

# GARDENLINE®

## *Petrol Multi Garden Tool* *Instruction manual*



**AFTER SALES SUPPORT**

**TEL: 1300 855 831**

**WEB: [www.scheppach.com.au](http://www.scheppach.com.au)**

**MFH3300-4P**



MADE IN CHINA

# Petrol Multi Garden Tool 1

## What your 1 year warranty means

Great care has gone into the manufacture of this product and it should therefore provide you with years of good service when used properly. In the event of product failure within its intended use over the course of the first 1 years after the date of purchase, we will remedy the problem as quickly as possible once it has been brought to our attention. In the unlikely event of such an occurrence, or if you require any information about the product please contact us via our after sales support services, details of which can be found in this manual and on the product itself.

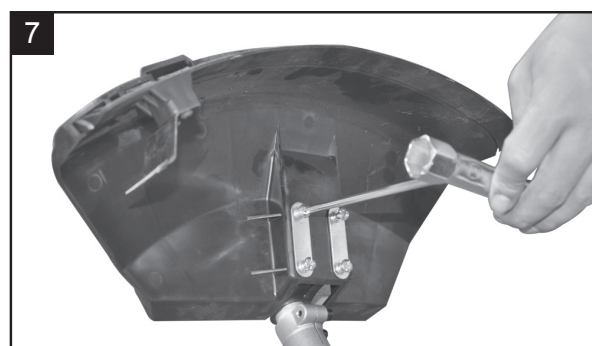
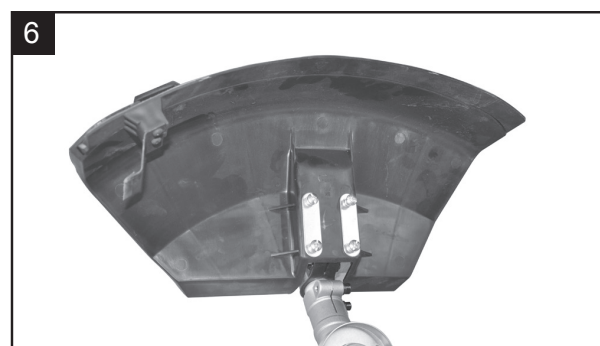
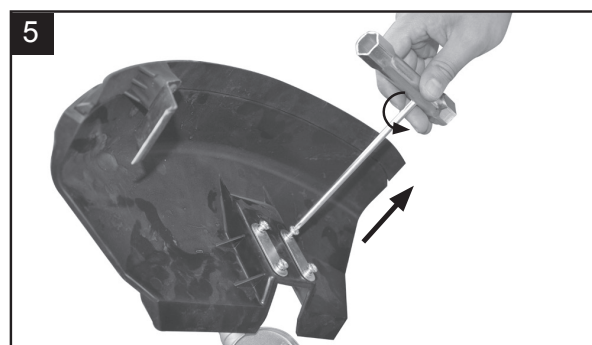
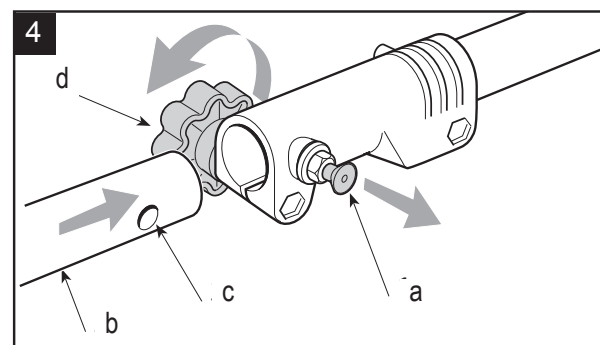
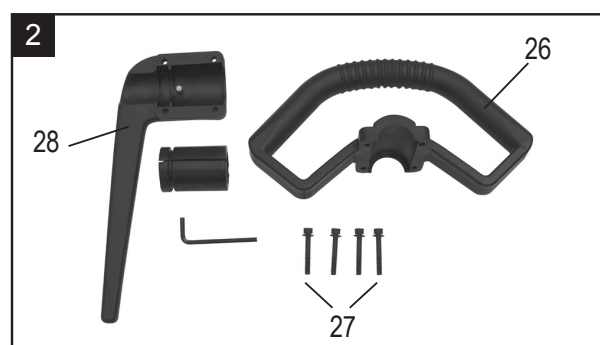
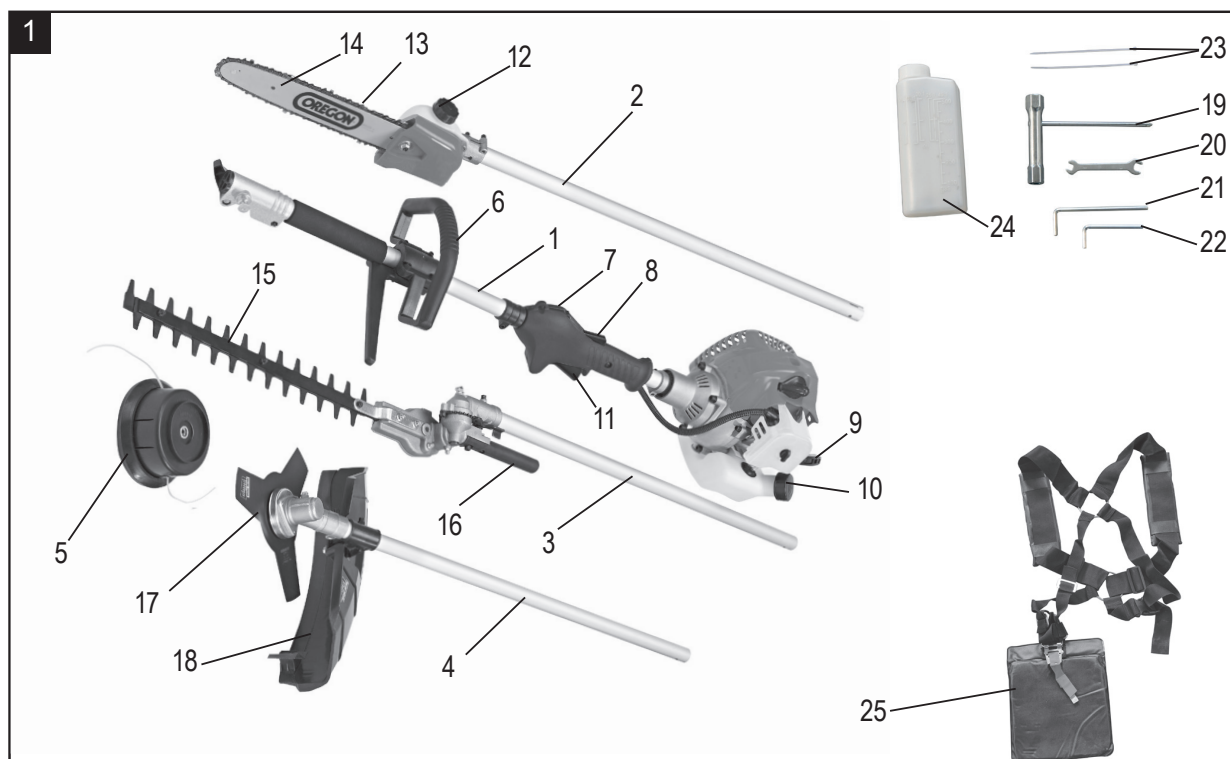
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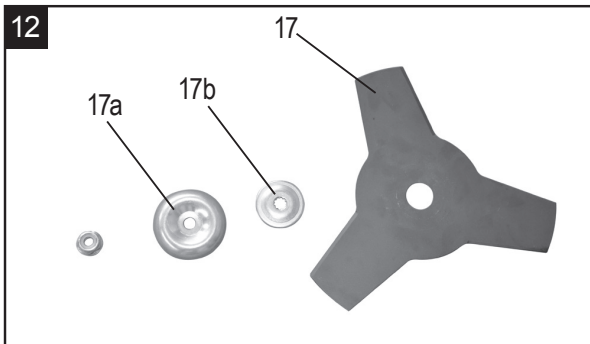
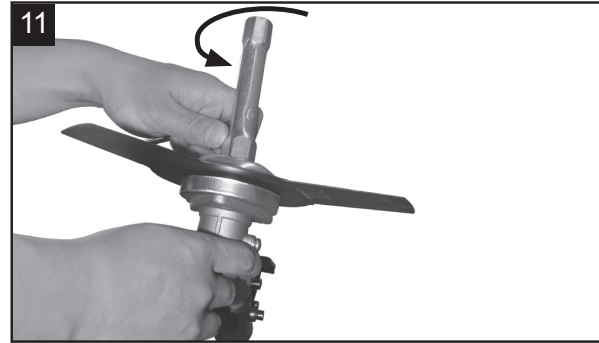
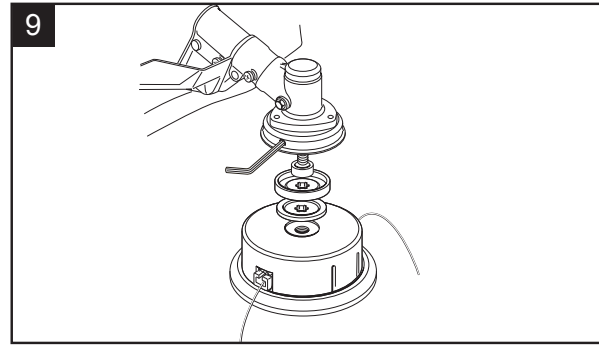
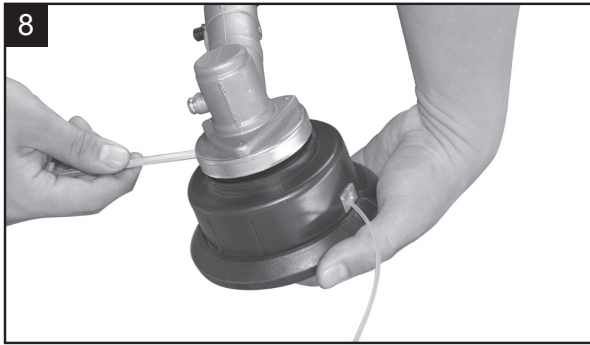
We hope you will use your purchase for many years to come.

