours.

Before refilling can always turn off the engine and cool the fuel. Never remove the fuel cap and fuel fill up when the engine is running or still hot. For leaking fuel lines, the machine must not be put into operation.

Loosen the fuel cap slowly so that the existing pressure in the tank is released gently.

Let not overfill the fuel tank. Fill the tank no more than 1 1/2 cm below the lower edge of the filler neck to provide enough expansion space as the heat of the engine can stretch the fuel. Use suitable filling aids.

Unscrew the lid on the fuel tank. Clean up any spilled fuel immediately. Do not operate the machine never without the fixed screwed tank lid.

In the vicinity of spilled fuel, no ignition source should be. If fuel is spilled, remove the machine from there. Do not attempt to start the engine and avoid any ignition source are discharged to the fuel vapours.

Store the fuel in containers, which

SAFETY INSTRUCTIONS

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

Never store fuel or refuelled with fuel machine indoors, into the fuel vapours to sparks, flames or other sources (such as water heater, furnace, clothes dryer and the like.) Can make. Let the engine cool down before the machine is parked in an enclosed space.

Safety in use and maintenance of the machine

Do not lift or transport the machine with the engine running.

Do not overload your machine. They work at the rate for.

Do not change the main settings of the engine and not over tighten the engine. If you do not shred, the engine should not be running.

Do not operate the machine never without protection and safety devices. Inappropriate guards are a safety hazard and can cause serious injuries.

The machine without feed hopper and use chute.

Keep hands and feet away from rotating Parts

Avoid any contact with hot fuel, oil, exhaust fumes and hot surfaces. Never touch the engine or exhaust with the engine running or stopping. These areas are very hot and can cause burns. Allow some time for the cooling of the engine before starting maintenance or adjustment.

If the machine begins to abnormally make noise or rotate, turn off the engine immediately. Pull the spark plug cap, and try to find the cause of the disturbance. Unusual noises or rotations are usually a warning of problems.

When blockages in the inlet and discharge of the machine,

Switch off the engine immediately. Spark plug cap and wait for the standstill of the tools. Eliminate immediately the fault.

Keep your original accessories. The use of other application tools and other accessories may cause unpredictable machine damage or risk of injury to the user.

Check the machine to misalignment or seized parts, breakage of parts and the like. To ensure the functionality and reliability of the machine. Regular maintenance of the machine is essential for maintaining the safety and performance of the machine.

Keep reducing the risk of fire the engine and exhaust free of grass, leaves, excessive grease or exhaust assembly.

Do not use gasoline or other flammable solvents to clean machine parts. Fumes from fuels and solvents can explode.

Baste or Never spray the machine with water or other liquid. Keep handles dry, clean and free of debris. Clean after each use.

Note the disposal laws and regulations for operating materials and supplies contaminated parts to protect the environment. Dispose of the supplies as hazardous, even if it is only small amounts.

Do Not Let the machine unattended while the engine is running.

Finish with the machine, then turn off the engine and secure from unauthorized use. In embodiments with an ignition key remove these, otherwise remove the spark plug.

Turn off the machine out of the reach of children.

SAFETY INSTRUCTIONS

Service security

Do not make any maintenance or cleaning with the engine running. Moving parts can cause serious injury.

For maintenance and repair work always disconnect the spark plug. Make sure beforehand that the engine switch is in the "OFF (OFF)". Accidental start-up is thus prevented.

Always look for the reliable state of the machine, in particular the fuel system should be checked for leaks.

Subject to protective equipment and work tools to wear, they must be checked regularly and replaced if necessary.

Damaged blades (cracked, worn or otherwise damaged) must be replaced immediately. When replacing the cleaver suitable tools and wear protective gloves.

Nuts and bolts regularly for tightness
Check and tighten if necessary.

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

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

Use genuine only approved parts. This machine complies with the relevant safety regulations. Repairs may only be performed by an authorized service centre or our service team. Replace damaged or worn machine parts always by original spare parts. This will ensure that the safety of the machine persists.

Electrical system

Users of pacemaker must not touch the live parts of the ignition system with the engine running.

SPECIFIC SAFETY RULES

Special security for the chopper

When starting the engine is not in the field of Ejection openings are.

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

Operate the machine always the side of the feed hopper. It is forbidden to stand in front of the chute when the machine is in operation.

Improper handling the sharp cutting edges of the knives can pose a significant risk of injury. Make sure that the two chopping knives and the counter knives are properly installed and securely fastened. This may cause serious injury.

The machine never without mounted and intact run protection device.

The carriage of persons on the machine not allowed.

Never place tools or other objects under the machine.

When the machine comes in contact with a foreign object, stop the engine and remove the spark plug. Check the machine for any damage. Let me fix the damage before you start the machine again and continue working.

If there are any obstructions on the cutting unit and eject, stop the engine, remove the spark plug and clean the cutting with an appropriate tool.

Start by chopping until the Gasoline engine, the max. has reached speed.

Do not operate the machine with sharp Knives, this reduces the risk of kickback.

Turn the engine off whenever the chopping delayed or if you move the machine from one location to another.

SAFETY INSTRUCTIONS

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

Residual hazards and protective measures

Mechanical residual hazards

Detecting winding

The machine can catch clothing, cords, wires, inter alia, foreign bodies and feed.
scan → chopped to appropriate foreign bodies.
Tight-fitting clothing.

Pulling force,

Rotating parts such as the blade unit can pull in baggy clothes and catch.
→ Basically, tight-fitting protective clothing. No shawls, scarves and the like carry.

To squeeze

Sloppy passing the chopped material can lead to serious injury.
→ Carry chopped slowly and carefully into the feed hopper. Attention, automatic feeder! Never use your hands!
Always insert → branches with the thick end first.
Never use pressure.
Pay attention to a safe stand.

ergonomic principles

Careless use of personal protective equipment (PPE)

Negligent use or omission of personal protective equipment can result in serious injury.
→ Wear prescribed protective equipment.

