



RP-i12

DANGER!

The engine oil was drained for shipping.
Before first use,
Engine oil needs to be refilled!



o.: RP-i12

www.lumag-maschinen.de

D

original operating instructions
vibrating plate RP-i12

Model: RP-i12

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.

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1. GENERAL

1.1 INFORMATION ON THE OPERATING INSTRUCTIONS

This operating manual provides important information on handling vibratory plates. The prerequisite for safe working is correct compliance with all specified safety instructions and handling instructions. In addition, the local accident prevention regulations and general safety regulations applicable to the area of application of the machine must be observed.

The operating instructions must be read carefully before initial operation! They are part of the product and must be kept in a known location that is accessible to all users at all times.

This documentation contains information on how to operate your machine, regardless of the type of machine. For this reason, you will also find explanations that do not directly relate to your machine.

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

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

Subject to printing and typesetting errors.

1.2 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 with improperly installed or non-functional safety and protective devices
- 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

INTENDED USE

1.3 COPYRIGHT

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.

2. INTENDED USE

The vibrating plate is designed and tested exclusively for the intended use described here. All other activities are strictly prohibited.

- The vibrating plate is used exclusively for compacting loose and granular soils, gravel and interlocking stones, as well as in narrow areas around buildings, curbs and foundations. The application ranges from trench and surface compaction - even in cohesive soils - to the compaction of interlocking stone paving. The forward and reverse motion can be switched continuously.
- However, the machine is not suitable for compacting hard surfaces or soils with a high clay content.
- The rubber mat is to be used exclusively for vibrating paving stones etc. Other materials such as gravel etc. can be processed without the rubber mat.
- The vibrating plate is designed as a one-man device and may therefore only be operated by one person.
- The machine may only be used outdoors.
- The machine must not be used in rain, on ice or on very hard, stony ground.**CAUTION!**
Risk of injury.
- Lubrication must always be ensured.
- The safety devices must not be dismantled or bypassed.

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.

The warranty expires if the machine is used in commercial, trade or industrial operations or for equivalent activities. If the machine is used for commercial or industrial purposes or similar, LUMAG accepts no liability.

WARNING

Any use of the machine that goes beyond the intended use and/or in any other way can lead to dangerous situations! LUMAG GmbH will indemnify itself against the consequences of any claims that result from non-compliance with these regulations.

OPERATING HOURS RESTRICTION ENVIRONMENT / SAFETY

3. OPERATING HOURS RESTRICTION

In residential and small settlement areas or on the premises of hospitals and care facilities, vibrating plates may not be operated all day on Sundays and public holidays, or on working days from 8 p.m. to 7 a.m.

Please also observe the regional regulations regarding noise protection.

4. 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.

The site of use must be protected against contamination by leaking operating materials. Used or remaining operating materials must be recycled in accordance with the environmental protection regulations applicable at the site of use.

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

5. SAFETY

This section of the operating instructions provides a comprehensive overview of all important safety aspects for optimal protection of the operator as well as for safe and trouble-free operation.

Failure to follow the instructions and safety information contained in this manual may result in significant danger.

5.1 WARNINGS

Warning notices are marked with symbols in this manual. Notes relating to your personal safety are highlighted with a warning triangle; notices relating solely to property damage are shown without a warning triangle.

The instructions must be strictly followed to avoid accidents, personal injury and property damage.

DANGER

Failure to follow these instructions may result in serious danger to life or death.

WARNING

Failure to follow these instructions may result in death or serious injury.

CAUTION

Failure to follow these instructions may result in minor to moderate injury.

A NOTICE

Failure to follow these instructions may result in damage to the engine or other property.

In addition, the operating instructions contain other important text passages marked with the word **DANGER** are marked.

5.2 OPERATIONAL SAFETY

WARNING

Familiarize yourself with the machine. Proper training is a prerequisite for working safely with this machine. Incorrect operation or operation by untrained persons can be dangerous. Read the operator's manual for this machine and the engine manual carefully and familiarize yourself with the location and correct use of the controls. Inexperienced operators must be instructed by personnel who are familiar with the machine. Only then may they operate the machine.

In addition to the occupational safety instructions in this operating manual, the safety, accident prevention and environmental protection regulations applicable to the area in which the machine is used, as well as the road traffic regulations, must be observed.

responsibility of the operator

The operator must make the operating instructions available to the operator and ensure that the operator has read and understood them. The operating instructions must be handed over at the same time.

SECURITY

In addition, he must train the staff at regular intervals and inform them about the dangers involved in using the machine.

Furthermore, the operator is responsible for ensuring that the machine is always in technically perfect condition.

operator's responsibility

Only trained persons may start, operate and switch off the machine. The operator must be trained in the correct operation of the machine and be familiar with the necessary safety devices. Insufficiently informed operators can endanger themselves and others through improper use.

First-time users should seek instruction from the seller to familiarize themselves with the characteristics of the motor-driven machine, its intended use and the necessary safety devices.

WARNING

Persons who are not familiar with the operating instructions, children, young people under the age of 18 and people under the influence of alcohol, drugs or medication are not permitted to operate the machine. Young people aged 16 and over may use the machine as part of a training course and under the supervision of a trained person.

Personal protective equipment (PPE)

When handling the machine, it is essential to wear personal protective equipment (PPE) to minimize risks to the operator.

- Tight-fitting **work clothes** that does not hinder movement. It is primarily used to protect against being caught by moving parts.
- **soundproofing agents** such as hearing protection, earmuffs, etc. to protect against hearing damage.



ATTENTION! Noise can be harmful to health. If the permissible noise level of 80 dB(A) is exceeded, hearing protection must be worn.

- **face mask** to protect against respiratory diseases. Fine dust or particles can be retained.
- **safety glasses with side protection** to protect the eyes from dust or splinters.
- **work gloves** made of sturdy leather to protect against sharp edges, splinters or excessive vibration.
- **Safety shoes or boots with steel caps** to protect against uneven, sharp-edged surfaces or falling objects. The safety footwear also ensures a secure footing.
- **protective helmet** to protect the head from falling objects and swinging loads. It can also protect against injuries in confined situations.

Use the machine only for the purposes stated in point 2 "Intended use".

An untrained person must not operate this machine. The operator of this machine must be familiar with the risks and dangers associated with its operation.

Do not touch the engine or muffler while the engine is running or immediately after it has been turned off. These areas become hot and can cause burns.

Never operate the machine without a belt guard. Open drive belts are a source of danger and can cause serious injuries.

Do not operate the machine with unauthorized accessories or additional parts.

Never leave the machine running unattended.

The effectiveness of the controls must not be unduly influenced or eliminated.

Only operate the machine when all guards and protective guards are in place and functioning properly.