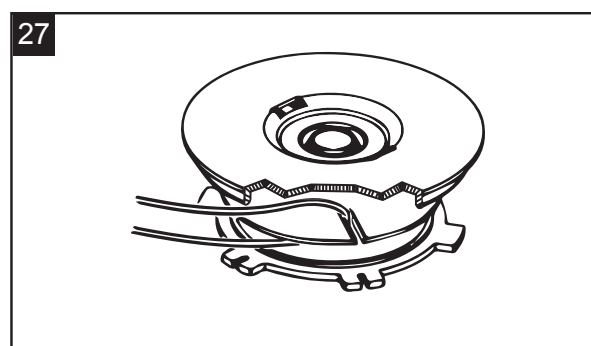
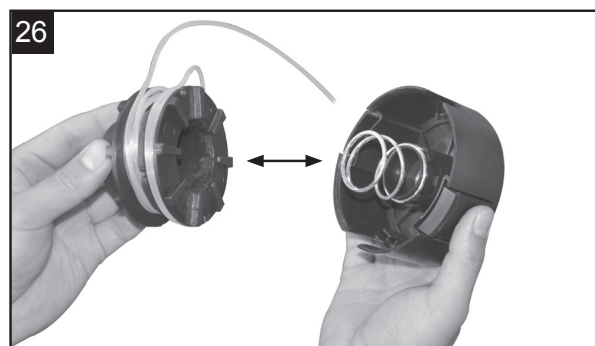
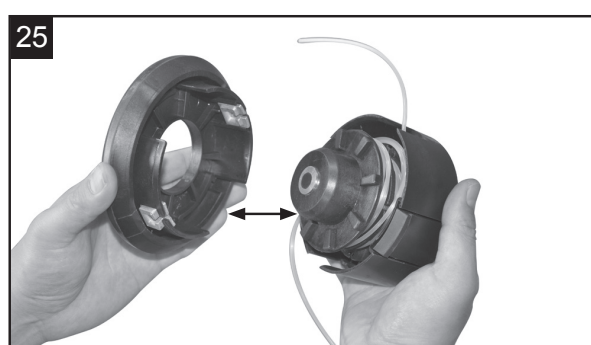
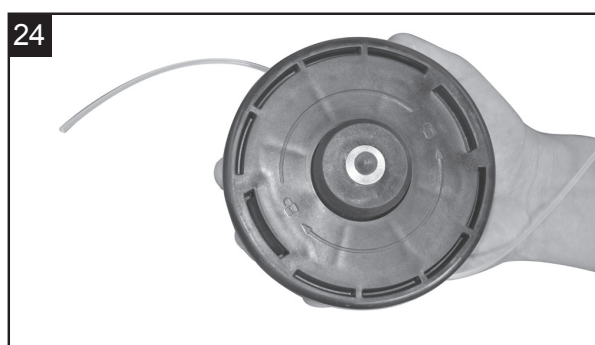
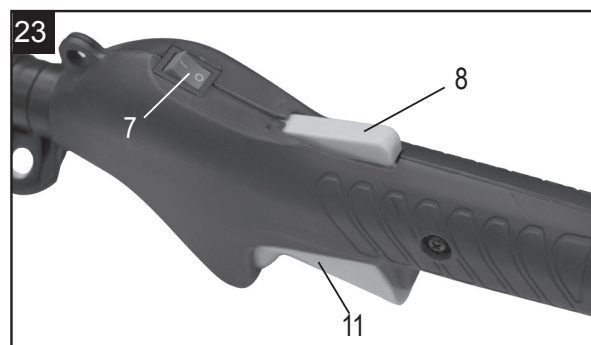
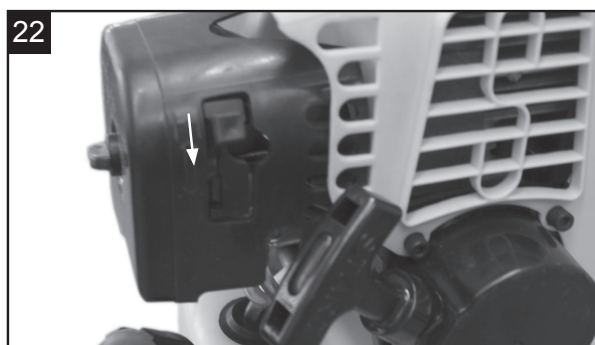
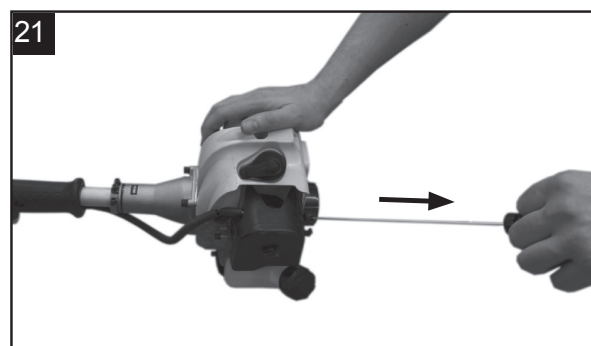
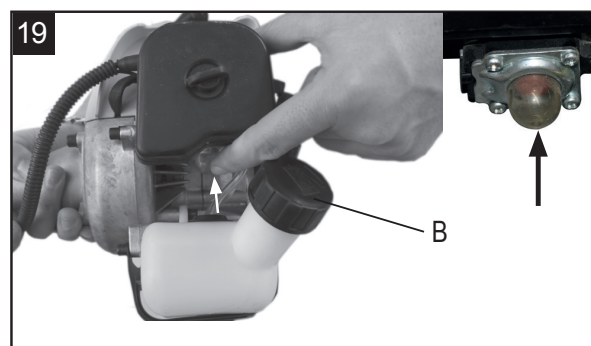
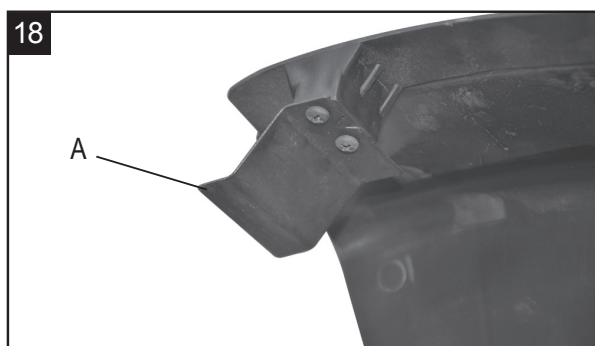
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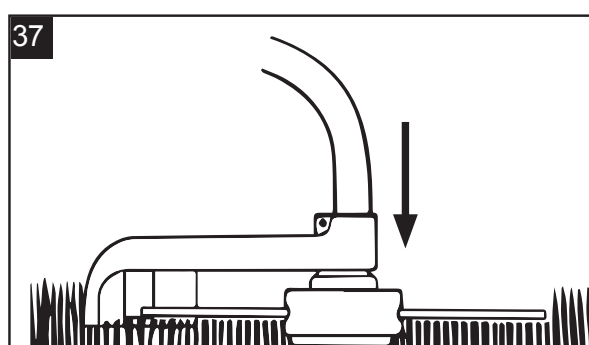
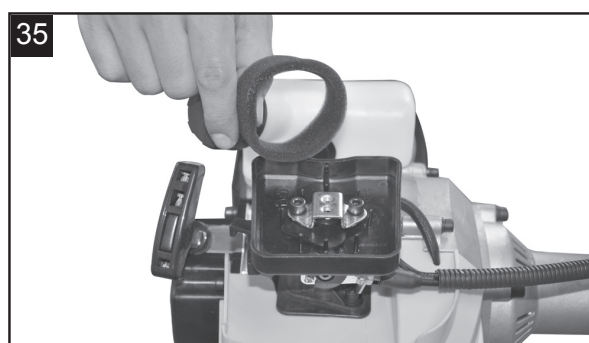
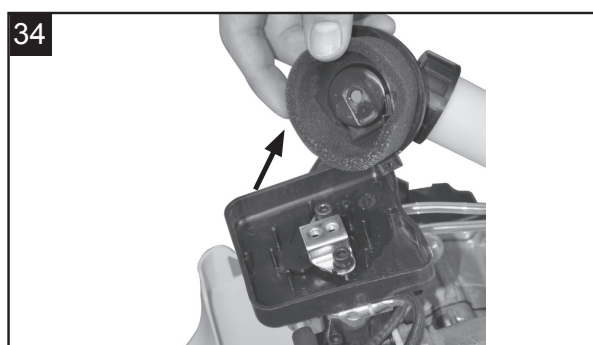
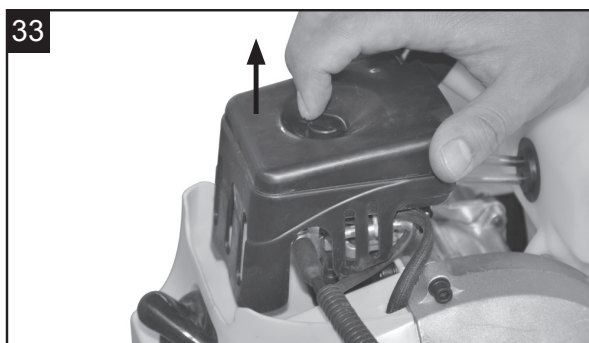
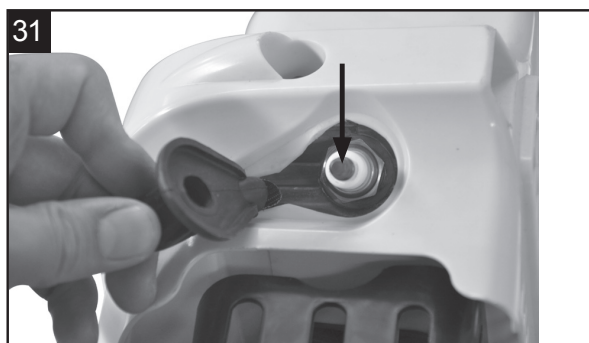
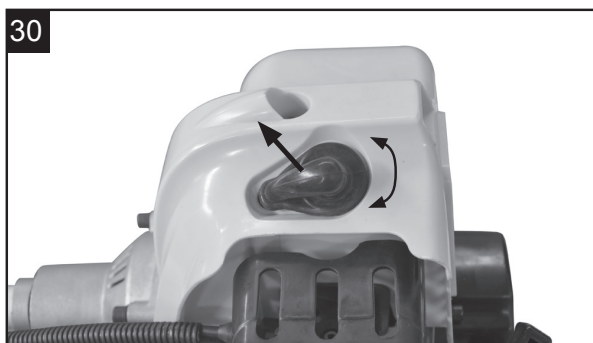
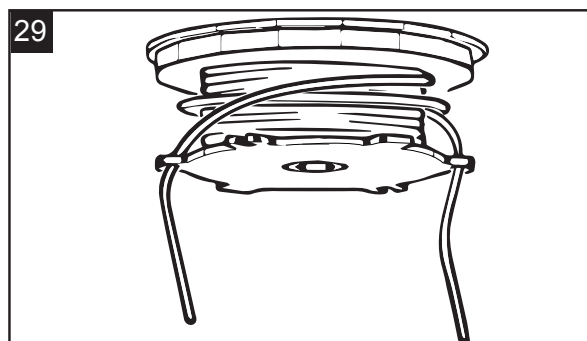
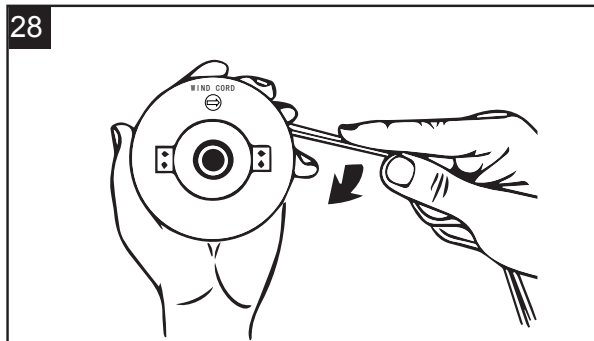
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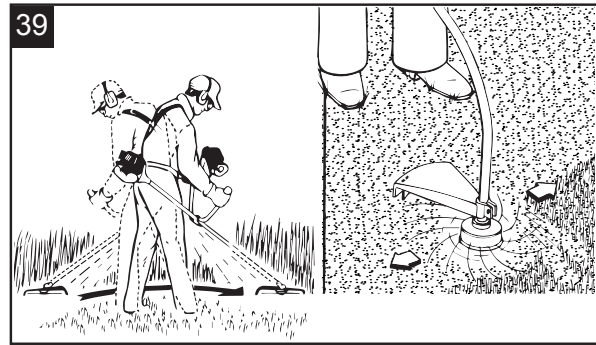
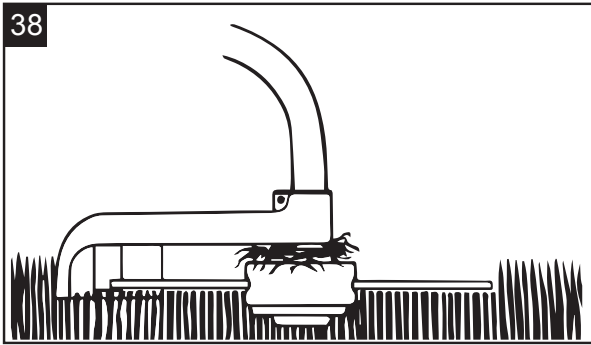