Human behavior, misconduct

→ Always be fully focused when working.
Residual risk - can never be ruled out.

Electrical residual hazards

Electric contact

When touching the spark plug may cause an electric shock when the engine is running.
→ Never the spark plug or spark plug touch with the engine running.

Thermal residual hazards

Burns

Touching the exhaust / housing can
Lead to Burns
Let cool → motor unit.

Exposure to noise

hearing loss

Prolonged, unprotected work with the machine can cause hearing damage.
→ wear hearing protection principle.

Exposure to materials and other substances

Contact, inhalation

The exhaust gases of the machine can cause a health hazard.
→ Use an engine unit outdoors only and insert regularly breaks.

Fire, explosion

Fuel is flammable.
→ During the work and refuelling is forbidden to smoke and fire.

other dangers

Slipping, tripping or falling of persons

On unstable surfaces can be damaged by tripping.
→ Watch out for obstacles in the working area.
Always ensure a safe footing and wear safety shoes.

Receive in an emergency

In a possible accident, you initiate the corresponding necessary first-aid measures and request as soon as possible qualified medical help.

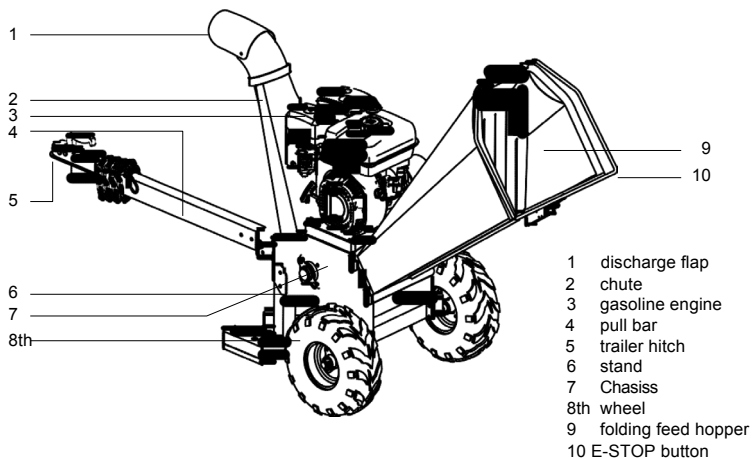
When you get help, enter the following information:

- where it happened
- what happened
- as many injured
- Kind of injuries
- waiting for inquiries

CONTROLS

11. CONTROLS

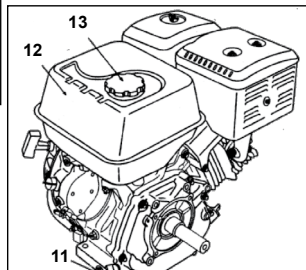
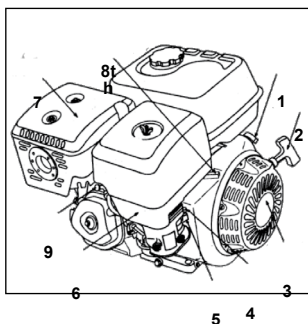
1 Chipper



2 gasoline engine

- 1 Engine switch (Ignition switch)
- 2 recoil
- 3 recoil starter
- 4 choke
- 5 Fuel tap
- 6 air filter
- 7 muffler
- 8 Throttle
- 9 spark plug, spark plug

- 10 oil filler cap with the dipstick
- 11 drain plug
- 12 fuel tank
- 13 gas cap



FEATURES

12 FUNCTIONS

ENGINE

Motor switch (ignition switch) (1)

Is in dangerous situations quickly disengaging required, the ignition switch to OFF put. The motor is switched off (ignition shorted).

It is still a further switch with the same Function is available.

■ emergency stop button (10) on the feed hopper.

Recoil, the recoil starter (2 + 3)

The starter is designed as a magneto ignition with spring return. Mishandling of the recoil can damage the starter. Wrap never the cable from reversing the hand.

Choke lever (4)

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

Fuel valve (5)

The fuel valve opens and closes the connection between the tank and carburettor.

Air filter (6)

The air filter is made of a pre-filter made of foam and a paper filter insert. It is located under the cover (6). On dirty air filter gets dirty by Run the engine and black smoke noticeable.

(7) exhaust muffler

The exhaust of the engine is warm, when the motor running. Avoid touching the muffler, when it is hot. Danger of burns!

Throttle lever (8)

The gas can be reduced with the lever on the engine, so the engine is idle and stops the blade drum.

Spark plug, the spark plug connector (9)

The spark plug of the engine is located under the

Oil filler cap with the dipstick (10)

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

Oil drain plug (11)

The oil drain plug is located at the back of the motor.

Fuel tank (12)

There is a fuel valve under the tank.

centrifugal clutch

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

EQUIPMENT UNIT

safety circuit

Emergency-stop pushbutton (10) on the feed hopper

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



WATCH OUT!

The cutterhead is running due to the flywheel a short time after!

In case of unexpected circumstances never hesitate to use emergency, stop button.

Always disconnect the spark plug cap

It is still a further switch with the same Function is available.
■ motor switch (ignition switch) (1) on the engine.

Creatable discharge flap (1)

The throw and throw direction of chopped material can be changed by adjusting the flap on the ejection tray.

Folding feed hopper (9)

The feed hopper can be folded for cleaning the cutterhead, to remove blockages and for changing the knife aside.

WATCH OUT!

For operating the machine must be mounted to the feed hopper and the safety circuit again.



Tie rod (5)

For a better guidance of the machine is a Drawbar provided.

NOTE

Dismount at the drawbar loading operation!



WATCH OUT!

The machine never lift the feed hopper or chute!

13th ASSEMBLY

The machine consists of parts that are heavier than 20 kg. These parts should always be supported by at least two people.

