

IRONMAX



USER'S MANUAL **2 In 1 Electric Scarifier & Rake** **ET1415US**

THIS INSTRUCTION BOOKLET CONTAINS **IMPORTANT** SAFETY INFORMATION. PLEASE READ AND KEEP FOR FUTURE REFERENCE.



 Before the first operation, please read the owner's manual carefully!

EN CONGRATULATIONS ON YOUR PURCHASE OF OUR PRODUCT. This manual contains important information about safety, installation, operation, maintenance, storage, and troubleshooting. Keep this manual in a safe place to be able to find information in the future or for other users. Given the constant technological development and adaptation to the latest exacting standards of the EU technical and design changes may be carried out without prior notice. Photographs are for illustrative purposes only, and may not exactly match the product itself. It is not possible to exercise any legal claims associated with this operator's manual. In case of doubt, contact the importer or retailer.



SAFETY SYMBOLS

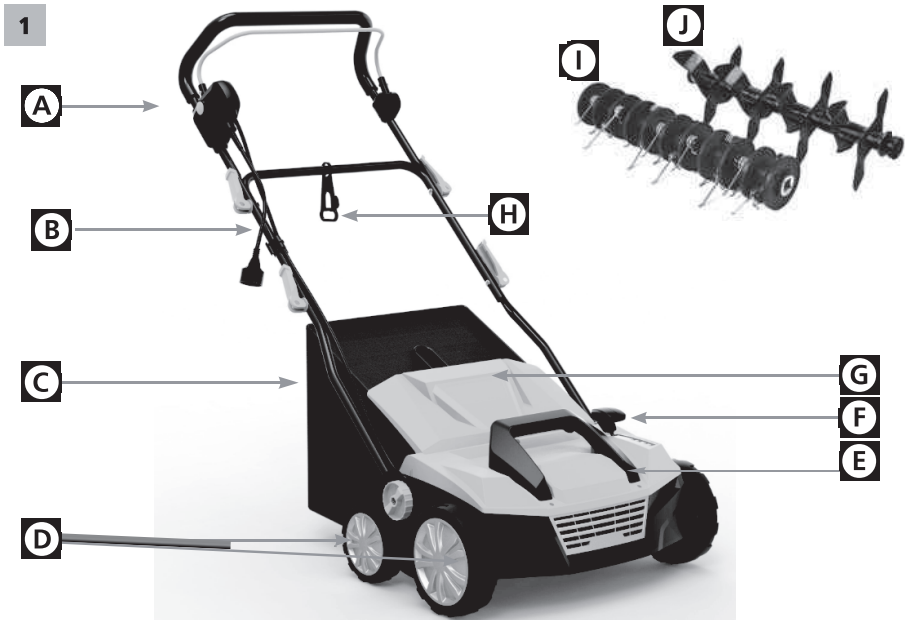
	Your machine must be used with care. Therefore, stickers have been placed on the machine, to remind you pictorially of main precautions to take during use. Their meaning is explained below.		Risk of injury ejected parts.		Do not use this product in the rain or leave outdoors while it is raining.
			WARNING! Before starting any maintenance work wait until all machine components have completely stopped before touching them.		Warning: Risk of hand and feet injury.
	These stickers are considered as a part of the machine and can't be in any case removed from the machine. WARNING: Keep the safety signs clear and visible on the equipment. Replace the safety signs if they are missing or illegible.		Use eyes protection.		
			Use ears protection.		
			There is a risk of injury from damaged power cable. Keep away from the power cable to the cultivation knife!		Risk based on the damaged network cable. Connecting cable to maintain a sufficient distance from the device and the cutting blades!
	Proper interpretation of these symbols will allow you to operate the product better and safer. Please study them and learn their meaning.		Touch moving parts after they finally stop.		Voltage
			Keep other people and domestic animals at a safe distance.		Engine power
	The following warning symbols are to remind you of the safety precautions you should take when operating the machine.		Before setting and cleaning, in the case of entanglement or damage connecting cable, turn off the engine and pull the mains plug.		Max. speed
					Working width
	Read the instruction manual.				Capacity of bin
	Attention! Dangerous voltage!				Weight
					The machine has a protective isolation
					Water intrusion protection
					Do not discard electrical appliances with household waste.
			Warning: Keep hands, feet, hair and clothing away from the moving parts of the shredder.		LWA Data Lwa noise level in dB.
			The cutting head continues to rotate after motor is switched off for a few seconds.		

SPECIFICATIONS

voltage		120v~60hz
rated power		13A
engine rotations		3500min⁻¹
cutting width		380 mm
grass catcher volume		50L
machine weight with scarifier drum		12.8KG
protection class		Class II

Specifications are subject to change without notice.