- Protective devices and parts must not be modified or disabled.
- Damaged protective devices and parts must be repaired or replaced as intended by an approved specialist workshop, unless otherwise stated in the operating instructions.

The operational safety of the machine must be checked before starting work, especially the function of the throttle lever, start/stop switch and the tightness of the fuel system. Do not operate the machine if any damage or defects are visible. Damage and defects must be remedied immediately.

Working with the machine requires a high level of attention.

- Pay attention to the environmental conditions at the workplace.
 - Obstacles in the work and traffic areas.
 - Load-bearing capacity of the soil.
 - Necessary securing of the construction site, especially in relation to public transport areas.
 - Necessary securing of walls and ceilings.
 - Options for assistance in the event of accidents.
- Ensure that there is sufficient lighting in the working area and the area surrounding the machine.
- Ensure you have a secure footing in bad weather, on uneven terrain or on slopes.

Only work when you are in good physical shape. Fatigue also leads to carelessness. You need to be particularly alert at the end of your working day. Carry out all work calmly and carefully.

The operator is responsible to third parties.

Never work under the influence of alcohol, drugs or medication. Your vision, reaction time and judgment may be impaired.

SECURITY

Always ensure that the machine is stable and cannot tip, roll, slip or fall during operation.

Keep hands, feet, loose clothing and body jewelry away from moving or rotating machine parts. Long hair must not be worn loose (wear a hair net).

⚠ WARNING**Risk of serious injury from being pulled in or crushed!**

Take breaks from work in good time. Vibrations or repeated work processes can cause damage to hands or arms.

⚠ WARNING

If people with circulatory problems are exposed to vibrations too often, damage to blood vessels or the nervous system can occur. The following symptoms can occur due to vibrations in the fingers, hands or wrists: numbness of body parts, tickling, pain, stinging, change in skin color or skin. If these symptoms are noticed, consult a doctor.

However, suitable gloves and regular breaks can extend the duration of use. However, please note that personal predisposition to poor circulation and/or high gripping forces when working will reduce the duration of use.

Keep other people, especially children, away from the work area. Before starting the machine, make sure that all people are at a safe distance (at least 5 meters) from the machine.

⚠ WARNING**Risk of injury from moving machinery or thrown materials.**

Do not operate the machine in damp or wet conditions or expose it to rain.

Do not use the machine in easily flammable vegetation or where there is a risk of fire or explosion. If it is dry, have a fire extinguisher ready (risk of fire!).

Stop the engine and close the fuel tap (if equipped) when the machine is not in use.

Park the machine so that it cannot tip over, fall or slip.

Guide the machine in such a way that you protect yourself from being crushed between the machine and the obstacle.

Operate the machine on the edges of pits, dumps and embankments, on garage edges and on ledges in such a way that there is no risk of falling or tipping over.

When working with the machine, pay particular attention to the following points:

- Electrical cables or pipes in the work area.

– Gas, water or communication lines in the work area. Do not transport the machine while it is running.

Store the machine properly when not in use. After use, store the cooled machine in a locked, clean, frost-free and dry place that is inaccessible to children.

5.3 SAFE HANDLING OF OPERATING MATERIALS / REFUELLING

WARNING

Combustion engines pose a particular danger during operation and when refueling. Always observe the warnings and the additional safety instructions provided in this manual. Failure to observe these instructions may result in serious or even fatal injuries.

DANGER

Do not refuel, start or run the engine indoors, in a garage or in a closed space. The engine's exhaust fumes contain poisonous carbon monoxide. Being in an environment containing carbon monoxide can lead to unconsciousness and death.

Before refueling, switch off the engine and let it cool down.

Smoking and any open fire are not permitted.



Fuels may contain solvent-like substances. Avoid skin and eye contact with mineral oil products. **Wear gloves when refueling.**

Do not spill fuel or oil. If fuel or oil is spilled, clean the machine immediately. Do not allow fuel to come into contact with clothing. If fuel gets on clothing, change clothing immediately.



Make sure that no fuel or oil gets into the ground (environmental protection!). Use suitable support.

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

Check the fuel lines, tank cap and tank for leaks or cracks. The machine must not be operated if there is such damage.

Close the tank cap properly after refueling.

To start the machine, change location (at least 3 meters away from the refueling area).

SECURITY

Fuels cannot be stored indefinitely. Only buy as much as you plan to use in a few months.
Do not use old fuel!

Transport and store fuel and oil only in approved and marked canisters.

Do not transport or store fuel and oil near flammable or easily combustible materials, sparks or open flames.

Never operate a machine with a damaged ignition cable and spark plug cap. **Danger of sparking!**

Keep fuel and oil out of the reach of children.

5.4 SERVICE SECURITY

WARNING

Improper maintenance or failure to observe or rectify a problem can become a source of danger during operation. Only operate machines that have been regularly and correctly maintained. This is the only way you can be sure that you will operate your machine safely, economically and without problems. And for a long time to come.

Do not perform maintenance, cleaning or adjustments while the machine is running.
Rotating parts can cause serious injury.

On machines with a petrol engine, pull the spark plug connector and unscrew the spark plug before carrying out maintenance, cleaning or repair work to prevent accidental starting.

Do not run the machine without an air filter.

The machine must be operated with minimal noise and emissions. Only run the engine under the conditions specified in the "Technical Data".

The stickers on the machine warn of dangers. Always keep the machine clean and replace damaged stickers if necessary.

Do not use fuels or other flammable solvents to clean machine parts. **Danger of explosion!**

Do not use a high-pressure cleaner to clean the machine. Water penetrating the machine may damage it.

Keep moisture away from live parts. This can lead to a short circuit.

Always keep the machine clean and clean it after every use. Always keep the machine's controls dry and free of resin, oil and grease. Controls such as on/off switches, throttle grips, etc. must not be improperly locked, manipulated or modified. **Never tilt the machine for cleaning!**

Do not stack paper, cardboard or similar materials near the motor housing. The hot housing could cause a fire.



The disposal laws and regulations for operating materials and operating materials with contaminated parts must be observed. To protect the environment, dispose of the operating materials as hazardous waste, even if only small quantities are involved.

Clean the engine cooling fins of any dirt.

Check the tank cap regularly for leaks.

After cleaning, maintenance and repair work, refit guards and protective plates to the machine.

Always check that all tools are removed before switching on.

Maintenance and repair work may only be carried out as described in this manual. All other work must be carried out by a specialist workshop or LUMAG service workshop.

Work on the electrical system may only be carried out by qualified electricians.

Only use original spare parts and accessories. The use of other spare parts and accessories increases the risk of accidents. We accept no liability for any resulting damage.