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## II. Explanation of the symbols on the equipment

		Read the instruction manual.			Warning! Petrol is very flammable. Avoid smoking or bringing any flame or sparks near fuel.
		Warning! Denotes risk of personal injury, loss of life, or damage to the tool in case of non-observance.			Warning! Risk of injury! Do not let your hands or feet come in contact with the blades when the motor is running.
		Warning! Keep all children, bystanders and helpers 15 metres away from the brush cutter!			Wear robust footwear when using the device!
		Wear protective helmet, ear and eye protection.			Wear protective gloves when using the device!
		Warning! The exhaust and other parts of the engine will get very hot during use, do not touch!			Symbol for refuelling the "MIX Petrol" on fuel tank cap.
		Warning! Beware of thrown objects hit by cutting attachments. Never use without properly mounted blade guard.			The product complies with the applicable European directives and an evaluation method of conformity for this directives was done.
		Caution thrown objects when operating brush cutter			Electric shock can cause fatal injury. Keep a distance of at least 10m from power cables.

### III. Introduction

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We hope you will enjoy using your purchase for many years to come.

#### NOTE:

According to the applicable product liability laws, the manufacturer of the device does not assume liability for damages to the product or damages caused by the product that occurs due to:

- Improper handling,
- Non-compliance of the operating instructions,
- Repairs by third parties, not by authorised service technicians,
- Installation and replacement of non-original spare parts,
- Application other than specified,
- A breakdown of the electrical system that occurs due to the non-compliance of the electric regulations and VDE regulations 0100, DIN 57113 / VDE0113.

#### WE RECOMMEND:

Read through the complete text in the operating instructions before installing and commissioning the device. The operating instructions are intended to help the user to become familiar with the machine and take advantage of its application possibilities in accordance with the recommendations. The operating instructions contain important information on how to operate the machine safely, professionally and economically, how to avoid danger, costly repairs, reduce downtimes and how to increase reliability and service life of the machine.

In addition to the safety regulations in the operating instructions, you have to meet the applicable regulations that apply for the operation of the machine in your country. Keep the operating instructions package with the machine at all times and store it in a plastic cover to protect it from dirt and moisture. Read the instruction manual each time before operating the machine and carefully follow its information. The machine can only be operated by persons who were instructed concerning the operation of the machine and who are informed about the associated dangers. The minimum age requirement must be complied with.