- petrol engine rotor
- feed hopper

The machine is not completely assembled. Go As follows:

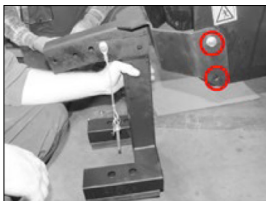
NOTE

It requires at least two to three people for assembly. Install assembly parts with the engine off.

Stand (F / 6) Install

The base is mounted on the rotor frame.

screw base 4 with screws, washers and nuts on the frame of the rotor. For this, the second person tips the motor back slightly.



drawbar with trailer hitch (E / 5) mount

The pull rod is mounted on the stand.

Drawbar with 2 screws M12x100, - washers and nuts assemble the stand.



ASSEMBLY

Wheel Fitter (D / 8)

die wheels are on the outside of the frame assembled.

The axle (See Figure 1-3) by the wheel rim. secure crown tighten nut (Figure 4) and with the pin (Figure 5). Then put the hubcap (Figure 6).



Image 1

picture 2

picture 3

Crown Tighten the nut (Figure 4) and by means of pin (Figure 5) secure. Then put the hubcap (Figure 6).



Figure 4 Figure 5 Figure 6

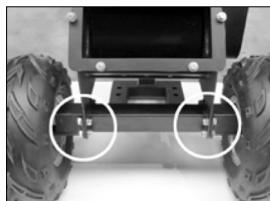
Repeat the process for the other wheel. A second

and third person lifts the machine.



Pay attention to the weight!

The second person lifts means of leverage over the tie rod, the engine on. 3. A person can help from behind when lifting the motor frame and the rotor. screw axis (Figure 7-8) with 4 screws, washers and nuts on the frame of the rotor.



picture 8



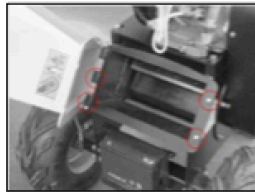
fittings check again and tighten if necessary!

picture 7

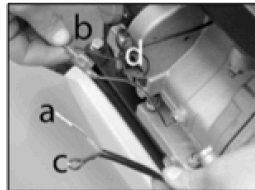
Folding feed hopper (B / 9) Install

Lift the hopper on the
hinge fold shut and secure the
M10 nuts

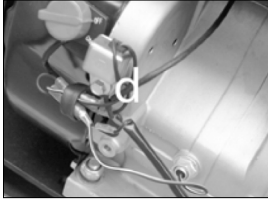
Caution Risk of cutting!

**Emergency stop button Connecting (10)**

Cable(A) is stuck in the lugs of the
cable (b). Subsequently, the cable
(c) with the screws (d) screw on the
motor.



BEFORE FIRST USE / TANKEN



eject chute t (C / 2)

eject Chute position it so that the mounting holes on the rotor frame match with the holes on the discharge chute. Using a second person the chute 4 screw, Assemble washers and nuts. Then tighten all 4 screws again!



WATCH OUT!

All fixings check again and tighten if necessary!

14th IN FRONT FIRST USE

NOTE

The engine of the machine does not come with gasoline and motor oil. Fill as under "FUEL" described the machine.

15th TBANKS

WATCH OUT!

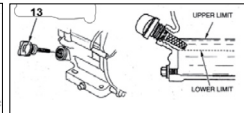
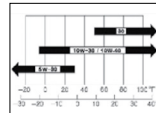
You may only carry out the work described in this chapter, after you have read the safety and understood. It affects your personal safety!

OIL

NOTE

For the first use engine oil must be filled! Faulty oil filling can cause irreparable damage to the engine. In this case, retailers and manufacturers to distance themselves from any warranty services.

1. Commercial motor oil with the specification use 10W-30 or 10W-40th
2. Oil filler plug on the motor unscrew.
3. engine oil up to the first thread of the Fill the filling hole.
4. Tighten the oil filler plug.
5. Wipe away oil residue / dirt.



Engine oil filler plug

Engine oil capacity:1.1 litres Do not overfill!

NOTE

When oil SAE 30 is used below 10 ° C, there is a severe start and possible damage to the engine bore by insufficient lubrication.

For checking the oil level, the machine must stand on a level surface and be switched off.

1. Remove the oil filler cap.
2. Oil wipe the dipstick.
3. filler plug adapter back into the opening, do not screw.
4. Remove filler plug again.
5. Check the oil level on the dipstick. The oil level must be between MIN and MAX (L and H) are.
6. In case of low oil level (MIN or less) equivalent engine oil.

TBANKS

PETRO

L

DANGER

Health and explosion due
Petrol engine



- In the exhaust gas, the engine is poisonous **Carbon monoxide contain.** The **Stay in a carbon monoxide-containing environment can lead to unconsciousness and death. not run the engine in an enclosed area.**



- Keep the engine away from heat, sparks and flames. Do not smoke in the vicinity of the machine!



- Gasoline is extremely flammable and explosive. Before refuelling, stop the engine and let it cool.

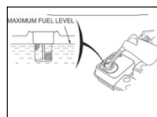
ATTENTION

Engine failure! Risk of engine damage from incorrect fuel.



- risk of engine damage due to wrong **Petrol. Only refuel gasoline RON 95 or higher. refuel in no case the machine with 2-stroke mixture, diesel or unapproved fuels.**

Regular unleaded gasoline with a research octane number of 95 or higher is required exclusively for this engine. Use only fresh, clean fuel. Water or impurities in the fuel can damage the fuel system.



Tank volume: 6.5 litre

refuel in a well-ventilated area with the engine stopped. If the engine has just been running, allow it to cool first. Never refuel the engine inside a building where gasoline fumes may reach flames or sparks.

⚠ WARNING

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

Fuelling must be observed:

- engine off and leave at least 10 minutes to cool before removing gas cap.
- engine from heat, sparks and flames keep away.
- The fill fuel outdoors or in a well ventilated area.
- Around to let the gasoline space for expansion, do not fill above the lower edge of the fuel nozzle out.
- petrol Keep away from sparks, open flames, pilot lights, heat and other ignition sources.
- When spilled fuel, wait until it evaporates before the engine is started.