5.5 RESIDUAL RISKS AND PROTECTIVE MEASURES

Mechanical residual hazards **Squeeze**

Careless handling of the vibrating plate can lead to serious injuries.

→ Be particularly careful on uneven terrain and when compacting coarse material. Make sure you have a secure footing.

impact

On compacted, hard or unyielding ground, the handle may recoil strongly.

→ Avoid working on compacted, hard or unyielding ground with the machine. Hold the operating handle firmly and wear protective clothing.

*neglect of ergonomic principles***Negligent use of personal protective equipment (PPE)**

Careless use or omission of personal protective equipment can result in serious injury.

→ Wear prescribed protective equipment.

Human behavior, misconduct

→ Always be fully concentrated 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.

*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 fumes from the machine can cause health damage.

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

fire, explosion

Fuel is flammable.

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

*Danger from vibration***whole-body vibration**

Prolonged work with the vibrating plate can lead to physical impairments due to vibrations.

→ Take regular breaks.

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.

5.6 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
- who reports!

5.7 EXPLANATION OF SYMBOLS

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



Danger of carbon monoxide poisoning!

Do not start or run the engine in enclosed spaces, even if the doors and windows are open.



Gasoline and oil are extremely flammable and explosive!

Before refueling, turn off the engine and let it cool down. Keep the engine away from heat, sparks and flames. Do not smoke near the machine!



Use unleaded fuel RON 95. Caution!

Use only clean fuel.



Check engine oil!

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

SECURITY



Warning! Special care and attention. The machine can cause serious injuries!



Read and follow the operating instructions and safety instructions before commissioning. Otherwise, the risk of injury to the operator and other persons increases.



Wear eye and hearing protection. Helmets are mandatory to protect against flying debris.



Wear protective gloves.



Wear safety shoes with a non-slip sole and steel toe cap.



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.

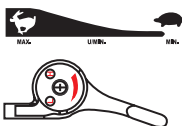


Keep bystanders away.



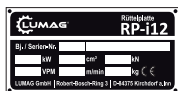
Caution!

Lifting point - For lifting the machine with a crane or other lifting device



throttle lever on the engine or machine

L or turtle means SLOW or IDLE H or rabbit means FULL THROTTLE or FAST



nameplate

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



Guaranteed sound power level LWA

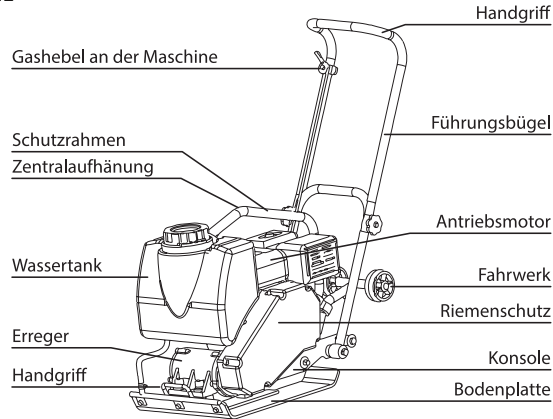


Motor devices are recyclable materials and therefore do not belong in household waste! Please dispose of the components in an environmentally friendly manner
Please contact your local waste disposal authority to find out about options for environmentally friendly and proper disposal.

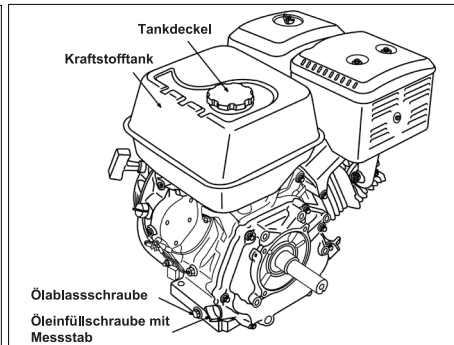
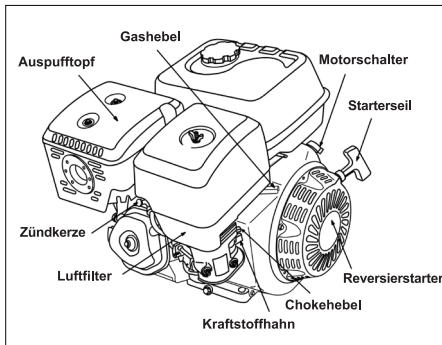
PART NAME

6. PART NAME

vibrating plate RP-i12



LONCIN G200F gasoline engine

**function**

The motor drives the exciter via a drive belt. The exciter is firmly mounted on the base plate and causes it to vibrate. The vibrating base plate carries out both the compaction work and the driving movement.

equipment

The machine is equipped with a rubber mat, a water sprinkler system and a chassis to facilitate transport.

service

A reversing starter is used as the starting device. The machine is steered using a hand guide bar. The engine speed is controlled on the guide bar.

7. MACHINE TRANSPORT

WARNING

Before transporting the machine or storing it indoors, allow the engine to cool down to avoid burns and to eliminate the risk of fire. Furthermore, make sure that people are not endangered by the machine tipping over or slipping or by machine parts flying up or down.

- Always switch off the engine and allow it to cool down during transport!
- Close the fuel tap, ie set it to OFF and level the machine to avoid fuel or oil leakage.
- When transporting over long distances, the fuel tank must be completely emptied.
- To transport the machine, only use suitable lifting equipment with a minimum load capacity of 120 kg.
- Secure the machine on the transport vehicle against rolling, slipping or tipping over and also lash it to the protective frame.

A NOTICE

To load and transport compaction equipment with lifting devices, suitable lifting gear must be attached to the designated attachment points. Loading ramps must be load-bearing and stable.

7.1 MECHANICAL LIFTING

- Before lifting, make sure that the lifting device is capable of safely supporting the weight of the machine (see "Technical data").
- Attach a suitable lifting hook to the suspension and lift carefully to avoid injury.



Never lift the machine by the handlebar. The machine could tip over!

Do not step under suspended loads.

7.2 MOVING THE MACHINE ON THE GROUND

The chassis makes handling easier.

1. Lock the guide bracket with locking screws.
2. Pull the chassis out of the holder and push it forwards on the handle (L) with both hands. This will lift the machine backwards slightly. With the help of a second person, fold the chassis under the vibrating plate.
3. When setting down the machine, proceed in reverse order.

STORAGE

DANGER!

Only use the chassis on level and solid surfaces and for short distances.

8. STORAGE**⚠ DANGER**

Do not store the machine with fuel in an unventilated area where fuel vapors can come into contact with flames, sparks, pilot lights, or other sources of ignition.

If the machine is not to be used for more than 30 days, the following storage steps should be taken.