### IV. Device description (Fig. 1)

1. Motor drive unit
2. Pole saw
3. Hedge trimmer
4. Power scythe
5. Grass trimmer
6. Front handle
7. Stop Switch
8. Throttle lever "lock"
9. Starter cable
10. Tank
11. Throttle lever
12. Automatic oil pump
13. Saw chain
14. Chain saw blade
15. Cutting unit
16. Adjustment lever
17. Cutting blade
18. Protection shield (power scythe + grass trimmer)

### V. Scope of delivery

- Open the packaging and take out the equipment with care.
- Remove the packaging material and any packaging and/or transportation braces (if available).
- Check to see if all items are present.
- Inspect the equipment and accessories for transport damage. In case of complaints the supplier is to be informed immediately. Complaints received at a later date will not be acknowledged.
- If possible, keep the packaging until the end of the guarantee period.
- Read the operating instructions to make yourself familiar with the device prior to using it.
- Only use original parts for accessories and spare parts. Spare parts are available from your specialised dealer.
- Specify our part numbers as well as the type and year of construction of the device in your orders.

#### ⚠ Important!

The equipment and packaging material are not toys. Do not let children play with plastic bags, foils or small parts. There is a danger of swallowing or suffocating!

Fig. 1 + 2

- Motor drive unit
- Pole saw
- Hedge trimmer
- Power scythe
- Grass trimmer
- Spark plug wrench (19)
- Open-ended spanner (8 mm / 10 mm) (20)
- Allen key (size 4) (21)
- Allen key (size 6) (22)
- 2 x cable ties (23)
- Combined oil/petrol cylinder (24)
- Belt (25)
- Front handle (26)
- 4 screws M5 x 35 (27)
- Cover (28)
- 4 nuts M5

## VI. Safety instructions

- Make sure that no persons or animals are close to the working area (minimum distance of 15m).  
Grass being cut and thrown up may contain foreign objects such as stones. You are responsible for the safety in your working area, and you are liable for damages to persons or property.
- It is not permitted to either start or use the petrol brush cutter in the vicinity of persons or animals.
- Do not use the tool when you are tired or distracted, or your ability to react is impaired when you are under the influence of alcohol or medication. Inattentiveness may cause serious injuries.
- Use approved safety goggles. Use approved ear protection. Use high-quality safety gloves.
- Use high-quality skid-proof protective shoes with safety steel caps. Never operate the tool wearing sandals, or when barefoot.
- Always wear an approved safety helmet for working in a forest.
- Do not wear wide clothing or jewellery. Wear long trousers to protect your legs. Wear safety helmet for long hair. Loose clothing, jewellery, and long hair can get caught in the moving parts. Wear suitable and durable tight working clothes.
- Keep body parts and clothing away from the cutting tool when you start the engine, or keep it running.
- Make sure you are standing in a stable and secure position during work. Avoid moving backwards with the tool due to risk of stumbling.
- Avoid any unnatural posture.
- When the petrol cutting blade has been operate for a long period of time, it may cause a circulatory disorder due to vibration (Raynaud's disease). In this case, it is impossible to specify any length of operation, because it may differ from person to person. The following factors can have an influence on this phenomenon: Circulatory disorders in the hands of the operator, low outdoor temperatures, long hours of operation. Therefore, it is recommended to wear warm protective gloves, and to take breaks at regular intervals.
- The exhaust of internal combustion engines is poisonous and can lead to suffocation, among others. It is not allowed to operate the petrol cutting blade in closed or poorly ventilated rooms.
- Refill the petrol tank only outdoors, or in wellventilated areas.
- Petrol and petrol vapors are highly flammable. Keep away from flammable materials and sources of ignition, such as ovens or stoves.
- Do not smoke while refueling or operating the tool.
- Immediately wipe away spilled petrol.
- Start the petrol cutting blade only at a location far away from the place of refueling.
- Always make sure that the cover of the fuel tank is well closed. Look out for possible leakage.
- When the engine is running or the engine is hot, it is not allowed to open the cap of the fuel tank or refill petrol.
- Open the cap of the fuel tank slowly so that petrol vapor can escape.
- Make sure the handles are dry, clean, and free of petrol mixed with oil.
- Do not use the tool without exhaust pipe and when the exhaust pipe guard is not properly installed.
- Do not touch the exhaust pipe, there is a risk of burns.
- Only use the fuel recommended in the manual. Keep petrol only in containers designed for it, and store it at a safe location.
- While cutting on a slope, always stand below the cutting tool.
- Always make sure no objects or other debris is collecting in the trimmer head, in the protective hood, or in the engine.
- Always switch off the tool before you put it down.
- Do not use any wire, or anything similar in the line spool.
- Only work during daylight, or when the area is illuminated well using lighting.
- Subject the tool to a visual inspection before each use.
- Check, if all screws and connecting parts are tightened.
- Always use both hands to hold the tool.
- Check the tool, and its components and guards for damages, or wear and tear before each use, and have it repaired, if necessary. Never make the devices for protection and safety inoperable. Do not use the tool, when damages or signs of wear become apparent.
- Keep the tools clean and fully functional to ensure better and safer work.
- Always maintain a safe distance between the tool and your body during work.
- Always switch off the tool when work will be interrupted or the location will be changed; wait until the cutting tools have completely stopped, and turn off the engine.
- Never leave the tool without supervision at the place of work. Store the tool at a safe place when work will be interrupted.
- Persons operating the machine must not be distracted, or one may lose control over the tool.
- Never use the tool during rain, in a humid or wet environment, and do not store it outdoors.
- Should the tool become wet, wait until it is completely dry before you use it again.
- Before starting work, it is recommended to check the objects to be cut for possible foreign objects and to remove them. When despite of this you encounter a foreign object during cutting, switch off the tool and remove this object.
- If the tool is jammed by a foreign object (stones, piles of grass), switch it off, and remove the object using a blunt item. Never use your fingers to remove jammed foreign objects, because this may cause serious injuries.
- Always keep the running tool away from your body.
- Attention: the cutting tool still runs for some time after the tool is switched off!
- Do not overload the engine, and do not use it for work the tool is not designed for.
- Always make sure the ventilation openings are free of dirt.

- Store the tool out of the reach of children.
- Store the tool at a safe and dry location.
- Check the engine for damages after impact, or other damages.
- Keep body parts and pieces of clothing away from the trimmer head when you start the engine, or keep it running.
- Always keep in mind that especially during trimming of lawn edges, gravel enclosures, and similar locations stone and dirt can be hurled away from the cutting line.
- Never cross roads or paths when the tool is switched on.
- Never cut against hard objects such as stone, etc. This way you avoid injuries, and damages to the tool.
- Never use the tool without the guards attached.
- Never use your hands to stop the cutting device.
- Always wait until it stops on its own.
- Hold and guide the trimmer head as close to the ground as possible.
- Only cut grass growing on the ground. Do not cut grass in cracks in walls, growing or on rocks, etc.
- Always make sure no objects, or other debris is collecting in the trimmer head, in the protective hood, or in the engine.
- Only use the tool, when the guard is attached.
- Always switch off the tool, before you put it down.
- Keep in mind that there is risk of injuries in the area of the cutting device intended to cut off the line.
- CAUTION: The cutting tool continues rotating for a few seconds after the engine is turned off.
- Put the tool down only after the cutting tool has completely stopped and the motor is turned off.
- When the cutting tool is damaged, it must be replaced at once.
- Always use the original line only. Never use a metal wire instead of the nylon line.
- Tool and cutting tools must be properly inspected and serviced periodically. Damages must be repaired by a service center.
- Only use accessories recommended by the manufacturer.
- Have your tool serviced only by qualified personnel and by use of original spare parts only. This ensures that the tool will work safely in the future.

## VII. Remaining hazards

- There will always be residual risks, even if you use this equipment according to instructions. The following hazards can occur in connection with the construction and design of this tool.
- Health hazards resulting from swinging of hand and arm if the equipment is used for an extended period and if it is not operated or maintained properly.
- Injuries and material damage caused by ejection of tool attachments which are unexpectedly thrown from the equipment because of sudden damage, wear and tear or improper attachment.
- Use the gripping spikes for every cut as the starting point and always start the cut with the saw chain running. Make the cut in such a way that the saw does not get jammed in the wood.