FUEL STORAGE

- fuels are a limited storage life, they age. Superimposed fuels and fuel mixtures can cause starting problems. Store as you consume only as much fuel in one month.
- Fuel stored in containers that are specifically approved for this purpose. Keep fuel containers on dry and safe.
- **Store fuel container away from children.**

FUELING THE MACHINE

1. Clean the area around the fuel cap of dirt and debris.
2. Remove the fuel cap off carefully, so that the existing excess pressure can be reduced.
3. Carefully pour petrol one. To make the gasoline space for expansion, do not fill above the lower edge of the fuel nozzle out.
4. Screw fuel cap to the Tank cap firmly.
5. Wipe up spills immediately.

GETTING STARTED

16th GETTING STARTED

GETTING STARTED

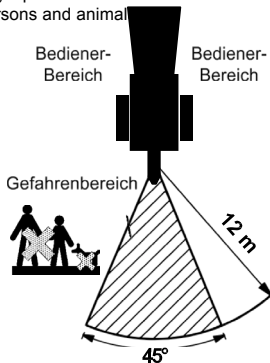
- Make sure that the machine is completely and correctly.
- Use The machine only on firm, horizontal surface. Attention, danger of tipping!
- Put The machine outdoors only.
Keep at least 3 meters away from house walls or other rigid objects.



WATCH OUT!

The stay in the danger zone of the chopper during starting and operation is prohibited.

- stick A n area of at least 3 m width and 12 m length from the side of the work area. Check the local area before starting. Pay particular attention to children, other persons and animal



When chopping chopped, stones and the like can airborne. No other persons or animals are allowed to stay in the ejection area = danger area.

Also watch out for cars, glass and other items that they are not damaged.

⚠ WARNING

When shredding is to ensure that no one can be injured by hurled chopped.

- Check Regularly the tire pressure (1.7 bar)
- Check the knife on perfect condition and proper attachment. blunted knife can be turned.

NOTE

Badly damaged or bent blades must be replaced with new ones.

⚠ WARNING

The machine Only operate when all knives are correctly inserted and secured. Furthermore, make sure that all protective devices mounted and positioned to provide protection.

- Check oil level and fuel, up if necessary.
- Check The condition of the air filter, fuel 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. Exhaust fumes contain carbon monoxide which acts toxic when inhaled!

⚠ WARNING

Warning of hot surfaces!

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

MOTOR START (Fig.1-6)

1. Fuel tap (5)  Push to open to the right.
Second In cold state the choke lever (4) to the left to "CLOSE / CLOSED"



GETTING STARTED

put. When hot the choke lever (4) to the right can be set to "OPEN / CLOSED".

Third throttle (8) from the idle



position "SLOW / SLOW" move it slightly to the left, direction

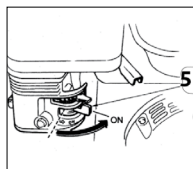
4th Motor switch (1) set to "ON / OFF".

5th recoil pull (2) slightly, until resistance is felt.

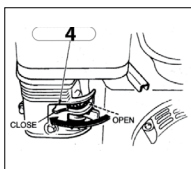
Then pull the rope smoothly and quickly and let slowly walk again. To repeat until the engine starts.

6th When the choke lever (4) to the Start the motor is set to "CLOSE / CLOSED", set it now during the engine warm-up gradually to "OPEN".

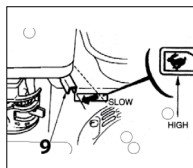
Throttle lever (8) for operating fully open, put slowly in direction.



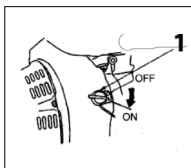
Pt. 1



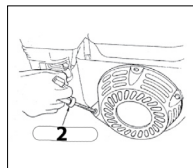
Pt. 2



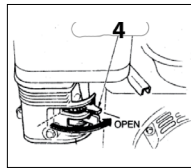
Pt. 3



Pt. 4



Pt. 5



Pt. 6

ENGINE (Fig.1-3)

1. Gas lever (8) in the idle position "SLOW / SLOW"

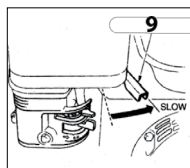
slide to the right.

2. Set the engine switch (1) to "OFF / OFF".

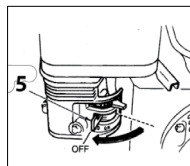
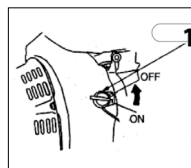
3. Then fuel valve (5) to close to the left to "OFF / OFF"



4. Spark plug (9) off = protection against unauthorized use!



Pt. 1 Pt. 2



Pt. 3

NOTE

A sudden switching off the engine at full throttle can cause engine damage.

STOPPING THE ENGINE IN AN EMERGENCY

In order to stop the motor in an emergency, simply press the emergency stop button (10) on the feed hopper.



WATCH OUT!

The cutterhead is running due to the flywheel a short time after!

never hesitate in unforeseen situations, the to operate emergency stop

chopping

It is still a further switch with the same Function is available.

- motor switch (ignition switch) (1) on the motor on set "OFF" ,

IDLE SPEED

Wf you do not shred, move the throttle lever (8) to the "SLOW / SLOW" position to the load on the engine to reduce. Reducing engine speed in the idle prolongs the life of the engine, saving of fuel, and reduces the noise level.

17 chopping

Check the machine before each use:

- loose screws and nuts
- damaged rubber flap in the feed hopper, replace if necessary
- safety circuit function
- properly attached Protection against - directions and their protective position
- engine oil level
- cracks in the panel assemblies and / or loose welds
- damage or breakage on the rotor



Wear Tight-fitting clothes and personal Protective equipment (PPE)

- Always work on a stable, level surface. The machine against unintentional rolling off (wheel chocks). Do not operate the machine when it is on a slope.
- Precautions Do not use the machine without the two wheels and the supporting foot are mounted.
- The Working position is side loading from the feed hopper the Machine. Never stand in the area of the discharge chute.
- Never use a stepladder or other increases

use to be cut into the hopper fill.