1. Completely drain the fuel tank. Fuel containing ethanol or MTBE can go stale during a 30-day storage period. Old fuel has a high gum content and can clog the carburetor and restrict fuel flow.
2. Start the engine and let it run until it stops. This will ensure that no fuel remains in the carburetor. This will prevent gum buildup in the carburetor and possible engine damage.
3. While the engine is still warm, drain the oil from the engine. Add fresh engine oil in the **engine manual** recommended grade, refill.
4. Clean the outside of the machine with a clean cloth and keep the ventilation slots free of dirt. Apply a thin film of grease or oil to bare parts.
5. Inspect the machine for loose or damaged parts. Repair or replace any damaged parts and tighten any loose bolts or lock nuts.
6. Store the machine upright in a clean, dry, well-ventilated area.

A NOTICE

Do not use aggressive or petroleum-based cleaning agents to clean plastic parts. Such chemicals can damage plastic parts.

9. BEFORE FIRST USE

A NOTICE

The machine's engine is not supplied with petrol and engine oil. Fill the machine as described under "FUELLING".

10. REFUELLING

⚠ WARNING

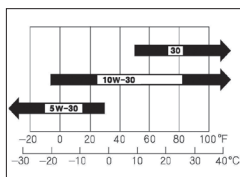
You may only carry out the work described in this chapter after you have read and understood the safety instructions. It concerns your personal safety!

10.1 ENGINE OIL

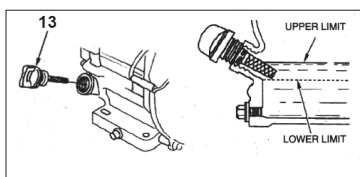
DANGER!

The engine oil has been drained for shipping. Failure to refill the oil pan with oil before starting the engine will result in permanent damage and void the engine warranty.

1. Use commercially available engine oil with the specification 10W-30 or 10W-40.
2. Unscrew the oil filler screw (13) 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: 0.6 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.

FUEL

Check engine oil level

Only check the oil level on level ground with the engine switched off.

1. Unscrew the oil filler screw on the engine.
2. Wipe oil off the dipstick.
3. Insert the oil filler plug back into the opening, but do not screw it tight.
4. Remove the oil filler plug 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.

10.2 GASOLINE

⚠ DANGER**Health and explosion hazards from combustion engines**

The engine exhaust contains poisonous carbon monoxide. Being 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!

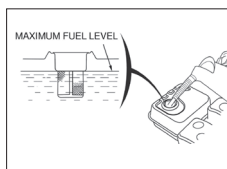


Petrol is extremely flammable and explosive. Before refueling, turn off the engine and let it cool down.



Danger of engine damage due to incorrect petrol. Only use petrol with an RON of 95 or higher. Never fill the machine with 2-stroke mixture, diesel or unapproved 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: 3.6 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

Gasoline is extremely flammable and explosive. You can 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 gasoline 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.

petrol

- Fuels can only be stored for a limited time; they age. Excessively stored fuels or fuel mixtures 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.**

refueling 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.

11. COMMISSIONING

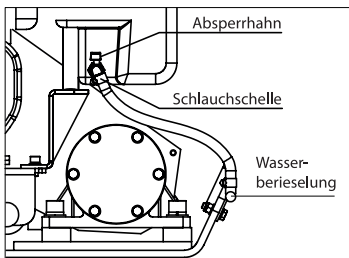
11.1 PREPARATION FOR USE

Before starting the activity and after 4 hours of use:

- Check oil level and fuel, top up if necessary.
- Check the condition of the air filter, the fuel lines and connections for leaks and mechanical damage, and the fuel tank for cracks and leaks.
- Check that the external screw connections are tight - pay particular attention to the protective cover of the drive belt, motor and vibrator. Loose screws can damage the machine.
- Check the belt tension. The normal vibration should be 10 - 15mm when the belts are pressed in with force halfway between the two pulleys. If the belts have too much play, the impact may be insufficient or the vibration may be uncontrolled and thus cause damage to the machine.
- Check the exciter oil level and top up with SAE 80W-90 transmission oil if necessary.
- Install the rubber mat for vibrating paving stones.
- Check the water supply and refill with clean water if necessary.

Connect water sprinkler

- Attach the hose to the shut-off valve and secure it with the hose clamp.
- By opening the stopcock, the water flows through the water sprinkler in front of the base plate of the machine.



A NOTICE

Only fill the water tank with clean water to avoid blockages in the water sprinkler. If there is a risk of frost, empty the water tank completely.

⚠ 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.








11.2 DRIVE MOTOR

The engine is operated by an ignition switch (ON/OFF switch) located below the fuel tank. The engine speed is controlled by an automatically controlled throttle lever located on the handlebar.

DANGER!

The engine is equipped with an oil warning device that switches the engine off or prevents it from starting if the oil level falls below a safe level.

11.3 STARTING THE ENGINE (Fig. 1-6)

1. Fuel tap (5)  Slide to the right to open.
2. When cold, move the choke lever (4) to the left to CLOSE 
When warm, set the choke lever (4) to the right to OPEN (operating position).
3. Move the throttle lever (9) from the idle position 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
Pull out gently and quickly and let it run back slowly. Repeat as often as necessary until the engine starts.
6. When the choke lever (4) is set to CLOSE to start the engine 
set, now gradually reset it while the engine is warming up on OPEN.
To operate, open the throttle lever (8) fully and slowly adjust it  or on the towards the desired engine speed.

COMMISSIONING

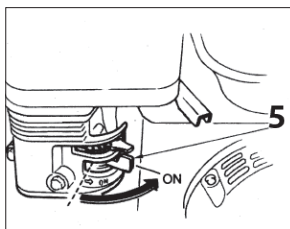


Fig. 1

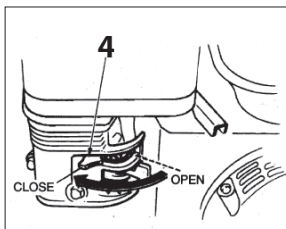


Fig. 2

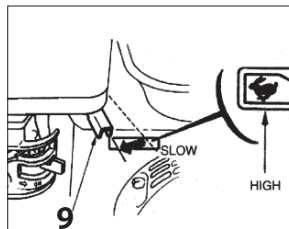


Fig. 32

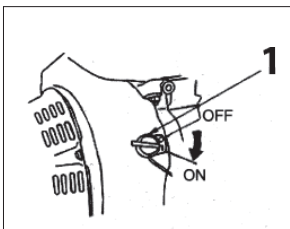


Fig. 4

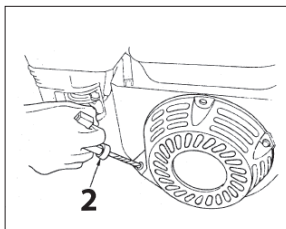


Fig. 5

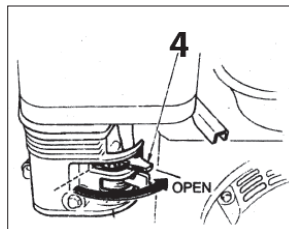



Fig. 6

11.4 STOPPING THE ENGINE (Fig. 1-3)

1. Set the throttle lever (9) to the idle position SLOW

 slide to the right.