MACHINE DESCRIPTION



A	Safety switch / plug combination
B	Guide bar
C	Collecting bag
D	Wheels
E	Lawn scarifier
F	Cutting height adjusting device

G	Safety flap
H	Cable restraint
I	Rake drum
J	Scarifier drum

ILLUSTRATED GUIDE

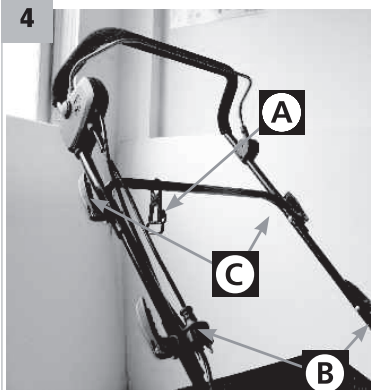
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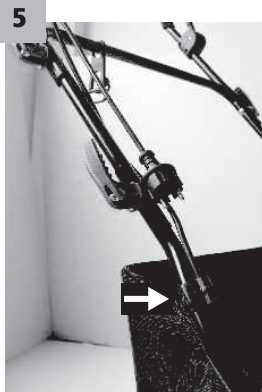
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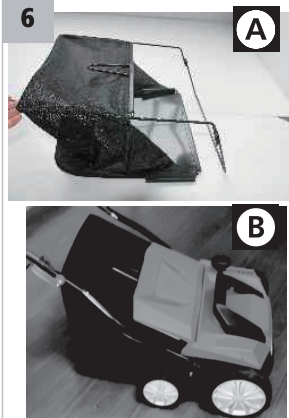
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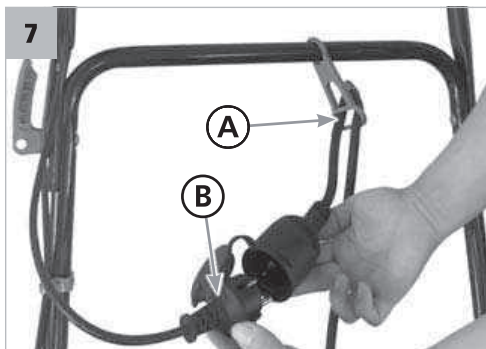
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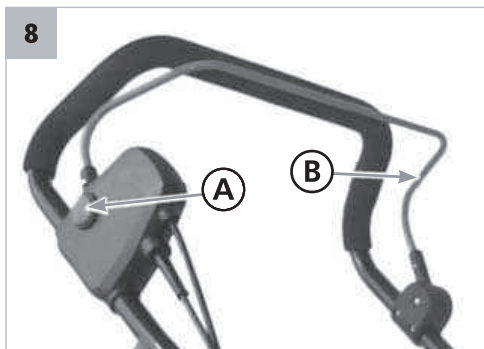
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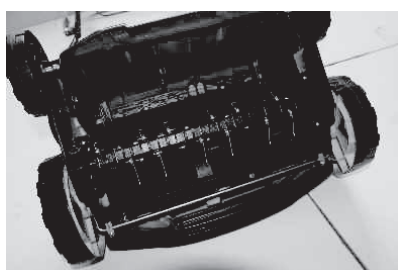
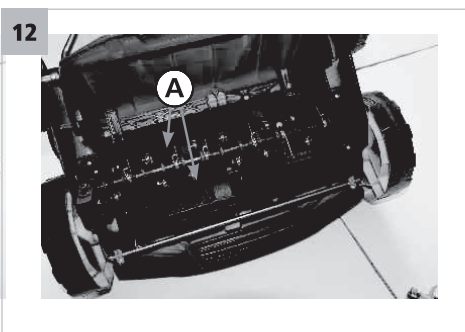
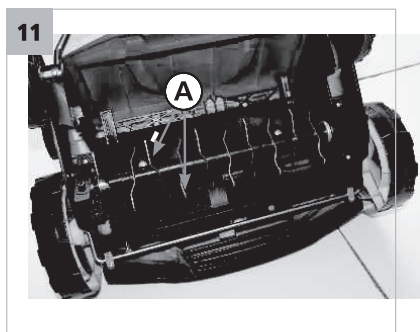
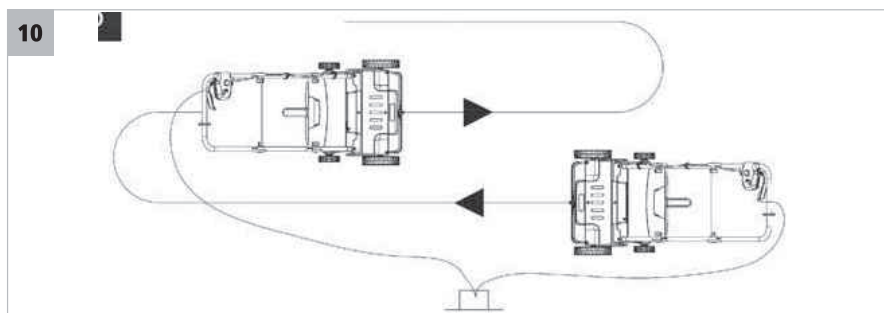
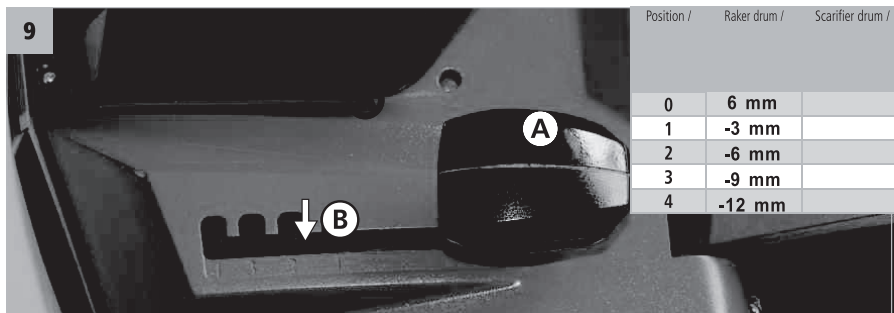