- Never in single or Discharge ports access.
- face and body of the intake opening keep away. Keep a safe distance!
- Hands, do not bring other body parts and clothing into the feed hopper or chute or in the vicinity of other moving parts.
- **Attention!** When chopping safe distance comply, do not bend over too far. Longer chopped material, which projects from the hopper, can spring back when it is drawn in by the blades.
- Check or every engine start, if no debris in the hopper are.
- First after reaching the max. Engine speed must be chopped.
- The Machine in no case is running tilt motor.
- At the Loading make sure that no foreign objects such as nails, wires, stones. get into the feed hopper.

When blockages:



Engine and remove the spark plug for safety!

crosswise Remove the funnel lying shredded only when the engine is stationary and the knife drum. Use to remove only another branch or piece of wood.

- at blockages in the inlet and discharge of the machine, turn off the engine immediately in case of extraordinary noise or vibration. Spark plug cap and wait for the standstill of the tools. Interference must be eliminated immediately.
- Never leave the machine running.
- **When replacing the blades and Counter knife off the engine and remove the spark plug. Check after one hour, check if all nuts and bolts are tight.**
- repairs may only be performed by an authorized service centre or our service team.

chopping

WAS MAY BE SHREDDED?

JA YES

Organic waste from the garden, such as hedges and pruning, shrubs, perennials and branches up to max. Ø 120 mm.

NEIN

NO

Rocks, roots with earth, glass, rags, plastic and metal parts, food waste.

CHOPPING

The chipper works better with dry material
Processing wet materials will lead to higher
Maintenance cost and down time



**Hands always before entry and
Ejection openings Keep away!**

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

WATCH OUT!



**Once the engine is running, the knives
and everything that is fed to the
hopper will move inevitably chaffed**

put chopped (branches, twigs, etc.) in the intake
funnel. If the machine is taking the branches, leave
the chopped off immediately. The branches are
collected by himself (document feeder). Thick
branches dosed introduce! Make sure that the
engine speed is maintained.

Side branches of more than 3 cm saw off first and
introducing
separately.

protruding from the machine chopped material can
beat it feeds into the machine around. Therefore,
keep a safe distance from the machine.

NOTE *The hardness of the to be chopped branches depends among other things on the particular type of wood, the time wipe cutting and chopping, and the dryness of the branches. Optimal results are achieved when the branches are chopped shortly after cutting.*

- thin and long shrubs or branches are drawn very quickly. For this reason, leave this chopped off very quickly.
- strongly process water containing chopped alternating with woody material to avoid clogging in the machine.
- **The blade unit pulls the chopped largely a self-employed.**
- The note maximum branch diameter to be processed (please refer "SPECIFICATIONS"). Depending on the type and freshness the maximum branch diameter may decrease.
- at Blocking the cutting unit off immediately in order to avoid overloading the engine the engine. Spark plug cap and rectify the fault!

**In unforeseen situations never hesitate the
emergency stop button (10) to operate the feed
hopper.**

The emergency stop may only be actuated in an
emergency. only can continue to run at idle to
normal parking the machine the engine and then
turn it off.

To the motor switch (1) to "OFF / OFF"
put. (See "Stop the engine")

When you stop chopping, give the machine enough
time to "turn clean". This start-up difficulties at the
next chopping be prevented.

MAINTENANCE

18. MAINTENANCE

WARNING

Improper maintenance or failure to comply or failure to correct a problem can be a source of danger during operation. Only operate regularly and properly maintained machine. Proper maintenance and lubrication help to keep the machine in perfect working order.

All personnel involved in work on the machine maintenance must be technically qualified and trained. You must know all the dangers and risks associated with the machine. Further investigations that are not described in this manual, must be performed by a qualified specialist workshop only.

WARNING



For all of cleaning, maintenance and repair work engine off, wait until the chopping blades and disconnect the spark plug.



When working in the field of knives, wear protective gloves!



Do not perform maintenance near an open flame. Risk of fire!

MAINTENANCE

1. Turn the engine off and let cool.
2. The throttle control is on "SLOW / SLOW" In the idle  position.
3. Always remove spark plug cap. unintentional Start is thereby prevented.
4. Inspect the overall condition of the machine. The machine is exposed to labour input vibrations. Therefore, getting all screwed connections must be checked for tightness after several hours.
5. feed hopper and knives are carefully

wait to damage and injury avoid.

6. Pay attention to the reliable state of the machine, in particular the fuel system and the Check fuel system for leaks.
7. After each use, dirt and shredded material that has accumulated on the machine must be removed. To avoid overheating of the engine, the cylinder cooling fins must be kept clean. Use a commercially available multi-purpose oil to be oiled to all moving parts.
8. Use original parts only. Other parts can cause unpredictable damage and injuries.
9. After repair and maintenance work again properly install the safety devices on the machine and check.

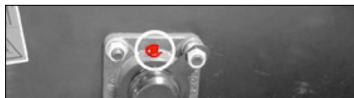


Never use a high pressure washers use to clean the machine. Water can penetrate narrow slots and damage spindles, pulleys, bearings and the motor. The use of a high-pressure cleaner results in a shortened service life and operational suitability.

LUBRICATION DRUM HACK MOVEMENT

Dispose of oily and fatty parts and used oil according to legal regulations.

On both sides of the bearings of the cutterhead to the grease nipples after each **25 operating hours** and grease after cleaning with a grease gun.



It is still a further switch with the same Function is available.
■ motor switch (ignition switch) (1) on the engine.

Creatable discharge flap (1)

The throw and throw direction of chopped material can be changed by adjusting the flap on the ejection tray.

MAINTENANCE

The second lubricating nipple is located behind the belt guard. solve the 4 fastening screws on the belt cover and remove the cover.