- Pay particular attention to branches under tension.
- Always pull the tool out of the wood when the saw chain is running.
- Never work with the tool above shoulder height or with only one hand.
- Always stand away from the falling direction. Position yourself on a slope above the tree to be felled.
- Always stand sideways when carrying out sawing work on a tree which is located on a slope, never work from above or below.
- Always look out for the falling direction of the parts which are cut off.
- Never start the cut with the bar tip and never cut with the bar tip.
- Risk of kickback! There is always a risk of kickback when the bar tip touches the wood or other objects. This makes the chainsaw uncontrollable and it may be thrown towards the operator with great force.
- Do not use the tool as a lever to move objects.
- Always use the chain guard during transport and storage.
- Secure the tool during transport in order to prevent loss of fuel, damage or injury.
- Warning! Keep passers-by away from running equipment but never work by yourself.
- Keep within earshot of others in case you need help.
- Stop the engine immediately when someone approaches you.
- Make sure that the saw chain does not come in contact with foreign objects such as stones, fences, nails and similar. These objects could be ejected and injure the operator or passers-by or damage the saw chain.
- Do not use the machine within 10 metres of a position from which it can reach high-voltage cables.

**Before working on the tool itself (e.g. transport, set-up, retooling, cleaning and maintenance), disconnect the spark plug cap!**

## VIII. Intended use

The brush cutter (using the cutting blade) is designed for cutting young trees, strong weeds and undergrowth.

The power trimmer (using the line spool with cutting line) is designed for cutting lawns, grassed areas and small weeds.

The hedge trimmer is suitable for cutting hedges, bushes and shrubs.

The pole-mounted petrol-powered pruner is designed for lopping off tree branches. It is not suitable for extensive sawing work, felling trees or sawing any materials other than wood.

The operating instructions as supplied by the manufacturer must be obeyed to ensure that the equipment is used properly. Any use which is not expressly permitted in the manual may result in damage to the equipment and place the user in serious danger. Be sure to observe the restrictions in the safety instructions.



Please note that our equipment has not been designed for use in commercial, trade or industrial applications. Our warranty will be voided if the equipment is used in commercial, trade or industrial businesses or for equivalent purposes.

Important: Due to the high risk of bodily injury to the user, the petrol power scythe must not be used to carry out the following work: to clean dirt and debris off walkways, or to chop up tree or hedge clippings. Similarly, the petrol power scythe must not be used to level out high areas such as molehills. For safety reasons, the petrol power scythe must not be used as a drive unit for other work tools or toolkits of any kind.

The equipment is allowed to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse. The user/operator and not the manufacturer will be liable for any damage or injuries of any kind resulting from such misuse.

#### Non-permitted users:

Persons who are not familiar with the operating manual, children, young people under the age of 16 as well as persons under the influence of alcohol, drugs or medication must not operate the unit.

## IX. Technical data

MFH3300-4P	
Technical data	
Cutting data grass trimmer	
Cutting circle diameter of line mm	430
Cutting line diameter mm	2 x 2.4
Cutting line length m	4
Cutting data brush cutter	
Cutting circle diameter of blade mm	255
Cutter blade thickness mm	1.4
Teeth quantity	3
Cutting data hedge trimmer	
Cutting circle diameter mm	24
Bar length mm	406
Cutting length mm	400
Max. cutting speed max. min-1	1550
Cutting data pole saw	
Bar length mm	305
Cutting length mm	254
Chain link thickness	1.3
Oil tank capacity l	0.125
Power unit	
Displacement ccm	32.6
Max. engine output W	900
Fuel tank capacity l	0.9
Engine type	2-stroke engine, air-cooled
Weight grass trimmer kg	7.2

Weight brush cutter kg	7.2
Weight pole saw kg	7.1
Weight hedge trimmer kg	7.7

Subject to technical changes!

Information concerning noise emission measured according to relevant standards:

Sound pressure  $L_{pA} = 94 \text{ dB(A)}$

Sound power  $L_{WA} = 114 \text{ dB(A)}$

Uncertainty  $K_{PA} = 3 \text{ dB(A)}$

Wear ear-muffs.


The impact of noise can cause damage to hearing.

Vibration  $A_{hv} = 5.0 \text{ m/s}^2$

Uncertainty  $K_{hv} = 1.5 \text{ m/s}^2$

Reduce noise generation and vibration to a minimum!

- Use only equipment that is in perfect condition.
- Maintain and clean the equipment regularly.
- Adopt your way of working to the equipment.
- Do not overload the equipment.
- Have the equipment checked if necessary.
- Switch off the equipment when not in use.
- Wear gloves.

In these operating instructions we have marked the places that have to do with your safety with this sign: 

## X. Before starting the equipment

Each time before use, check the following:

- That there are no leaks in the fuel system.
- That the equipment is in perfect condition and that the safety devices and cutting devices are complete.
- That all screws are securely fastened.
- That all moving parts move smoothly.

### 1 Fuel and oil

Recommended fuels

Use only a mixture of unleaded petrol and special 2-stroke engine oil. Mix the fuel mixture as indicated in the fuel mixing table.

Important: Do not use a fuel mixture which has been stored for longer than 90 days.

Important: Never use 2-stroke oil with a recommended mixing ratio of 100:1. The manufacturer's warranty will be voided in case of engine damage due to inadequate lubrication.

Important: Only use containers designed and approved for the purpose to transport and store fuel.

Pour the correct quantities of petrol and 2-stroke oil into the mixing bottle (see scale printed on the bottle). Then shake the bottle well.

Never use oil for 4-cycle engine or use water cooled 2-cycle engine. It can cause spark plug fouling exhaust part blocking or piston ring sticking.

Mixed fuels, which have been left unused for a period of one month or more, may clog the carburetor or result in the engine foiling to operate properly. Put remained

fuel into an airtight container and keep it in the dark and cool room.

## 2 Fuel mixing table

Mixing procedure: 40 parts petrol to 1 part oil

Example:

1 l Petrol : 0.025 l 2-stroke oil

5 l Petrol : 0.125 l 2-stroke oil

### Warning!

**Take care of the emission of exhaust gases.**

**Always shut off engine before fueling. Never add fuel to a machine with a running or hot engine. Take care of fire!**

## XI. Attachment and operation

### ASSEMBLY

When assembling this machine, please follow the instructions for assembly printed.

#### 1 Assemble the handle on the machine. Fig. 2-3

- Install the front handle as shown on the image 2.
- Make sure that you align the pin with the hole. Tighten the screws only loosely before you have the most comfortable working position set to the risers. The front handle should be aligned as in pictures 2+3 shown, then tighten the screws.

#### 2. Mounting the shaft. Fig. 4

- Pull out the locking pin (a) and press the lower part of the shaft (b) downward until the locking pin engages. The bolt (a) is in the right position when it is fully seated in the bore.
- Lastly, tighten the knob (d) securely.

#### 3. Assemble the safe guard. Fig. 5-7

- Fix the safe guard with hex key and wrench enclosed as standart accessories for tightening the nuts enough. Please see the below pictures showing.

**⚠ Warning!** Use only original manufacturer's replacement parts, accessories and attachments. Failure to do so can cause poor performance, possible injury and may void your warranty. Never use the machine without the guard assembled!

#### 4. Assemble and disassemble the cutting head grass trimmer / nylon cutting head. Fig. 8-9

- Release the nut.  
Line up the two holes of flange and shield, use one screw driver to hold the flange as below and turn the socket wrench clockwise, the nut will be released.
- Fit the Nylon cutting head.  
Remove another shield after release the nut. Still hold the flange, take the Nylon cutting head on the shaft and rotate counter-clockwise, the Nylon cutting head is fitted. Fig. 8/9
- Release the Nylon cutting head.  
Use screw driver to hold flange and then rotate the Nylon cutting head clockwise, it will be replaced.

#### Brush cutter / Cutter blade

- Fit the blade. Fig. 10-12

Take the outer flange off after release the nut, then put the blade (17), outer flange (17b), shield (17a) and nut according to priority as below picture. Note the blade rotation direction needs be same as below picture. Use screw driver to hold flange and tighten nut counter-clockwise, ensure the nut is tightened enough.

- Release blade. Use screw driver to hold flange and release nut, the blade can be took off.

### ⚠ Warning!

Please make sure the cutting head has been assembled correctly before use!

**Note:** The packaging material is made of recycled materials. Dispose of packaging materials in accordance with regulations.

#### 5. Fit the belt. Fig. 13-15

- The combined petrol grass trimmer, pole saw, brush cutter must be used with the strap.
- Balance the machine when the tool is switched off.
  - Wear the shoulder strap.
  - Adjust the strap length so that the snap hook (k) is about a hand's breadth below the right hip.
  - Hang the petrol brush cutter on a hook.
  - Hang the machine.
- When standing in a normal working posture, the blade should touch the ground during normal working position.
- Thereby, it is important that the petrol brush cutter is always well balanced.
- For operation, hook the petrol brush cutter into the snap hook (k) of the carrying strap while the engine is running.
- **ATTENTION!** In an emergency, the safety latch (l) can be pulled from the harness. The machine then detaches immediately from the carrying strap (9) and falls to the ground.