Let the engine idle for a minute or two.

2. Set the engine switch (1) to OFF



3. Then close the fuel tap (5) by turning it to the left to OFF.



push.

4. Remove spark plug connector (9) = **Protection against unauthorized use!**

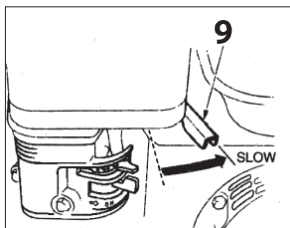


Fig. 1

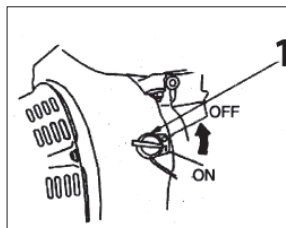


Fig. 2

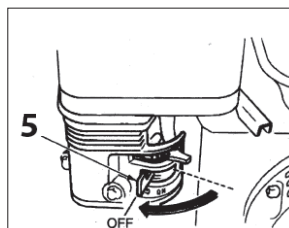


Fig. 3

A NOTICE

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

11.5 OPERATION

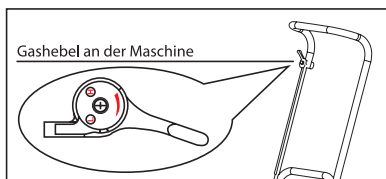
The vibrating plate is equipped with a centrifugal clutch, so that the transmission is not driven at idle speed. As the speed increases, the clutch engages and the transmission begins to rotate. For proper functioning, the engine must be set to maximum speed.

A NOTICE

Do not use the plate compactor on concrete or hard or tightly compacted ground surfaces. In such cases, the machine will begin to thump instead of vibrate, causing damage to the plate and the motor.

compaction

1. Once the engine has warmed up, move the throttle lever to the full throttle position (H) to increase the motor speed. The plate begins to vibrate. **ATTENTION! Compression is only permitted at full load speed, as increased wear occurs in the slip range of the centrifugal clutch.**



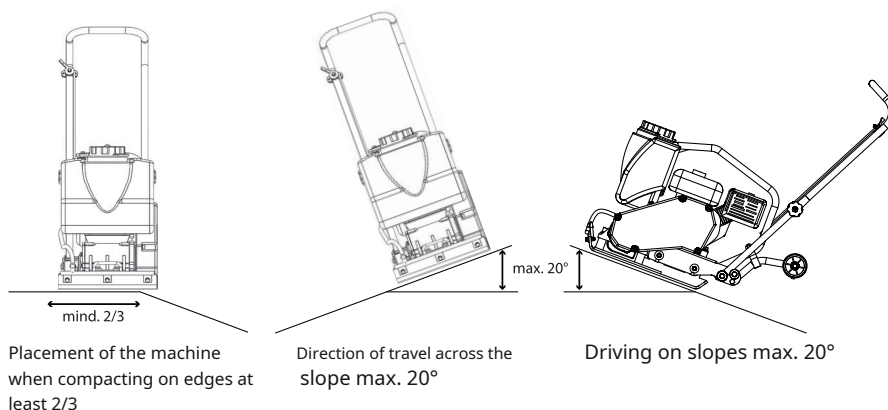
2. The machine is designed to operate at an engine speed of 2,300 - 2,600 rpm. Operating the plate compactor at a lower speed will affect both compaction force and speed. It will result in excessive vibration that is out of sync. This will result in poor compaction, maneuverability, excessive wear on the machine and operator discomfort.
3. When working, steer the machine using the handlebar, but let the machine do the work. Leaning on the handlebar is unnecessary and causes shock absorber wear.
4. On level surfaces the machine moves forward quite quickly. On uneven surfaces or slopes a slight forward pressure on the handlebar is required to move the machine forward.

COMMISSIONING

5. The work area must first be cleared of obstacles and trip hazards must be eliminated. Extreme caution must be exercised near obstacles (walls, fences, etc.) or on uneven terrain, in narrow pits and when compacting coarse material to avoid becoming trapped and losing control of the machine. **Make sure you stand safely!**

■ Use the machine in such a way that hand injuries caused by solid objects are avoided.

6. When working on slopes, push the machine forward slightly. When working on inclined surfaces, reduce the speed by holding the machine back.
7. When working on edges, the base plate should rest on a surface with full load-bearing capacity for at least 2/3 of its width.

**DANGER!**

Only approach slopes from below. A slope that can be easily mastered uphill can also be safely driven downhill. The operator must never stand in the direction of fall. Never work partially or completely at an angle to the slope.

A NOTICE

A maximum inclination of 20° must not be exceeded. Exceeding this inclination would result in a failure of the engine lubrication and thus inevitably a defect in important engine components.

11.6 RECOMMENDATION FOR COMPACTION

The number of passes necessary to achieve a desired compaction depends on the type and moisture of the soil. Maximum soil compaction has been achieved when excessive setback is noticeable.

- When using a compaction machine on asphalt, a "water tank" is required. The water prevents the base plate from sticking to the hot asphalt.
- If you use the vibrating plate on paving stones, install the rubber mat. This prevents the paving stones from bouncing and being ground down. A rubber mat specially designed for this purpose is available as an option.
- While a certain amount of moisture in the soil is necessary, excessive moisture will cause the soil to become sticky and prevent good compaction. If the soil is very wet, allow it to dry slightly before compacting.
- If the soil is so dry that the machine kicks up dust when compacting, you should add some moisture to the soil. This improves compaction. This also means less service is required on the air filter.

shaking with rubber mat

By placing a rubber mat under the vibrating plate, you can prevent damage to slabs and natural stones during vibrating. When compacting loose, grainy soils, gravel and sand, the rubber mat must be removed.

Compacting without a rubber mat

If the vibrating plate is operated without a rubber mat, the screw set must be screwed into the threads provided on the base plate to prevent damage to the threads.

idle speed

If you are not compacting, move the throttle to the SLOW position (L) 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.

12. 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 operating manual may only be carried out by a qualified specialist workshop.

Maintain the machine regularly. Only carry out maintenance work and repairs that are described in the operating instructions. Have all other work carried out by an authorized specialist workshop.



Maintenance work may only be carried out when the drive is stopped. This may only be deviated from if the work cannot be carried out without the drive. The machine must also be secured against slipping.