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CONDITIONS OF USE

- ⚠ WARNING! PLEASE READ THE OPERATING INSTRUCTIONS! Read all instructions before operation. Pay special attention to safety instructions.**
- ⚠ WARNING! FAILURE TO FOLLOW THE INSTRUCTIONS AND FAILURE TO RESPECT SECURITY MEASURES MAY RESULT IN DAMAGE OF THE PRODUCT OR SERIOUS INJURIES OR EVEN FATAL INJURY.**

If you notice any damage during transport or unpacking, notify your supplier immediately. DO NOT PUT INTO OPERATION.

SPECIFIC TERMS AND CONDITIONS OF USE

This product is exclusively intended for the use

- to remove the top layer (remnants of plants, moss, weeds from the lawn and for aerating lawn.
- according to the corresponding descriptions and safety instructions in these operating instructions

Any other use is not as intended.

Improper use is not covered by the warranty and the manufacturer will reject any liability.

The use not corresponding to the intended purpose results in warranty termination and the rejection of any responsibility on the part of the manufacturer.

Unauthorized changes exclude the liability of the manufacturer for damages resulting from this.

Do not overload! Use the product only for the purpose it was designed for. The product designed for a given purpose performs it better and safer than one that has a similar function. Therefore, always use the correct one for a given purpose.

Please keep in mind that our products are not designed for commercial, trade or industrial use according to their intended purpose. We accept no liability if the product is used in these or comparable conditions.

- ❗ Where it is required, follow the legal guidelines and regulations to prevent possible accidents during operation.**
- ❗ The user is liable for all damages caused to third parties or their property.**
- ⚠ CAUTION! Never use the product if it is close to people, especially children or pets.**
- ⚠ CAUTION! Keep these instruction manual and use them whenever you need more information. If you don't understand some of these instructions, contact your dealer. If the product is lent to another person, it is necessary to lent this instruction manual with it.**

TRAINING

- ❗ All operating personnel must be adequately trained in the use, operation and setting and especially familiar with prohibited activities.**

⚠ CAUTION! This product is not intended for use by persons with reduced sensory or mental capacity or lack of experience and knowledge - unless they are under the supervision of the person responsible for their safety or if this person has been instructed how to use this product. The product is not intended for use by children and persons with reduced mobility or poor physical disposition. We strongly recommend pregnant women to contact her doctor before use of this product.

- Respect national/local regulations regarding working time (please, contact your local authority).

SAFETY INSTRUCTIONS

⚠ WARNING! Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

- Get to know this product. Carefully read the instruction manual. Learn how to use this product, all restrictions, and what risks could be related with its use. Learn the product quickly stop and turn off the controls.
- Be careful at work, be concentrated on actual work, and use the common sense.
- If the product is not in use, it should be stored in a dry and secure place out of the reach of children.
- Never pull the plug from the socket by pulling on the cord. Keep the supply cord away from heat, grease and sharp edges.
- Disconnect the product from the power supply, if it is not in use, before start to repair and if you need replace the accessories.
- Make sure when plugging into a socket that the switch is in "off" position.
- If the product is used outside, use only extension cord designed for outdoor use and marked as such.
- Pay attention to what you are doing, be concentrated and think sensibly, do not work with the product if you are tired, under the influence of alcohol, drugs or medication.
- Faulty switches must be entrusted to an authorised repair service for replacement.
- Do not use this product if the main switch does not allow it to switch on or off.