### OPERATION

When working with the equipment as grass trimmer and brush cutter, the appropriate plastic guard hood for cutting blade mode or cutting line mode must be fitted to prevent objects being thrown out by the equipment.

The integrated blade (A) in the cutting line guard hood automatically cuts the line to the optimum length.

Fig. 18

#### Filling with fuel

### ⚠ Danger of injury! Fuel is explosive!

**Turn off and cool the motor down before filling the tank with fuel. You must observe all safety instructions relating to handing fuel.**

### ⚠ Risk of device damage!

**The device is supplied without motor or gearbox oil.**

**ATTENTION! Before operating, you must fill it with fuel.**

- Unscrew the tank cap (B) and remove it. Fig. 19
- Pour in the fuel carefully. Avoid spilling!
- Screw the tank cap on firmly by hand.

#### Draining fuel. Fig. 36

- Hold a collection container beneath the fuel drain bolt.
- Unscrew the tank cap and remove it.
- Allow the fuel to run out completely.
- Screw the tank cap on firmly by hand.

#### Start on the unit

Do not start the unit until it has been completely assembled.

#### ⚠ Danger of injury!



**Only start the petrol multi garden tool if an attachment is connected! Remove the appropriate transportation protection and inspect the unit in good working condition. Never use a damaged, poorly adjusted or serviced or not completely and securely assembled device.**

#### Check before use!

- Check the safe condition of the device:
- Check the device for leaks.
- Check the device for visual defects.
- Check that all parts of the device have been securely fitted.
- Check that all safety devices are in proper condition.

#### Start Fig. 17, 19-23

Once the machine has been set up properly, start the engine as follow:

1. Turn the engine switch to the ON position. Fig. 20
2. Put the choke lever on the  position. Fig. 20
3. Press the fuel pump more than 5 times. Fig. 19
4. Pull the recoil starter handle (9) 3-5 times to start the engine. Fig. 21  
Never place feet on the shaft or kneel on it.
5. Wait a while adjust the choke lever to  position. Fig. 22
6. When the engine is running and idling. First press the lock off lever (8) and then switch the throttle lever (11) on, the machine will be working. Fig. 23
7. If any problems, press the engine switch to off position, the machine will stop running. If you need to stop the cutting head working, release the throttle lever (11). Fig. 23
8. If any problem occurs, pull the pin of the safety belt, then release the brush cutter immediately. Fig. 17
9. If the machine is hot, the throttle Lever can be adjusted to ON position directly when restarting the machine.

**Note:** If the engine does not start up even after several attempts, read the section "Engine troubleshooting".

**Note:** Always pull the starter cord out in a straight line. If it is pulled out at an angle, then friction will occur on the eyelet. As a result of this friction, the cable will become frayed and will wear away faster. Always hold the starter handle when the cable retracts.

Never allow the cable to snap back when it has been

pulled out.

**Note:** Do not start the motor in tall grass.

**⚠ Attention:** When the engine has been switched off, the cutting unit continues running for several seconds therefore do not touch the cutting unit until it has come to a standstill!

## XII. Working instructions

### Working with brush cutter / grass trimmer

- When you work with the petrol brush cutter for the first time, familiarise yourself with the operation and control of the petrol cutting blade without running the engine.
- The design of the petrol brush cutter allows for operation only at the right side of the user's body.
- Keep the petrol brush cutter firmly with both hands on the handles.
- Always make sure that the cutting tool continues to rotate briefly after the throttle has been released.
- Always work with high speed so you have the best cutting results.
- Caution: Always be extra careful when working in difficult terrain and slopes. Cut tall grass gradually so as not to overload the unit.
- Always wear safety glasses and hearing protection and a safety helmet.

### Mowing with the grass trimmer

- Use the plastic line cassette for a clean cut also at uneven edges, fencing posts, and trees.
- Carefully advance the trimming line to an obstacle, and use the tip of the line to cut around the obstacle. When the trimming line comes into contact with stones, trees, and walls, the line wears out or breaks off ahead of time.
- Swing the petrol cutting blade like a normal scythe horizontally from right to left and back again. You define the cutting height depending on how high you are holding the tool.
- Never replace the nylon line with a metal wire.

### Mowing with brush cutter and hedge trimmer

Use the cutting blade to comb through brushwood, young tree populations (trunk diameter of maximum 2cm), and high grass.

- While using metal cutting tools, there is generally a risk of recoil, when the tool hits a solid obstacle (stones, trees, branches, etc.). Thereby, the tool is hurled backwards against the rotating direction.
- To cut brushwood, you "immerse" the cutting blade from the top.

**CAUTION:** Be especially careful, when using this working technique, because the further away the cutting tool is from the ground, the higher the risk that objects to be cut and particles will be hurled sideways.

**CAUTION:** Incorrect use and misuse can damage the bush cutter and cause severe injuries because of pieces hurled away.

To minimize the risk of accidents by use of the cutting blade, take note of following points:

- Never cut shrubbery or wood whose diameter is larger than 2cm.
- Avoid contact with metal bodies, stones, etc.
- Periodically check the cutting blade for damages. Never continue to use a damaged cutting blade.
- When the cutting blade becomes apparently blunt, it must be sharpened according to instructions. When the cutting blade is apparently out of balance, it must be replaced.

#### **Automatic thread trimming (Fig. 36)**

The petrol cutting blade is delivered with a filled line cassette.

This line will wear out during work. To feed new line, forcefully press the head of the line cassette onto the ground while the engine is running at working speed.

The line is automatically fed due to centrifugal force.

The knife at the line guard will shorten the trimming line to the correct length.

Run the trim line approach cautiously to an obstacle and cut with the tip of the line around the obstacle.

#### **Working with pole saw**

##### **Precautions for Saw procedure**

Never stand under the branch you want to saw. Use special caution when working with branches under tension and splintering wood. Possible risk of injury caused by falling branches and catapulting pieces of wood. In general, it is recommended to set the pruning saw at an angle of 60 ° to the road.

Keep both hands well with the device during the cutting process and pay you up to an Equilibrium position and a good level.

- Never try to use your tool with one hand. The loss of control of your tool can cause serious injury or death. Never work on a ladder, a tree branch or other unstable surfaces.
- Never cut with the upper edge or the tip of the cutter bar.
- Make sure that the chain tension is always correctly adjusted.
- Practice for guiding the device slight pressure, but you do not overload the motor.

Clear the work area before cutting interfering branches and undergrowth. Then you create a retreat area, far from the spot where the cut branches fall on, and remove any obstacles there. Keep the work area clean, remove the cut branches immediately. Pay attention to your point, wind direction and the possible direction of fall of the branches. Be prepared that fallen branches can strike back. Place all other tools and equipment at a safe distance from the branches to be cut, but not in the retreat area.

#### **Always observe the condition of the tree.**

Look for rot and decay in the roots and branches. If they are rotten inside, they can break off and fall down unex-

pectedly during cutting.

You could also attend by fractured and dead branches out, which is solved by the shake and fall on you. For very thick or heavy branches you first make a small incision below the branch before you work from the top down to avoid chipping.

#### **Basic cutting technique**

Heavy branches break off easily when sawing. They tear long strips of bark away from the trunk, which damages the tree sustainably. The following section technique can significantly reduce this risk:

- Saw the first branch about 10cm from the trunk.
- Put in about 15cm from the base of the top of a further section.
- Saw until the branch breaks. The risk of injury on the trunk is no.
- Finally, remove with a clean cut from the top of the trunk along the remaining.
- Thus, the damage to the tree are kept as low as possible, we recommend the interface additionally to seal with grafting wax.

#### **Hazards by reactive forces**

Reactive forces occur during operation of the saw chain. The forces which are applied to the wood are against the operator. They occur when the moving chain comes into contact with a fixed object such as a branch or is pinched. These forces can lead to a loss of control and injury.

Understanding the origin of these forces can help you to avoid the scare and the loss of control. This saw is designed to make the return effects are not as noticeable as with traditional chainsaws.

Always still keep a firm grip and a good level to maintain control of the tool in doubt.

The most common effects are:

- setback
- recoil,
- retreat

#### **Kickback**

The setback can occur when the moving saw chain meets at the upper quarter of the guide rail on a solid object or is pinched.

The cutting force exerted on the chain from the saw, a rotational force in the opposite direction to the chain travel. This leads to an upward movement of the guide rail.

#### **Avoid kickback**

The best protection is to avoid situations that lead to setbacks.