Before working on unprotected parts, secure the engine against accidental starting. Remove the spark plug connector and unscrew the spark plug using a suitable wrench.



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



Drained operating materials must be collected and stored in suitable containers. They must be disposed of in accordance with the applicable environmental protection regulations.




After maintenance work, protective devices must be properly reinstalled.

changes and modifications

Unauthorized changes or modifications to the machine are not permitted for safety reasons. The manufacturer accepts no liability for damage caused by changes or modifications to the machine. To ensure safe and reliable operation, only original LUMAG spare parts may be used.

The maintenance work for the engine is listed in the enclosed operating instructions.

12.1 MAINTENANCE

1. Turn off the engine and let it cool down. The throttle lever is in the SLOW position.
 , 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. Make sure that the machine is in a safe operating condition, especially check the fuel system and the tank cap for leaks.
6. After each use, any dirt or stones that have accumulated on the machine or base plate 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.
7. Use only genuine parts. Other parts may cause unforeseeable damage and injury.
8. After repair and maintenance work, properly reattach and check the protective devices on the machine.



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.

MAINTENANCE

maintenance plan

Please carry out and adhere to these maintenance tasks regularly to avoid damage and to ensure that the safety devices function properly.

Failure to observe this may result in accidents!

Task		Daily <small>before Operation</small>	After the first 20 hours	All 2 weeks or 50 hours	Every month or every 100 Hours	Each year or every 300 Hours
Check fuel tank: - fill level - tightness - lines - tank cap		X				
air filter element	check/	X				
	clean			X ₁		
	exchange					X
Check that the external fastening screws are tight		X				
Check external fasteners: - throttle control lever - engine linkage - V-belt cover - central suspension - exciter/plate connection		X				
engine oil	Check fill level	X				
	change		X ₂		X	
V-belt	check/ set			X		
	change				X	
heel cup clean					X	
spark plug	check/clean				X	
	exchange					X
pathogen oil	check			X		
	change					X

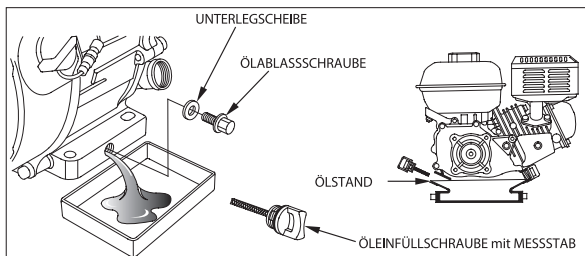
¹When used in dusty environments, service more frequently

²After initial commissioning

12.2 CHANGING THE ENGINE OIL

Park the machine on a level surface. The engine should be warm so that the oil can drain optimally. Cold oil will only become viscous and may not drain completely.

1. Make sure the fuel tank cap is securely tightened.
2. Remove any dirt from the area around the oil filler plug and the oil drain plug.
3. Place a sufficiently large container under the oil drain plug to collect the used oil.
4. Remove the oil filler plug and oil drain plug.
5. To drain the oil, tilt the engine towards the oil drain plug.
6. Replace the oil drain plug and tighten it.
7. Fill in recommended engine oil with the engine in a horizontal position and check the oil level, see "Filling up". For the oil quantity and type, see "Technical data".
8. Reinsert the oil filler plug and tighten it firmly.
9. Wipe up any spilled oil completely.
10. Wash hands with soap and water after handling used oil.



oil change



DANGER!

Used engine oil must be disposed of in an environmentally friendly manner. We recommend that you hand over used oil in a closed container to a recycling center or a collection point for used oil. Do not pour used oil into the garbage can, into the sewer system, down a drain or onto the ground.

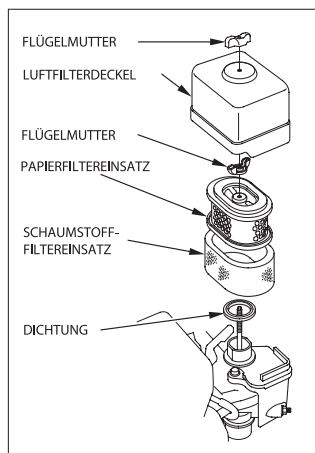
MAINTENANCE

12.3 AIR FILTER

The air filter is equipped with two air filter inserts. Frequent cleaning of the air filter prevents carburetor malfunctions.

Clean the air filter and change the air filter inserts

1. Unscrew the wing nut, remove the air filter cover and check for holes or cracks.
Replace any damaged element.
2. Wipe dirt from the inside of the filter housing with a clean, damp cloth.
3. Unscrew the inner wing nut and remove the air filter elements.
4. Carefully remove the foam filter insert from the paper filter insert. Check both parts for damage. Replace any damaged inserts.
5. Clean the foam filter insert in warm water and a mild soap solution. Rinse thoroughly with clean water and allow to dry well.
6. Tap the paper filter element on a hard surface to remove dirt. Never brush off dirt as this will force it into the fibers.
7. Place the foam filter insert onto the paper filter insert and reinstall the air filter element with the seal.



air filter

⚠ WARNING

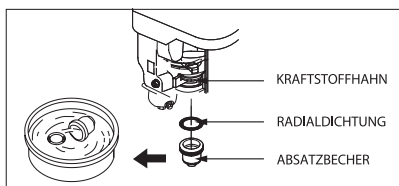
NEVER use gasoline or low flash point cleaning solvents to clean the air cleaner element. A fire or explosion could result.

A NOTICE

Never run the engine without an air filter element or with a damaged one. 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.

12.4 CLEANING THE SETTLEMENT CUP

1. Turn off the fuel tap.
2. Unscrew the heel cup and radial sealing ring and clean thoroughly in non-flammable solvent and allow to dry.
3. Screw both parts back on.
4. Open the fuel tap and check for leaks.



heel cup

12.5 SPARK PLUG

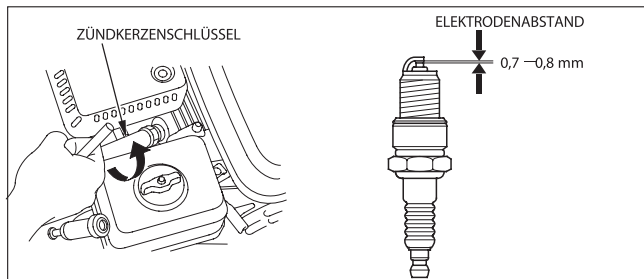
⚠ WARNING

The exhaust becomes very hot during operation and remains hot for some time after the engine is turned off. NEVER touch the hot engine.

Clean or replace spark plug as necessary. See engine manual.