⚠ WARNING! The use of other accessories or attachments other than those specified in the instructions for use, can cause injury.

- This product is designed in accordance with all applicable safety requirements and standards applicable to it. All repairs should be only made by qualified person and spare parts replaced by original parts, otherwise the user may be in serious danger.

PREPARATION

- Always wear work shoes and long trousers while working with the machine. Don't operate the machine barefoot or in open sandals. Don't wear clothing that has loose parts or hanging laces or neckties.
- Always use effective ear protection and safety goggles
- Carefully inspect the area where the machine will be used and remove any objects that the machine may discard.
- Before starting the machine, make sure that all bolts, nuts and other fastenings are properly tightened and that guards and shields are in correct place. Replace damaged or illegible labels.

- Prior to use, check the power supply and the extension lead for signs of damage or aging. If the supply is damaged during use, unplug the power supply immediately. **DO NOT TOUCH THE SUPPLY BEFORE DISCONNECTING THE POWER.** Don't use the machine if the supply is damaged or worn.
- Cable drum before using completely unwind.
- Use only extension cables with sufficient section, which are approved for this purpose and labelled accordingly.

i Note: It is good to have the extension cable in a distinctive colour in order to not to overlook, cross, cut through or trip over it.

- Use the machine in the recommended position and only on a firm, level surface.
- Don't operate the machine on a paved or gravel surface where the discarded material could cause injury.

OPERATION

- Only operate the machine in daylight or in good artificial light.
- Avoid using the machine on wet grass.
- Always make sure you have a steady stance on the slope.
- Always walk, never run.
- Work across the slope, never up and down.
- Move extremely cautiously if you change direction on the slope.
- Don't operate the machine on slopes that are too steep.
- Take extra care if you are reversing or pulling the machine towards you.
- Stop the sharp edges if the machine is to be tilted when passing over a surface other than the lawn and when the machine is transported to or from the mowing site.
- Never operate a machine that has damaged protective covers or protectors or has no safety devices, such as deflectors and/or collecting basket.
- Connect the engine carefully in accordance with the operating instructions and stay away from the sharp edges.
- Don't tilt the machine when the engine is being switched on, unless the machine has to be tilted when starting. In this case, don't tilt it more than necessary and only lift only the part that is remote from the operator. Always hold both hands in the working position before placing the machine back on the ground.
- Don't run the machine when standing in front of the borehole.
- Don't put your hands or feet near or below rotating parts. Never stand in front of the borehole.
- Don't carry the machine while the engine is running.
- Stop the machine and disconnect the plug from the socket (and remove the locking device if installed). Make sure that all moving parts have completely stopped.
 - whenever you leave the machine,
 - before cleaning a clogged channel,
 - before checking, cleaning or working on the machine,
 - after passing over a foreign object. Make sure that the machine isn't damaged and repair it before restarting and operating;
- If the machine starts to vibrate excessively (check immediately)
 - look for damage,
 - replace or repair any damaged parts,
 - check that all loose parts are tightened.

PERSONAL PROTECTION AND FIRST AID

i Note: we recommend always having:

- A suitable fire extinguisher (snow, powder, halotron) at your disposal.
- A fully equipped first-aid kit, easily accessible for accompaniment and operator.
- Mobile phone or other device for quickly calling emergency services.
- Accompaniment familiar with the principles of first aid.

! Accompaniment must keep a safe distance from the workplace while always seeing you!

- **Always follow the principles of first aid in case of any injuries.**
- If there is a cut, cover the wound with a clean bandage (fabric) and press down firmly to stop the bleeding.
- If persons with circulatory problems are often exposed to excessive vibration, they may experience injury to blood vessels or their nervous system. The vibrations may cause the following symptoms appear on fingers, hands or wrists: numbness, itching, pain, tingling, changes in skin colour or of the skin itself. If any of these symptoms occur, consult a doctor.
- When an electric shock is caused, it is necessary more than anywhere else to put emphasis on safety and risk elimination for the rescuers. The affected person usually stays in contact with electrical equipment (source of injury) because of muscle spasms caused by the electric shock. Traumatic process continues in this case. It is therefore necessary to **TURN THE POWER OFF FIRST** using any possible way. Subsequently **CALL AN AMBULANCE** or other professional service, and then **PROVIDE FIRST AID!** Ensure free airways, check breathing, check pulse, put the affected flat on their back, bend their head and stick out their lower jaw. If necessary, begin with artificial respiration into the lungs and heart massage.