1. Clean the grease fittings with a Cloth.
2. Place the grease gun successively to all on nipples and pump a grease.
3. Wipe away excess fat.



After smearing the belt guard is properly reattached.

MOUNTING BOLTS

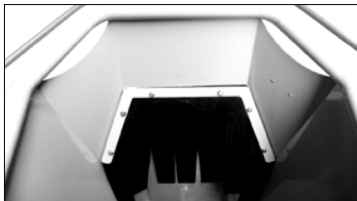
To each 1 **hour of operation** all mounting screws on Check tightness, possibly. follow, in particular the fastening screws of the feed hopper, chute and the knife.

SAFETY CIRCUIT

The function of the safety circuit **For each start** and check with any care and maintenance work.

RUBBER FLAP

The Rubber protective flap for **each start** and for each service and maintenance work for wear and replace if necessary with a large wear.



KNIFE



engine Off and Spark plug caps!



Wearing safety gloves!

Dull blades

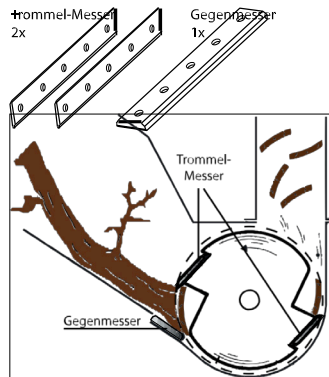
- sound cumbersome.
- greatly diminish the performance
- The drive belt - despite tension slips.

After about **30 - 50 hours** the blades of the knives under normal operating conditions are blunted.

The two drum-knives have two cutting edges and can thus again be turned.

The fixed counter knife can even be turned.

Set the counter knife by means of a thickness gauge on average gap of 0.5 mm. Then tighten the mounting bolts to 60Nm and medium thread locking compound.



drum hack factory

MAINTENANCE

Blunt knives can be turned. Damaged blades (bound knocked out, badly bent or otherwise damaged) must be replaced immediately.



The machine must not be put into operation if the knives are not fully inserted!

For all parts of the manufacturer's original versions must be used.

BELT

The two belt before **for any Commissioning** check on their condition.

With a V-belt replacement both must always V-belt to be changed.

1. Remove the belt cover.
2. Point the V-belt for wear, then these must be replaced.

The belt must be placed loosely. If they are forced upon the pulley, there is a risk that they will be damaged and tear after a short time.

The V-belts must be biased so that they are at the centre by thumb pressure about let through press 8-10 mm.

V-belt type:
2 pieces, belt 17x1030 Li

V-belt tension

Periodically check the tension of the belt. A loose belt reduces the speed of the motor. The V-belt is correctly tensioned when this 8-10 mm can be pressed.

1. Remove the belt cover.
 2. Check belt tension. post-tensioning the V-belt when the belt more than 10-15 mm yields (thumb pressure).
 3. Remove the four screws on the motor to re-tensioning.
- the extent enabling the fourth motor until the belt can press 8-10 mm.

5. Make sure that the drive and Motor pulley alignment.
6. Tighten the screws on the engine.
7. Attach the belt cover.

Change V-belts



Replace worn belts with original

1. Remove the belt cover.
2. Remove the four screws on the engine.
- the extent enabling the fourth engine until the belt has to be removed easily.
5. Install new belt.
6. Tighten belts, such an extent offset the engine until you can press the strap through 8-10 mm.
7. Make sure that the drive and Motor pulley alignment.
8. Tighten the screws on the engine.
9. Install belt cover.

NOTE

For fine adjustment and tensioning of the belt, the clamping screw can be used if installed on the machine.



The machine Only operate when all protective and safety devices installed in the safety position and are in working order.

CLEANING THE AIR FILTER / CHANGE

Frequent cleaning of the air filter (6) prevents the carburettor malfunctions. When the engine starts to smoke and if at the same time decreases the engine power, this is the sign that the filter is clogged. clean air filter easily beat so that dust falls out of the paper element.

⚠ WARNING

NEVER use gasoline or cleaning solutions with a low flash point to clean the air filter insert. A fire or explosion could result.

MAINTENANCE

Clean the air filter, change filter elements

1. Loosen the fastener and cover lose weight.
2. dirt from the inside of the filter housing wipe with a clean damp cloth.
3. Foam filter insert carefully remove the paper filter insert. Check both parts for damage. Replace damaged inserts.
4. Clean the foam filter insert with warm water and mild soap solution. Rinse thoroughly with clean water and allow to dry thoroughly.
5. Lightly tap paper cartridge on a hard surface to remove the dirt. never brush off dirt, since it is thereby pressed into the fibres
6. foam insert on the paper filter element put on .
7. Install the filter element again.
8. Close the cover and with the secure fastener.

NOTE

Never run the engine without or with a damaged air filter element. Dirt gets so into the engine, causing serious damage to the engine. In this case, sellers, and manufacturers to distance themselves from any warranty services.

SPARK PLUG CHECK / REPLACEMENT

Regularly check the spark plug and the Distance of

⚠ WARNING

Hot surfaces.



Am motor are parts with hot surfaces, for example, the muffler or the cooling ribs of the motor. Wait until the engine has cooled, before working on the engine.

inspect, clean and replace the spark plug

1. Allow the engine to cool.
2. Disconnect the spark plug cap from the spark plug and remove any dirt around the spark plug area.

3. spark plug with the spark plug wrench Unscrew and check.
4. Check insulator. In case of damage such. B. Replace cracks or splinters, spark plug.
5. spark plug electrodes with a wire brush clean.
6. Check the electrode gap and adjust if necessary. Electrode gap must be 0.7 - 0.8 mm.
7. Carefully screw the spark plug by hand and tighten it with a spark plug wrench.
8. Replace the spark plug cap onto the spark plug.

NOTE

A loose spark plug can overheat and damage the engine. And an 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

DISCHARGE APPARATUS

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

WATCH OUT! Environmental damage.



Supplies and materials contaminated with operating parts may not enter the drinking water supply.