1. Keep the position of the upper guide rail always in mind.
2. Leave this place never come into contact with an object. Cut anything with it. Be especially careful near wire fences and cutting small, hard knots, in which the chain can easily pinch.
3. Cut only one branch at a time.



**Withdrawal**

The withdrawal occurs when the chain on the underside of the bar suddenly stuck because it is jammed or encounters a foreign object in the wood. The chain then pulls the saw forward. The withdrawal often happens when the chain is not running at full speed when in contact with the wood.

**Avoid withdrawal**

Be aware of the forces and situations that can lead to jamming of the chain on the underside of the bar. Always start with running at full speed chain to cut.

**Recoil**

The recoil occurs when the chain on top of rail suddenly stuck because it is jammed or encounters a foreign object in the wood. The chain can jerkily hold the saw against the operator. Rebounds happen often if the top rail is used for cutting.

**Avoid recoil**

Be aware of the forces and situations that can lead to jamming of the chain on top of rail. Do not cut more than one branch at a time. Do not tilt the rail to the side when you pull them out of a cutting gap, since the chain could get caught otherwise.

**XIII. Maintenance**

**INJURY WARNING: Always wear protective gloves when working on or around cutting tools.**

Before performing any maintenance or cleaning work, always turn off the engine and pull out the spark boot plug.

1. Do not spray the unit with water. It damages the engine.
2. Clean the unit with a cloth, hand brush, etc.
3. Use a moist piece of cloth to clean the plastic parts. Do not use any cleaning agents, solvents, or sharp objects.
4. During the course of work, wet grass and weed wraps around the drive shaft below the cutting guard for technical reasons. Remove this, otherwise the engine will overheat because of too much friction.

**Regular checks**

Keep in mind that following specifications relate to normal usage. Owing to circumstances (longer periods of daily work, severe dust exposure, etc.), the specified intervals will become correspondingly shorter.

- Before start of work and after refueling  
Check if cutting tools are seated securely, general view inspection, sharpen cutting blade (also, if necessary).
- Weekly inspection:  
Lubrication of gear (also, if necessary).
- If necessary:  
Retighten accessible fastening screws and nuts. You will avoid excessive wear and tear and damages of the tool, when you follow the instructions in this manual.

The user is responsible for all damages caused by non-compliance with instructions in this manual. This also ap-

plies to non-authorised modifications of the tool, use of non-authorised spare parts, accessories, working tools, unrelated and not intended use, secondary damages due to use of faulty components.

**Wear Parts**

Even when used in the intended way, some components are subject to normal wear. They have to be replaced depending on the kind of duration of usage. These parts include, among others, the cutting tool and the retaining disk.

**Replacing the line spool/cutting line Fig. 24-29**

1. Pull off the line guard cap from the line spool (5) by forcefully pressing between the retaining plates.
2. Remove the spool with line remaining and the compression spring.
3. Remove the used up spool.
4. Take the new line spool and pull out 10cm at both lines each.
5. Now, place the line spool (5) on the tapered spring, and guide both lines each through the round metal lugs at the line spool housing.
6. Then place the spool cover on the new line spool (5). Turn it so that the plates of the spool cover are pushed with the springs in the line spool housing.
7. Now, press the spool cover together with the line spool, until it engages in the line spool housing.
8. The knife (A) in the protective hood (18) shortens the trimming line to the correct length, when the engine starts again.

**Grinding the safety hood blade**

The safety hood blade can become blunt over time.

- When you notice this, undo the screw holding the safety hood blade on the safety hood.
- Clamp the blade in a vise.
- Sharpen the blade with a flat file and make sure that the angle of the cutting edge is not altered in the process. File in one direction only.

Replacing and resharpening the cutting blade at the end of the mowing season always resharpen the cutting blade or, if required, replace the cutting blade with a new one.

Unbalanced blades will cause the brush cutter to vibrate violently-risk of accident!

**Change and clean the spark plug Fig. 30-31**

Check the spark plug air gap at least once a year or when the engine starts poorly. The correct gap between ignition flag and ignition contact is 0.25"/0.63mm.

- Wait until the engine has cooled down completely.
- Pull the spark plug cap off the spark plug, and use the supplied spark plug wrench to remove the spark plug by turning.
- When the electrode is severely worn out or reveals a strong incrustation, the spark plug must be replaced with an equivalent plug.
- A strong incrustation of the spark plug can be caused

by: Amount of oil is too high in the petrol mix, poor oil quality, old petrol mix, or plugged up air filter.

- Screw the spark plug by hand completely into the thread. (Avoid jamming it)
- Use the supplied spark plug wrench to tighten the spark plug.
- When using a torque wrench, the tightening torque is 12-15Nm.
- Plug the spark plug socket correctly on the plug.

#### Clean the air filter Fig. 32-35

Soiled air filters reduce the engine power by supplying too little air to the carburetor. Dust and pollen plug up the pores of the filter made of foamed plastic. Regular checks are therefore essential.

- Unclip the air filter cover and remove the sponge filter element.
- To avoid objects falling into the air tank, replace the air filter cover.
- Wash the filter element in warm soap water, rinse and allow drying naturally.

**Important:** Never clean the air filter with petrol or inflammable solvents.

In order not to shorten the service life of the engine, a damaged air filter must be replaced at once.

#### ⚠ Warning!

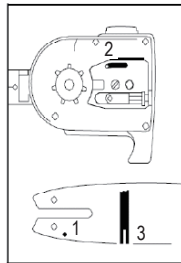
**Never run the engine without the air filter element installed.**

#### Care of the guide rail

Turn the rail around every time you have the chain sharpened or replaced. This will avoid a one-sided wear of the rail, especially at the top and bottom.

Regularly clean

- 1 = the opening for the oil supply  
2 = the oil passage  
3 = the raceway groove of the rail



#### Servicing and sharpening of saw chain

The correct sharpened chain

Working effectively with the chainsaw is only possible if the chain is in good condition and sharp. This also reduces the risk of kickback. The chain can be re-sharpened by any dealer. Do not attempt to sharpen the chain yourself unless you have the necessary special tools and experience. A properly sharpened chain goes way through the wood and it requires very little pressure. Do not work with a dull or damaged chain. It increases physical exertion, increases the vibrations and leads to unsatisfactory results and higher wear.

- Clean the chain.
- Check it.
- Replace damaged or worn parts with matching spare

parts they are in the shape and size of the original parts as necessary.

- Sharpening a chain should be performed only by experienced users!

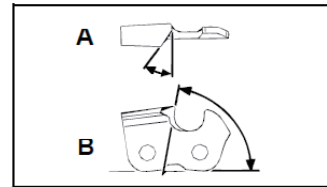
Notice. Below the angle and dimensions If the chain is not properly sharpened or the depth is too small, there is a higher risk of reversion effects and resulting injuries! The chain cannot be fixed on the guide rail. It is therefore best to remove the chain from the rail and then sharpen.

- Select the appropriate tools for the chain pitch sharpening tool. See "Specifications" for the allowed chain pitches.

The chain pitch (for example 3/8 ") is highlighted in the depth of each blade.

Use only special files for chainsaws! Other files have the wrong shape and the wrong cut.

Select the file according to the diameter of your chain pitch. Make sure to observe the following angle when sharpening the chain diameter.



A = filing angle

B = the angle of the side plate

The angle must also be maintained for all knives.

For irregular angles, the chain is run irregularly, wear quickly and break down prematurely.

Since these requirements can only be met with sufficient and regular exercise:

- A File Holder must be used when sharpening the saw chain by hand. The correct filing angle marked on it.
- Hold the file horizontally (at a right angle to the guide rail) and file according to the angle mark on the file holder. Support the file holder on the top plate and depth gauge.
- File down. The knife is always from the inside to the outside
- The file sharpens only in forward motion. Lift it off in the backward motion.
- Do not touch the dynamic links with the file.
- Turn the file regularly continue to avoid a onesided wear.
- Remove to remove a piece of hard wood, bones raw edges.

All knives must have the same length, otherwise they will also vary. As a result, the chain is irregular and it increases the risk of going broke.

#### Lubricate angle transmission

Lubricate with lithium-based grease. Remove the screw and put in the grease, turning the shaft manually until grease emerges, then replace the screw.

#### Storing the unit

After cutting, clean the unit thoroughly. Store the unit in a dry room allow the motor to cool down beforehand.

**Important hint in case of sending the equipment to a service station:**

Due to security reasons please see to it that the equipment is sent back free of oil and gas!

## XIV. Storage

### Cleaning

- Keep handles free of oil, so you always have a secure hold.
- Clean the equipment as required with a damp cloth and, if necessary, mild washing up liquid.