IN CASE OF FIRE:

- If the motor starts to burn or if the smoke appears from it, turn the product off and move away to safety Places.
- To extinguish the fire, use suitable fire extinguisher (snow, powder, halotron).
- **DO NOT PANIC.** Panic can cause even more damage.

RESIDUAL RISKS

- Even if the device is used according to instructions, it's impossible to eliminate all the risks associated with its operation. The following risks may occur arising from device construction:
- Mechanical hazard, caused by cut and throw off.
- Electrical hazard caused by touch with parts under high voltage (direct contact) or with parts, which came under a high voltage due to failure of the device (indirect contact).
- Heat hazard resulting in burning or scalding and other injuries caused by possible contact with high temperature objects or materials including heat sources.
- Noise risk resulting in loss of hearing (deafness) and other physiological disorders (e.g. loss of balance, loss of consciousness).
- Vibration risk (resulting in vascular and neurological harm in the hand-arm system, for example so called "white finger disease").
- Dangers caused by failing in ergonomic principles by construction of the machine, for example dangers caused by unhealthy position of body or excessive overcharge and unnatural to the anatomy of the human hand-arm, relate to construction of handle, equilibrium of the machine.

- Dangers caused by unexpected starting, unexpected exceeding of engine revs caused by defect/failure of control system, relate to the defects by the handle and placing of drivers.
- Dangers caused by impossibility to stop the machine in best conditions, relate to solidity of the handle and placing of engine shut down device.
- Dangers caused by defect of machine control system, relate to solidity of the handle, placing of drivers and marking.
- Dangers caused by shooting up of subjects or splashing of liquids.

⚠ WARNING! The product produces an electromagnetic field of a very weak intensity. This field may interfere with some pacemakers. To reduce the risk of serious or fatal injury, persons with pacemakers should consult the use with their physician and the manufacturer.

ELECTRICAL REQUIREMENTS

- Never use at the nominal voltage other than 120V/60HZ. The circuit must be properly and accordingly current protected.

RECOMMENDATIONS FOR PROTECTION CLASS II MACHINES

- Machines should be powered via a current protector (RCD) having a tripping current of no more than 30 mA.

UNPACKING

- Carefully remove the product from the box.
- Do not throw away packaging materials until you have reviewed carefully that they did not remain any parts of the product.
- Parts of the packaging (plastic bags, paper clips, etc.) do not leave within reach of children, could be a possible source of danger. Do not let children play with plastic bags, foils or small parts. There is a danger of swallowing or suffocating!
- Make sure that bags and containers of plastic material are disposed of properly in the environment because they pollute it.
- Disposal must be made in accordance with the regulations in force in the country in which the product was installed.
- If you have any doubt do not use the product, but have it checked by an authorized service center.

PACKAGE CONTENTS:

1x scarifier body, 2x lower part of the handle, 1x middle part of the handle, 4x screw with nut, 1x upper part of the handle, 1x collection box cover, 1x collection box frame, 1x cable restraint, 2x cable clamp, 1x second working cylinder, 1x instruction manual

- **Standard accessories are subject to change without notice.**
- This product requires assembly. The product must be assembled correctly before use.
- If you notice transport damage or while unpacking, notify your supplier immediately. Do not operate the product!
- We recommend save the package for future use. The packaging materials must still be recycled or disposed of in compliance with the relevant legislation. Sort different parts of the packaging according to material and hand it to the appropriate collection sites. For further information contact your local administration.

ASSEMBLY

- Put the lower handle (*fig. 2*) into the socket and insert into the lock on the body of the machine (*fig. 3*). The connection secure by quick screw in the "open" position. Then "lock it" in a suitable position.
- To the middle part of the handle put the cable restraint (*fig. 4(A)*). Then screw the handle by using two quick screws (*fig. 4(B)*) to the lower parts of the handle.
- To the middle part of the handle fix by using two quick screws (*fig. 4(C)*) to the upper part of the handle.
- At the end fasten the cable by using the clips to the handle (*fig. 5*).

GRASS COLLECTING BAG

- Mount the collection box cover on the frame (*fig. 6(A)*)
- Pull the safety flap upwards and hold.
- Attach the holder of the collecting bag to the hooks onto the housing (*fig. 6(B)*).

WORKING WITH THE DEVICE

 **CAUTION!** The machine is designed for loading only by moving forward. By moving backwards, first stop the shaft with blades. By moving backwards the collection does not work and the machine can be damaged.