Dispose of the supplies as hazardous, even if it is only small amounts.

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

1. Oil drain plug (11) unscrewed.
2. filler plug (10) unscrewed.
3. A suitable vessel (min. 1.5 litres) under the keep the oil drain plug.
4. A second person tips the shredder to allow the oil to drain.
5. area around the oil outlet opening thoroughly clean.
6. oil drain plug (11) back in.

MAINTENANCE

7. Engine oil (1.1 liters, see "FUEL") slowly Fill.
- Screw 8. filler plug (10) firmly.
9. Remove oil residues or contaminants.
- 10 motor oil according to local regulations to dispose.

CLEANING

Clean the machine regularly to ensure optimum accuracy.

Accumulation of dirt (chips, wood residues, dust, adhering leaf-green, etc.) must be removed in the interior of the machine. Use a soft brush or a vacuum cleaner to remove these contaminants

Remove dirt from the chassis with a dry cloth. When cleaning Do not direct water onto the bed, or on the engine.

After cleaning Grease or oil all lubrication points and run the machine briefly, so that the entered water is pressed out.

Service Schedule

Maintenance	Vor each use	After each use	To each 1 BTS	After the first 5 BTS *	All 25 BTS *	All 30-50 BTS *	All 100 * BTS	at require ment	each season
check the machine	■								
Check the safety circuit (emergency stop button)	■								
Guards & Check rubber damper	■								
Check fastening screws and tighten if necessary			■						
refuel and check oil level	■								
Change engine oil				■		■			
Change petrol									■
Clean the air filter					■				
Replace the air filter								■	
spark plug and Check the spark plug							■		
replace the spark plug									■
clean machine		■							
check V-belts	■								
check knife	■								
knife switch						■ ¹			
Lubrication cutterhead					■				

* BTS = operating hours

¹under normal operating conditions

TRANSPORT/ STORAGE

19th TRANSPORT

WARNING

For the transport or before a location change or switching off indoors:

- engine Switch off the machine and let it cool to avoid burns or fire.
- Disconnect the spark plug.
- Fuel tap close.
- The Carrying machine in an upright position to prevent fuel or oil leakage.
- at a transport over long distances is the fuel tank to empty completely to avoid a fuel spill.
- At the Transport on a vehicle, the lashing machine properly fixed.

NOTE

transport the machine in an upright position!

TRANSPORT BY HAND

attack the machine on the pull rod and move.

TRANSPORT OF SUSPENSION

1. Hang the drawbar to the towing vehicle.
2. The safety chain to the towing vehicle connect.
3. Remove the screws from the stand and foot lose weight.
3. Check the tire pressure, ca. 1.7 bar.



Suspended the machine from the tractor, then the base must be mounted again. Put the machine on a horizontal, flat and stable surface.

NOTE

The machine is not for use on the Roads admitted.

20th STORAGE

Storing the machine for a month or longer.

- Chaff, remove dirt and debris, rinse the motor and the machine. Clean engine with a cloth. A spraying with a strong water jet (eg high pressure washer) should be avoided because it could water gets into the ignition and fuel system causing malfunctions.
- All movable parts with an environmentally friendly oil deal (do not use grease!) and the machine briefly into operation (run 1-2 minutes).
- The Empty fuel. In this run the engine until the fuel runs out.
- air filter clean and replace when heavily soiled or damaged.
- Please ensure any damaged parts are replaced. that all screws are tightened.
- Disconnect the spark plug.
- The cover machine and engine to keep out dust and inaccessible, store in a dry, clean place for children.
- machine against rolling and unauthorized use (chock). The machine must not be stored outdoors.

TROUBLE

21st TROUBLE



Vor each troubleshooting

- Switch off the device
- Wait for standstill of the chopping blades
- Disconnect the spark plug

disorder	root cause	remedy
Engine will not start	No fuel	Fill the fuel tank
	reversing defective	repair or recoil replace
	Engine oil	Engine oil
	No spark	Clean or replace the spark plug
	Engine in a cold state and Choke set to OPEN (re)	Choke position CLOSE (li) put
	provided fuel valve to the OFF	Turn the fuel valve to the ON
Engine can be started or running hard bad	Too rich fuel mixture	Choke in OPEN (re) position put
	Vergaser set incorrectly	Adjustment by dealer can make
	Faulty spark plug dirty or incorrectly set	Clean the spark plug, new Adjust or replace
Motor is too hot	Insufficient oil	Engine oil
	Impaired cooling	Clean cooling fan grille, clean internal cooling fins
	Dirty air filter	Clean the air filter
	Vergaser not set correctly	Vergaser by retailer can be set
Motor too little power	Dirty air filter	Clean the filter elements if necessary
	Machine is overloaded	reduce material supply, max. Ø note of the
	Machine is clogged	Thoroughly clean the machine from the inside
Vermin-made or average power decreases	Dull blades	contact knife or replace
	Counter knife is worn out	Against knife contact or change
	V-belt slips	Tension V-belt.
The shredded material is not automatically moved in	Dull blades	contact knife or replace
excessive vibration	Blades, screws, nuts or other parts loose	Stop the engine immediately! All Check nuts and bolts for tightness, exchange damaged parts, adjust V-belt tension.

If these measures do not eliminate the error or errors occur that are not listed here, then let your machine by a professional check.

WARRANTY/ WARRANTY / SERVICE

22nd WARRANTY / WARRANTY SERVICE

WARRANTY

On the device, the statutory warranty period is given. Any defects that are detectable in material or assembly faults must be immediately reported to the seller. The proof of purchase of the equipment must be provided for warranty claims by submission of invoice and receipt.

The guarantee will not apply in respect of the parts when defects caused by natural wear, temperature, weather influences, as well as damages due to negligent installation, poor connection, improper fuel / fuel mixture, installation, operation, maintenance, lubrication or violence arose.