Check, clean and replace spark plug

1. Disconnect the spark plug connector and remove any dirt in the spark plug area.
2. Unscrew the spark plug with the spark plug wrench and check it.
3. Check the insulator. If there is any damage such as cracks or splinters, replace the spark plug.
4. Clean the spark plug electrodes with a wire brush.
5. Check and adjust the electrode gap. For gap, see "Technical Data".
6. Screw in the spark plug and tighten it with the spark plug wrench.
7. Place the spark plug connector onto the spark plug.



spark plug

MAINTENANCE

A NOTICE

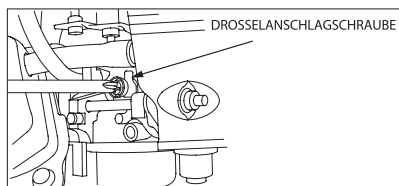
A loose spark plug can overheat and damage the engine. And over-tightening the spark plug can damage the threads in the cylinder head.

12.6 ENGINE SPEED ADJUSTMENT

A NOTICE

Operating the disk at a higher speed than recommended in the "Technical Data" may cause disk and motor damage.

1. Place the machine on a rubber mat to prevent it from moving.
2. Move the throttle lever to the right to "SLOW" in the idle position.
3. Start the engine and let it warm up for one minute.
4. Screw in the throttle stop screw to increase the speed.
5. Unscrew the throttle stop screw to reduce the speed.



throttle stop screw

12.7 DRIVE BELT

On new machines or after installing a new belt, the belt tension must be checked after the first 5 hours of operation. Thereafter, check the belt every 50 hours and tighten if necessary.

Adjusting the drive belt

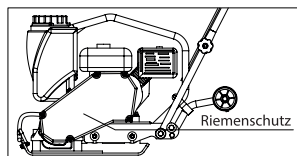
1. Loosen the screws on the belt guard and remove the belt guard from the side.
2. Check belt tension.
3. Re-tighten the drive belt if the belt gives way more than 10-15 mm (thumb pressure).
4. Loosen the 4 screws that secure the motor to the console. **For tensioning** of the drive belt, push the motor backwards towards the guide bar.

To loosen up of the drive belt to push the motor forward.

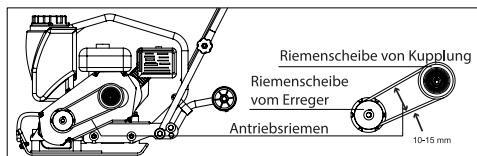
DANGER!

Make sure the clutch and exciter pulleys are aligned. Place a straight edge on the exciter pulley and move the motor until both pulleys are parallel.

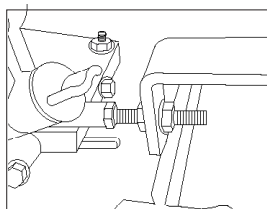
5. Tighten all 4 engine screws again.
6. Replace the belt guard and screw it back on.



drive belt


A NOTICE

The drive belt tensioning screw can also be used to finely adjust the drive belt. Finely tighten the drive belt by turning the tensioning screw. To do this, loosen the lock nut 1 - 2 turns and tighten the hexagon nut as required.



drive belt tensioning screw

Changing the drive belt

1. Loosen the screws on the belt guard and remove the belt guard from the side.
2. Slowly turn the pulley from the exciter and remove the belt.

ATTENTION! The pulleys of the exciter and clutch are adjusted at the factory; do not remove either part when changing the belt.

3. Install the new belt.
4. Adjust the belt tension and align the clutch and exciter pulleys.
5. Tighten all 4 engine screws again.
6. Replace the belt guard and screw it back on.

MAINTENANCE

12.8 LUBRICATION OF THE EXCITER

The bearings in the exciter assembly rotate at high speed. It is important to maintain the correct oil level in the exciter and to change the oil regularly.

Check the oil level in the exciter every 50 operating hours (BTS).

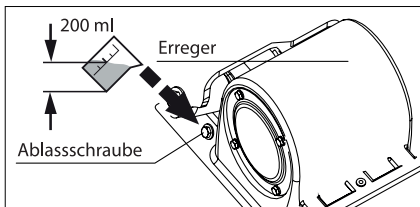
Check oil level

1. To check the oil level, place the plate horizontally.
2. Remove any dirt around the drain plug.
3. Remove drain plug and sealing ring.
4. The oil should reach the threads of the drain plug.
5. Top up with SAE 80W-90 gear oil as required. (Use a funnel)
6. Replace the drain plug with the sealing ring and screw it back in.

Change the excitation oil every 300 operating hours (BTS).

draining the oil

1. Remove the drain plug on the exciter and tilt the plate.
2. To protect the environment, drain the oil into a suitable container.
3. Place the plate horizontally again.
4. Add approx. 200 ml of SAE 80W-90 gear oil through the drain opening until the oil level reaches the thread of the drain plug.
5. Replace the drain plug and screw it back in.



changing the exciter oil

A NOTICE

DO NOT overfill. Too much oil in the exciter can reduce performance and damage the drive belt.

**DANGER**

To protect the environment, place a plastic sheet and a container under the machine to collect the oil that flows out. When disposing of used oil, please observe the relevant environmental protection regulations. Do not throw used oil in the trash, or pour it into the sewer system, a drain or into the countryside.

12.9 CLEANING THE PLATE

After each use, dirt and stones that have accumulated under the engine console must be removed.

To avoid overheating of the engine, the cylinder cooling fins must be kept clean in dusty areas.

When cleaning, never direct water at the bearings or the motor.

TROUBLESHOOTING

13. TROUBLESHOOTING

⚠ DANGER

During all work on the machine



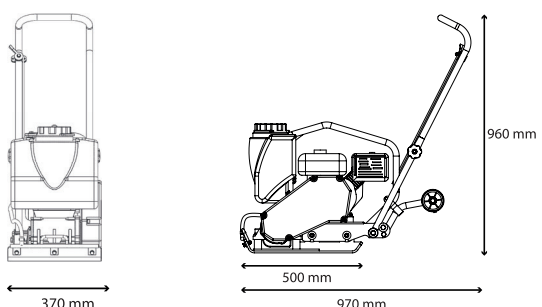
- Turn off the engine
- Wait for the machine to stop
- Disconnect the spark plug connector and unscrew the spark plug
- Wear gloves to avoid injuries

ATTENTION! After rectifying any fault, restart and check all safety devices.