BEFORE STARTING

MOUNTING OF THE EXTENSION CABLE

- Thread the extension cable through the strain relief as a loop and hang it up (*fig. 7(A)*).
- Plug the female connector of the extension cable on the male connector of the machine (*fig. 7(B)*).
- Make sure that the extension cable has enough free motion.

SWITCHING ON

 **WARNING!** The blade starts turning as soon as the motor is started.

Start the motor carefully according to instructions and with body parts, especially feet well away from the blade.

Start the aerator on a level surface, free of high grass or obstacles. Keep hands and feet away from the rotating parts. Do not start the motor when standing in front of the discharge opening. During operation, always hold the handle and switch handle firmly with both hands.

- The device is equipped with a safety circuitry preventing inadvertent switching on.
- Tilt the appliance slightly towards you so that the front wheels are above the ground and the roll could start running smoothly.
- Push the safety button (*fig. 8(A)*) and keep it depressed.
- Next, pull the switch lever (*fig. 8(B)*) against handle bar.
- The machine starts and the drum can rotate freely.
- Now release the safety button (*fig. 8(A)*).

 **Note:** During operation, when the switch handle is released, the motor will stop and thus stopping the lawn aerator from operating.

SWITCHING OFF

 **CAUTION!** The cylinder continues to rotate for a few seconds after the motor is shut off.

- Release the switch lever and motor will stop (*fig. 8(B)*).

MOTOR PROTECTION

- The motor is equipped with a protective circuit breaker and switches off automatically in case of overloading. After a cooling down break (approx. 15 min), the motor may be restarted.
- Release the switch lever (*fig. 8(B)*) because the device will otherwise restart immediately after it has cooled down. Risk of injury!

SETTING THE WORK DEPTH

 **CAUTION!** Before settings the work depth switch off device and wait until the drum is stationary!

 **All wheels must be set to the same height.**

- The cutting height is adjusted directly by the shift switch (*fig. 9(A)*) on the front of the deck.
- Pull the lever in the direction indicated by the arrow (*fig. 9(B)*) and set it to the desired position (0/1/2/3/4). Ensure that the lever clicks into place correctly.
- When you set the working depth, start with the smallest depth (position 1) to bigger depth. After each change try to drive a little piece of the lawn. When the drum contacts the ground, stop setting the working depths. If the lawn is rough and aerating is uneven, you can lower the depth after one degree.
- For the first aerating we recommend you to set the lowest depth.
- If you don't observe this instructions, there is a risk of overload and machine damage. In case of using raker drum in extremely low position there is an additional chipping or cracking of the wire. The lowest positions are for work with partially worn (shorter) blades / wires.

GRASS CATCHER

 **CAUTION!** Risk of injury! Only remove or attach the grass collection box with the motor switched off and the blade stationary.

If the grass catcher is full, should be promptly emptied.

Empty and clean the grass sack or grass basket, make sure it is clean and ensure its meshwork is ventilated.

CHANGING THE DRUMS

 **CAUTION!** Before changing the drums switch off device wait until the drum is stationary pull out main plug.

1. Loosen the pan head screws (*fig. 11(A)*) at the seat of the bearing.
2. Lift the scarifier drum at the seat of the bearing and pull it out.
3. Push the protrusion of the aerator drum into the drive opening.
4. Remount the seat of the bearing using the screws (*fig. 12(A)*).

DECK

The underside of the mower deck should be cleaned after each use to prevent a buildup of grass clippings, leaves, dirt or other matter. If this debris is allowed to accumulate, it will invite rust and corrosion, and may prevent proper operating.

INSTRUCTIONS FOR USE

WHY IS TILLING NECESSARY?

Various climatic seasons in the year lead to storing dead and dry grass and moss, which results in the grass getting felty. The grass roots are unable then to absorb nutrients, water and air in sufficient quantities. The lawn is withering. Vertical cut opens the soil, removes felty places and conditions of better supply of nutrients are thus given.

HOW TO TILL?

On a grassy area with strong felty places, it is necessary to till along once and across once. These works should be done twice in a year. The most suitable is the period in spring, when the soil is not frozen in last summer until the end of September. Later tilling should not be done for the lawn to be prepared possibly for resistance of the lawn in severe winter. In any case, the ejected material should be removed from the grassy area. Tillers for private house garden are those the annual use of which do not exceed 50 hours and are used mainly to care of the grass and grassy areas, but not in public facilities, parks, sports grounds, in agriculture and forestry.