Further damage is caused by improper misuse of the machine, such as improper changes or autonomous repair work of the owner or a third party, but also in case of intentional overloading the machinery assume no warranty.

wear parts with limited duration of life (eg, V-belt, clutch, throttle cable, spark plug, air filter, battery, blades, hoses, wheels, tools and other tools), and all setting and adjustment are excluded from the warranty.

WARRANTY

LUMAG guaranteed flawless quality and assumes, unscathed the implied warranty, in the case from Material- or manufacturing defects Warranty. The warranty for LUMAG products is at exclusively private Use 24 months in a commercial or professional use or use or for rental; 12 months from delivery date. Warranty claims are always verified by the buyer by original sales receipt. This is attached to the warranty claim in copy. Buyers address and type of machine must be clearly identifiable at professional or commercial use. Without the original purchase receipt, we can perform the repair only against payment.

Please do not send equipment back to us without a SERVICE NUMBER that you have received from our service department. we obtain equipment without being asked, we cannot accept and deal with this. To request a SERVICE NUMBER please contact our service team at:
info@lumag-maschinen.de

Please label the shipping box are clearly labelled SERVICE NUMBER to ensure fast classification.

Warranty work be carried out by our LUMAG service workshop. Possible defects within the warranty period due to material or manufacturing errors, if they occur despite proper use and care of the unit to eliminate by a rectification. Here, we reserve the right to a two-time improvement, with same mistake before. Proposes an amendment fails or this is impossible, the unit can be exchanged for an equivalent device. Is the exchange unsuccessful or impossible, there is the possibility of conversion?

Normal wear and tear, natural aging, improper use as well as cleaning, maintenance and adjustments generally are not subject to the warranty (eg cutter, air and fuel filters, spark plug and reversing, drive belts and the like.). Operation and utilization Due subject to some devices, even when used as intended, normal wear and may have to be replaced in time.

CUSTOMER SERVICE

For technical questions, information about our products and spare parts orders, please contact our service team is available as follows:

Service time: Monday to Thursday from 7.30 -
12 am and 13-17 pm, Friday
7:30 to 12:30

Telefon: 0049 / (0) 8571/92 556-0
Fax: 0049 / (0) 8571/92 556-19
E-mail: info@lumag-maschinen.de

CE DECLARATION OF CONFORMITY

23 EC DECLARATION OF CONFORMITY

Under the provisions of the EC directives

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

explains the
company

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that the product

Description: Chopper
Ttype designation: RAMBO-HC15

corresponds to the basic requirements of the above EU guidelines. The conformity is based on standards listed below:

EN ISO 12100: 2010
Safety of machinery - General principles for design - Risk assessment and risk reduction

EN 13525: 2005 + A2:
2009
Forestry - Wood chippers - Safety

EN ISO 14982: 2009
Agricultural and forestry machines - Electromagnetic compatibility - Test methods and evaluation criteria

EN ISO 3744: 1995
Acoustics - Determination of sound and sound energy levels of noise sources from sound pressure - Engineering method 2 for a substantially free field over a reflecting plane

EN ISO 11094:
1991
acoustics; Method for the measurement of airborne noise from the motor-driven lawn mowers, lawn tractors, lawn and garden tractors, lawn mowers used for business purposes and lawn and garden tractors with movable accessories

Authorized representative for the compilation of technical documents: Christopher Weißenhorner

The declaration applies exclusively to the machinery in the state in which it was placed on the market; subsequently attached by the end user parts and / or subsequently tampering disregarded.

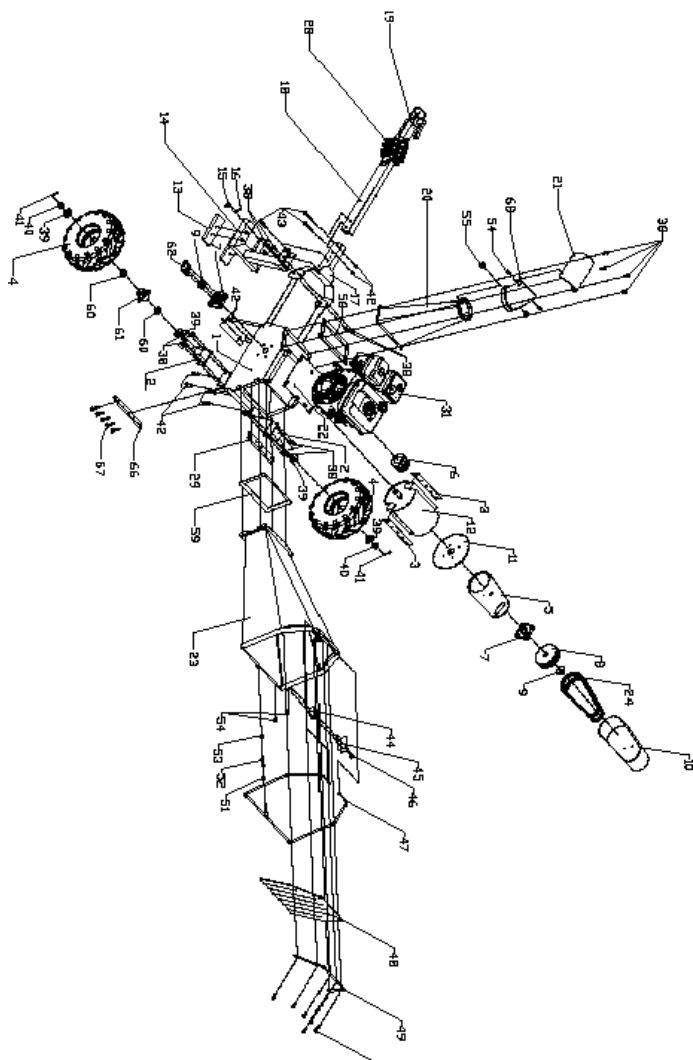
Kirchdorf, 11/15/2016

Manfred Weißenhorner, CEO



COMPONENTS THE

24th PARTS OF THE TOOL





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