Disturbance	Caused	remedy
Pre-feed speed is too low. The disk does not reach maximum speed.	Gas regulation incorrectly installed.	Install gas regulation correctly.
	Ground is too wet, the plate gets stuck.	Allow drying time.
	Drive belt too loose, slips on pulleys.	Adjust or replace drive belt. Check engine bolts for tightness.
	Air filter clogged.	Clean or replace.
No shaking function.	Damage to the exciter or plate.	Contact your dealer.
Oil loss from the engine.	Worn seals, radial sealing rings.	Contact your dealer.
Record runs erratically or bounces.	Ground surface is too hard.	A condensation of the ground surface is not possible.
	Shock absorber too loose or damaged.	Contact your dealer.
Engine cannot be started.	No fuel in the tank.	refueling.
	Fuel tap closed.	Open the fuel tap.
	Air filter dirty.	Clean the air filter.
	Engine switch is OFF."	Turn the engine switch to "ON".
	Recoil starter defective.	Repair recoil starter.
	No engine oil.	Refill engine oil.

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

14. TECHNICAL DATA

Model		RP-i12
drive motor		LONCIN G200F 1-cylinder 4-stroke OHV petrol engine
starting system		recoil starter
rated power	kW	4.1
engine speed	1/min	3600
displacement	cm ³	196
fuel		Unleaded regular gasoline RON95
fuel tank capacity	l	3.6
engine oil		SAE 10W-30 or 10W-40
engine oil content	l	~ 0.6
spark plug		F7TC or other equivalent spark plug
electrode gap	mm	0.7-0.8
plate size (L x W)	mm	500 x 370
water tank	l	10
frequency	Hz	70
centrifugal force	kN	10.5
compaction depth	cm	about 20
Max. feed	m/min	20
vibration shocks/min	VPM	5600
Max. permissible inclination of the engine	degree	20°
power transmission		From drive motor to Automatic centrifugal clutch and V-belt directly on the exciter
operating weight	kg	approx. 73.7
Guaranteed sound power level LWA	dB(A)	108
<div>  <p>Dimensions</p> <p>370 mm</p> <p>500 mm</p> <p>970 mm</p> <p>960 mm</p> </div>		

15. WARRANTY / GUARANTEE / CUSTOMER SERVICE

WARRANTY

The statutory warranty period applies to the device. 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, no warranty is provided for damage caused by inappropriate or improper use of the machine, such as improper modifications or repair work carried out by the owner or third parties, or 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 impeccable 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 for commercial or professional use or rental, from the date of delivery.

The buyer must always prove warranty claims by providing 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 carton with the SERVICE NUMBER to ensure quick identification. Warranty work is only carried out 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, and cleaning, maintenance and adjustment work are generally not covered by the guarantee (e.g. cutting device, air and fuel filters, spark plugs and recoil starters, drive belts, 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 time:	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 (0)8571 / 92 556-0
Fax:	+ 49 (0)8571 / 92 556-19
E-mail:	info@lumag-maschinen.de

16. 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

the company explains:

LUMAG GmbH

Robert-Bosch-Ring 3

D-84375 Kirchdorf am Inn

Telephone: 0049 / (0)8571 / 92 556-0

Fax: 0049 / (0)8571 / 92 556-19

that the product

Device type: vibrating plate (compaction machine)

Device type: RP-i12

meets the essential protection requirements of the above-mentioned EC directives. Authorized representative for the compilation of the technical documentation: Gabriele Denk

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, January 3, 2017

Christopher Weißenhörner, Managing Director

Place, date

distributor, authorized representative

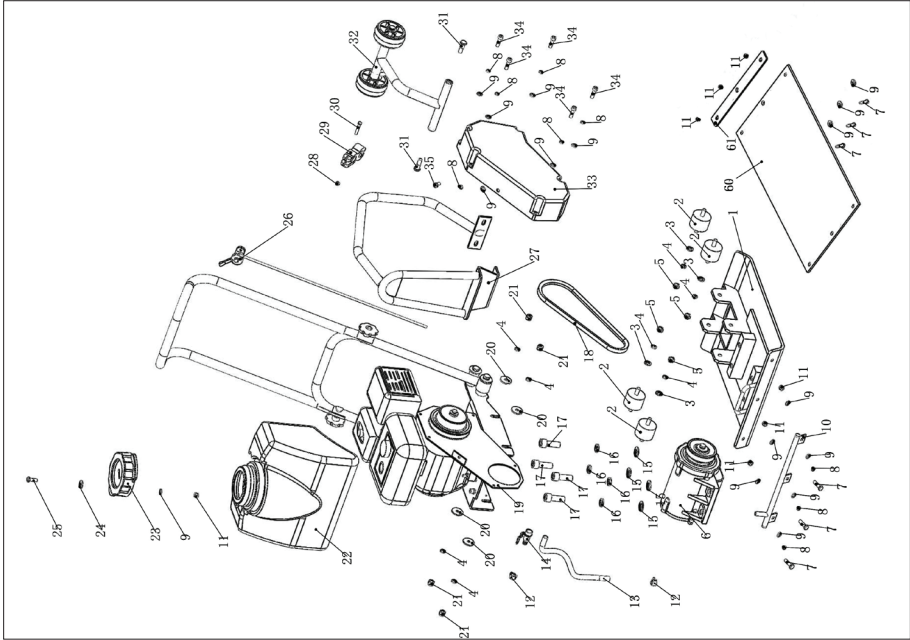
A handwritten signature in black ink, appearing to read "H. J. ...", is written over the signature line.

Signature

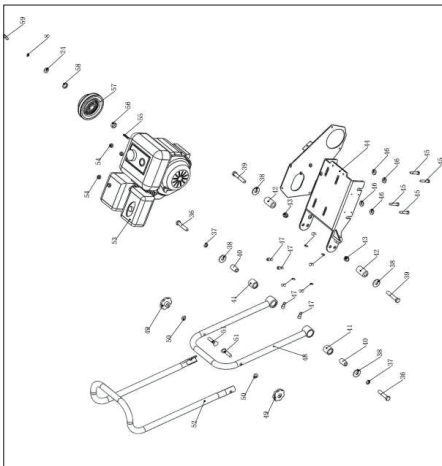
COMPONENTS OF THE MACHINE

17. COMPONENTS OF THE MACHINE

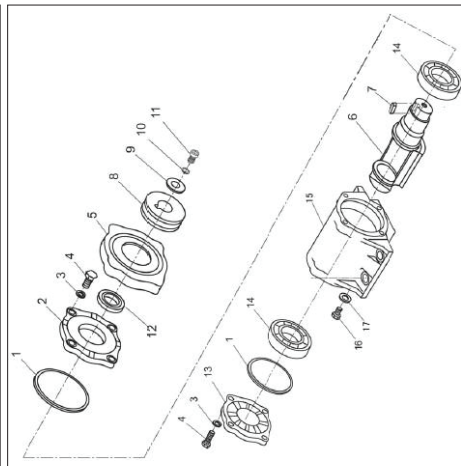
vibrating plate



vibrating plate



pathogens





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Status: 01/2017 - RPi12v1