⚠ CAUTION! If you strike a foreign object, stop the motor. Disconnect the power cord, thoroughly inspect the aerator for any damage and repair the damage before restarting and operating the aerator. Extensive vibration of the aerator during operation is an indication of damage (especially cylinder and shaft). The aerator should be promptly inspected and repaired. Contact an authorized service center.

AERATING

- We recommend you to aerate your lawn at the spring and autumn. Do not aerate during lawn dormancy in any case!
- To enable the growth of a healthy lawn in spring, the absorption of water, air and nutrients in the root area needs to be increased.
- To achieve good results and to extend the life of the scarifier drum, the lawn should be mowed before scarifying (shorter than 4 cm).
- Place the scarifier at the edge of the lawn near the receptacle. Move the cable after each turn to the opposite already scarified side (**fig. 10**).
- Select the work depths according to the condition of the lawn (see "Setting the work depth").
- In case of uncultivated very mossy lawn, move once more across to the rows setting the work depth then to a higher position.
- When working on slopes, always position yourself perpendicular to the incline and ensure safe footing. Do not scarify on steep slopes.
- Empty the grass catching bag when it is full to prevent the blades from being blocked and subsequently the motor from being overloaded.

- Mow the lawn once more after scarifying.
- Reseed blank spots that may have developed after scarifying.
- Fertilize the lawn only after fresh grass seeds have put down roots.

MAINTENANCE AND STORAGE

⚠ CAUTION! To ensure proper functioning of the machine, it is necessary to have it checked and adjusted by qualified personnel in an authorized service centre at least once a year.

Good maintenance is essential for safe, economical and trouble-free operation.

Failure to properly follow maintenance instructions and precautions can cause you to be seriously hurt or killed. Always follow the procedures and precautions in this owner's manual.

⚠ WARNING! Prior to any work on the machine (maintenance, inspection, replacement of accessories, servicing) or before storing it, **ALWAYS SWITCH THE ENGINE OFF**, wait for all moving parts to stop and allow the machine to cool down. Prevent the engine from being started accidentally (disconnect the power unit from the mains). If the machine is equipped with a trigger key, remove it.

THIS WARNING IS NOT REPEATED IN ANY FOLLOWING POINTS!

- Always make sure that all nuts and bolts are firmly tightened and make sure the machine is in good working order.
- Keep the machine in good condition, if necessary change warning and instruction labels on the machine.
- Always ensure that the ventilation openings are kept clear of debris.
- For safety reasons, replace worn or damaged parts. Only use original spare parts and accessories. Parts not tested and approved by the equipment manufacturer can cause unforeseeable damage.
- Repair and maintenance work other than described in this section, which are more complicated, or it needs special tools, let it on our authorized service.

INSTRUCTIONS FOR MACHINE MAINTENANCE

- Frequently check the collection basket for wear or damage.
- Always be careful when adjusting the machine to avoid jamming fingers between moving sharp edges and rigid machine parts.
- If you are repairing a set of sharp edges, be aware that even though the power is switched off, the blades can still be moving.

CLEANING

⚠ CAUTION! Never spray the product with water or expose it to water. In any case, do not wash by water the parts of machine, which are not intended for it.

⚠ Never use aggressive detergents or solvents for cleaning.

1. Carefully clean the machine after each use.

2. Do not let the handles contaminate with oil or grease. Clean the handle with a damp cloth washed in soapy water. Never use aggressive detergents or solvents for cleaning. This can cause irreparable damage to the product. The plastic parts can be eaten away by chemicals.
3. Wipe down the product with a slightly damp cloth or with brush.
4. Clean the cover of the machine, especially the ventilation holes.
5. If any of the parts of the machine is cleaned by water or a damp cloth, etc., it must be completely dry. Then the metal parts must be greased against the corrosion with suitable protective oil. Make sure that the water doesn't leak into the internal parts of the machine.
6. Potential damage of the parts due to corrosion, can not be assessed as a manufacturing or material defect.
7. After use, clean the outside of the machine, empty the grass-catcher and shake it to remove grass and other debris.
8. Clean the bottom of the aerator and all used cylinders.
9. Clean wheels, coat of clay can change the depth of cut.
10. When handling with working cylinders wear protective gloves.

REPAIRS

Expert inspection is required, do not make any adjustment by yourself, must contact authorized service centre:

- A. If the lawn aerator strikes an object.
- B. If the motor stops suddenly.
- C. If the cylinder is bent (do not align!).
- D. If the motor shaft is bent (do not align!).
- E. If a short-circuit occurs when the cable is connected.
- F. When you are unsure or the problems are not described here.