### ⚠ Important!

- Always pull out the spark boot plug each time before carrying out any cleaning.
- Never immerse the equipment in water or other liquids in order to clean it.
- Store the petrol multi garden tool in a safe and dry place out of the reach of children.

### Storage

**Important:** Never put the equipment into storage for longer than 30 days without carrying out the following steps.

### Storing the equipment

If you intend to store the equipment for longer than 30 days, the equipment must be prepared accordingly. Otherwise the fuel still remaining in the carburetor will evaporate and leave a rubbery sediment. This can cause problems when starting up the equipment and may require expensive repairs.

- 1 Slowly remove the fuel tank cap to release any pressure that may have formed in the tank. Carefully empty the tank.
- 2 To remove the fuel from the carburetor, start the engine and let it run until the equipment stops.
- 3 Leave the engine to cool (approx. 5 minutes).
- 4 Remove the spark plug (see section 10 Change and clean the spark plug).
- 5 Add one teaspoon of 2-stroke engine oil into the combustion chamber. Slowly pull the starter cord several times to apply a layer of oil to all internal components. Fit the spark plug again.

**Note:** Store the equipment in a dry place and far away from possible ignition sources such as an oven, a gas fired hot water boiler, a gas fired dryer, etc.

### Putting the equipment back into operation

- 1 Remove the spark plug (see section 10 Change and clean the spark plug).
- 2 Quickly tug on the starter cord to remove excess oil from the combustion chamber.
- 3 Clean the spark plug and check that the electrode gap is correct, or insert a new spark plug with the correct electrode gap.
- 4 Prepare the equipment for operation.

- 5 Fill the tank with the relevant mixture of fuel and oil. See the section „Fuel and oil“.

### Transport

To transport the machine, empty the petrol tank as described in section 8 draining fuel. Clean coarse dirt off the equipment with a brush or hand brush.

## XV. Disposal and recycling

The equipment is supplied in packaging to prevent it from being damaged in transit. The raw materials in this packaging can be reused or recycled. The equipment and its accessories are made of various types of material, such as metal and plastic. Defective components must be disposed of as special waste. Ask your dealer or your local council.

## XVI. Troubleshooting

The table below contains a list of fault symptoms and explains what you can do to remedy the problem if your equipment fails to work properly. If the problem still persists after working through the list, please contact your nearest service workshop.

### Important hint in case of sending the equipment to a service station:

Due to security reasons please see to it that the equipment is sent back free of oil and gas!

Fault	Possible cause	Remedy
Machine does not start.	<ul style="list-style-type: none"> <li>Air filter is contaminated.</li> <li>Fuel filter is blocked.</li> <li>Lack of fuel supply.</li> <li>Fault in the fuel line.</li> <li>Starting device is faulty.</li> <li>Engine stalled.</li> <li>Spark plug cap not attached.</li> <li>No spark.</li> <li>Engine faulty.</li> <li>Carburetor faulty</li> </ul>	<ul style="list-style-type: none"> <li>Clean/replace the air filter.</li> <li>Clean or renew the fuel filter.</li> <li>Re-fuel.</li> <li>Check the fuel line for kinks or damage.</li> <li>Contact the service centre.</li> <li>Remove the spark plug, clean and dry it; then pull the starter rope several times; re-fix the spark plug.</li> <li>Check the correct position of the spark plug cap.</li> <li>Clean the spark plug or replace it, if applicable.</li> <li>Check the ignition cable for damage.</li> <li>Contact the service centre.</li> <li>Contact the service centre.</li> </ul>
Machine starts but stops again.	<ul style="list-style-type: none"> <li>Wrong carburetor setting (idle speed).</li> </ul>	<ul style="list-style-type: none"> <li>Contact the service centre.</li> </ul>
Engine starts but the cutting tool stops.	<ul style="list-style-type: none"> <li>Cutting tool blocked.</li> <li>Internal fault (drive shaft, gearbox).</li> <li>Clutch faulty.</li> </ul>	<ul style="list-style-type: none"> <li>Turn off engine and remove object.</li> <li>Contact the service centre.</li> <li>Contact the service centre.</li> </ul>
Machine works with interruptions (sputtering).	<ul style="list-style-type: none"> <li>Carburetor set up incorrectly.</li> <li>Spark plug is sooty.</li> <li>On/off switch faulty.</li> </ul>	<ul style="list-style-type: none"> <li>Contact the service centre.</li> <li>Clean the spark plug or replace it.</li> <li>Contact the service centre.</li> </ul>
Smoke is generated.	<ul style="list-style-type: none"> <li>Wrong fuel mix.</li> <li>Carburetor set up incorrectly.</li> </ul>	<ul style="list-style-type: none"> <li>Use two-stroke mixture at a ratio of 40:1.</li> <li>Contact the service centre.</li> </ul>
Machine does not work at full power.	<ul style="list-style-type: none"> <li>Machine is overloaded.</li> <li>Air filter is contaminated.</li> <li>Carburetor set up incorrectly.</li> <li>Silencer is blocked.</li> </ul>	<ul style="list-style-type: none"> <li>Do not use force during mowing/trimming.</li> <li>Clean the air filter or replace it.</li> <li>Contact the service centre.</li> <li>Check the exhaust.</li> </ul>
Brush cutter does not work at full power.	<ul style="list-style-type: none"> <li>Blades are blunt or damaged.</li> <li>Cut material is too high (machine overloaded).</li> </ul>	<ul style="list-style-type: none"> <li>Sharpen or replace blades.</li> <li>Cut the grass in phases.</li> </ul>
Grass trimmer does not work at full power.	<ul style="list-style-type: none"> <li>Cutting line too short or damaged.</li> <li>Machine is overloaded because the grass is too high.</li> </ul>	<ul style="list-style-type: none"> <li>Feed more cutting line through or replace it.</li> <li>Cut the grass in phases.</li> </ul>
Cutting line cannot be fed through.	<ul style="list-style-type: none"> <li>Spool empty.</li> </ul>	<ul style="list-style-type: none"> <li>Replace spool.</li> </ul>
Pole saw does not saw, it plucks or vibrates.	<ul style="list-style-type: none"> <li>Chain tension too high.</li> <li>Chain blunt.</li> <li>Chain attached incorrectly.</li> <li>Chain worn.</li> </ul>	<ul style="list-style-type: none"> <li>Check and reset chain tension.</li> <li>Have the chain sharpened or replace it.</li> <li>Re-attach the chain.</li> <li>Replace the chain.</li> </ul>
Saw chain becomes hot or saw chain lubrication does not work.	<ul style="list-style-type: none"> <li>No oil in the tank.</li> <li>Oil line blocked.</li> <li>Chain tension too high.</li> <li>Chain blunt.</li> </ul>	<ul style="list-style-type: none"> <li>Refill oil.</li> <li>Clean the oil line.</li> <li>Set the chain tension.</li> <li>Have the chain sharpened or replace it.</li> </ul>





Petrol multi garden tool

# Warranty Details

The product is guaranteed to be free from defects in workmanship and parts for a period of 12 months from the date of purchase. Defects that occur within this warranty period, under normal use and care, will be repaired, replaced or refunded at our discretion. The benefits conferred by this warranty are in addition to all rights and remedies in respect of the product that the consumer has under the Competition and Consumer Act 2010 and similar state and territory laws.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

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#### After Sales Support

Telephone: 1300 855 831  
Internet: [www.scheppach.com.au](http://www.scheppach.com.au)





Petrol multi garden tool

# Repair and Refurbished Goods or Parts Notice

Unfortunately, from time to time, faulty products are manufactured which need to be returned to the Supplier for repair.

Please be aware that if your product is capable of retaining user-generated data (such as files stored on a computer hard drive, telephone numbers stored on a mobile telephone, songs stored on a portable media player, games saved on a games console or files stored on a USB memory stick) during the process of repair, some or all of your stored data may be lost. **We recommend you save this data elsewhere prior to sending the product for repair.**

You should also be aware that rather than repairing goods, we may replace them with refurbished goods of the same type or use refurbished parts in the repair process.

**Please be assured though, refurbished parts or replacements are only used where they meet ALDI's stringent quality specifications.**

If at any time you feel your repair is being handled unsatisfactorily, you may escalate your complaint. Please telephone us on SUPPLIERTELEPHONE or write to us at:

SUPPLIER NAME	RossMac Pty. Ltd.
SUPPLIER ADDRESS	P.O. Box 261, Essendon North, Victoria, 3041
SUPPLIER TELEPHONE	1300 855 831
SUPPLIER EMAIL ADDRESS	support@scheppach.com.au

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#### After Sales Support

Telephone: 1300 855 831  
Internet: [www.scheppach.com.au](http://www.scheppach.com.au)