STORAGE

- Store the machine out of reach of children.
- Turn the motor off and disconnect the mains plug if the machine is not used.
- Allow let the machine to cool down before storage.
- Do not store the machine a long time in direct sunlight.
- Replace worn or damaged parts for safety.
- Store machine in a clean, dry, dark and frost-free place, protected from dust and out of reach of children. The ideal storage temperature is between 5 and 30°C.
- Use the original packaging for storage whenever possible.
- Cover unit with a suitable protective cover that does not retain moisture. Do not use sheet plastic as a dust cover. A nonporous cover will trap moisture around the machine, promoting rust and corrosion.

TRANSPORT

❶ When moving the machine, the cylinder must be disengaged and the aeration deck raised as high as possible.

- Turn the motor off and disconnect the mains plug. When transporting, be careful not to drop, or otherwise shock the machine. For transport, the machine has to be fixed against slipping and tipping over. Do not place objects on the machine.
- The drum can be damaged during transport, e.g. on hard ground, even when the motor is switched off. Therefore set the work depth of the drum to highest position during transport.

TROUBLESHOOTING

Problem	Possible causes	Remedy
Motor does not start	No electricity	Check mains connection
	Defective cable	Check cable, plug in, replace if required, or have it repaired by a qualified person
	Defective safety switch/plug combination	Arrange for repair in a specialist workshop
	Overheat protection activated	1. Working depth too large, set to the shorter depth 2. Cylinder blocked, remove the blockage 3. Grass too long, mow the lawn before operation Wait till the motor cool down for around 15 minutes before rework
Abnormal noises	Drum is blocked	Remove the blockage
	Toothed belt slips	Contact the after sales service
	Loose screws, nuts or other fasteners	Tighten all parts, contact customer service if noises continue to occur.
Abnormal vibrations	Cutting blades damaged or dull	Replace with a new one
	Working depth too large	Set a lower work depth
	Lawn too long	Mow the lawn before thatching
Poor scarification result	Working depth too small	Set to great working depth
	Worn blades	Replace with a new one
	Ejector channel blocked	Empty the grass catching bag and remove the blockage

⚠ WARNING! Faults which can not be rectified with the aid of this table may be rectified by a authorized service centre.

SERVICE AND SPARE PARTS

- Have your device serviced by a qualified repair personnel using only identical replacement parts. This will ensure that the safety of the device is maintained.
- Whether you need technical advice, repair, or genuine factory replacement parts, contact customer service.

DISPOSAL

- Dispose of your device, accessories and packaging in accordance with the requirements of environmental protection into the recycling collection center.
- This machine does not belong to the household waste. Save the environment and take this device to designated collection points where it will be received for free. For more information

please contact your local authority or nearest collection point. Improper disposal may be punished according to national regulations.

GUARANTEE OF THE PRODUCT

- For this product we provide a legal warranty, legal responsibility from the defects, for **12 months from receipt**.
- For **corporate, commercial, municipal and other than private use** we provide a legal warranty and legal responsibility from the defects from the valid meaning of the Civil Code.
- All products are designed for home use, unless there is another information in the instruction manual or operation description. When using otherwise or in contradiction with instruction manual the claim is not recognized as legitimate.
- Inappropriate product selection and the fact that the product does not meet your requirements can not be a reason for complaint. Buyer is familiar with the properties of the product.
- Buyer has the right to ask the seller to check the functionality of the product and become familiar with its operation.
- A prerequisite for receiving warranty claims is that the guidelines for operating, servicing, cleaning, storage and maintenance were followed.
- Damage caused by natural wear and tear, overloading, improper use or intervention outside the authorized service during the warranty period, are excluded from the guarantee.
- Warranty does not cover wear and tear of components known as common consumables (eg. bearings, carbon brushes, commutators, blades, wire/blades cylinders).
- From the warranty are excluded wear and tear of the product or parts caused by normal use of the product or parts of the product and other parts subject to natural wear and tear.
- By the goods sold at a lower price, the warranty does not cover defects for which the lower price was negotiated.
- Damage resulting from defects in material or manufacturer error will be eliminated free of charge by replacement delivery or repair. It is assumed that the product returns to our service center undismantled and with proof of purchase.
- Cleaning, maintenance, inspection and alignment tools aren't the warranty act and are paid services.
- For repairs that are not subject to warranty, you can have it repaired in our service center as paid service. Our service center will be happy to draw up a costs budget.
- We shall consider the products only that have been delivered clean, complete, in case of sending also packed sufficiently and paid. Products sent as unpaid, as bulky goods, express or by special shipping - will not be accepted.
- In case of justified warranty claim, please contact our service center. There you will receive additional information on processing claims.

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