

1500W

ELECTRIC SCARIFIER AND RAKER

MCESC&R15



V1: 11/24

**Important - Please read these instructions
fully before starting assembly**

These instructions contain important information that will help you get the best from your scarifier and raker, ensuring it is assembled correctly and safely. If you need help or have damaged or missing parts, call the Customer Helpline on 03456052067

**AFTER SALES SUPPORT
0345 605 2067**

SAN NO.: 03218AAA0041

SPEAR & JACKSON SINCE 1760

For more than 250 years gardeners have enjoyed high quality performance and great results using Spear & Jackson tools.

Our garden machines combine continuous innovation and the latest in manufacturing technologies with a proud heritage.

Each product is carefully designed with performance, comfort and durability firmly in mind, which has earned Spear & Jackson an enviable reputation as a maker of tools to trust.

3 YEAR GUARANTEE

As a testament to the quality of our products, we offer a 3 year manufacturers warranty and a comprehensive after sales service.

The warranty covers manufacturing faults, however in the event that the item has been deliberately damaged, used in a commercial environment or disassembled then the warranty will be null and void.

Please retain proof of purchase.

7 DAYS A WEEK TECHNICAL SUPPORT

We want you to get the best out of your products. Our easy-to-read instruction manual guides you with best practice use and maintenance tips. Please call 0345 605 2067 for technical support, we aim to solve around 80% of questions directly over the phone.

We hope you enjoy your product and we look forward to any feedback, as this allows us to develop even better products for the future.

Produced in China for Argos Limited, London, EC1N 2HT, UK.

[Argos \(N.I.\) Ltd](#), Forestside Shopping Centre, Upper Galwally, Belfast, BT8 6FX, UK.

<https://bit.ly/Coreservice-Spear-Jackson>

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SAFETY INFORMATION

Please read these instructions fully before operating or maintaining your machine.

DESCRIPTION OF SYMBOLS

Some of the following symbols may be used on your tool. Be sure to study them and learn their meaning. Proper interpretation of these symbols will allow you to use the machine more effectively and reduce the risk of accident.



Read the instruction manual.



Wear hearing protection.



Wear eye protection



Wear gloves and safety boots to protect against electric shock. Clothing must be sturdy and snug-fitting, but allow complete freedom of movement.



Protect the machine from the damp and never expose it to rain.



Inspect the area where the product is to be used and remove all objects which could be thrown by the product. If objects are hidden while operating stop the motor and remove them.



WARNING-Keep hands and feet away from the tines. Remove plug from mains before maintenance, adjusting, cleaning or if the cord is entangled or damaged. Blades will continue to rotate for some time after the machine is switched off.



Keep power supply flexible cord away from sharp blades.



Objects thrown by the product could hit the user or other bystanders. Always ensure that other people and pets remain at a safe distance from the product when it is in operation. In general, children must not come near the area where the product is.



DANGER-Keep hands away from blade.



Conforms to relevant EU regulatory requirements.



Conforms to relevant UK regulatory requirements.

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DESCRIPTION OF SYMBOLS

Some of the following symbols may be used on your tool. Be sure to study them and learn their meaning. Proper interpretation of these symbols will allow you to use the machine more effectively and reduce the risk of accident.



This class II symbol indicates that the product is correctly insulated. Grounding this machine is therefore unnecessary.



WEEE symbol. Tools that are no longer usable should not be disposed of with household waste but in an environmentally friendly way.

Please recycle where facilities exist. Check with your local council authority for recycling advice.



Guaranteed sound power level (tested according to Directive 2000/14/ EC as amended by 2005/88/EC).

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GENERAL MACHINES SAFETY WARNINGS

General machine safety warnings



WARNING! READ ALL SAFETY WARNINGS, INSTRUCTIONS, ILLUSTRATIONS AND SPECIFICATIONS PROVIDED WITH THIS MACHINE. FAILURE TO FOLLOW ALL INSTRUCTIONS LISTED BELOW MAY RESULT IN ELECTRIC SHOCK, FIRE AND/OR SERIOUS INJURY. SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE. THE TERM “MACHINE” IN THE WARNINGS REFERS TO BATTERYOPERATED (CORDLESS) MACHINE.

Work Area Safety

- **Keep work area clean and well lit.**

Cluttered or dark areas invite accidents.

- **Do not operate machines in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.**

Machines create sparks which may ignite the dust or fumes.

- **Keep children and bystanders away while operating a power tool.**

Distractions can cause you to lose control.

Electrical Safety

- **Machine plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with**

SAFETY INFORMATION

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earthed (grounded) machines.

Unmodified plugs and matching outlets will reduce risk of electric shock.

- **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.**

There is an increased risk of electric shock if your body is earthed or grounded.

- **Do not expose machines to rain or wet conditions.**

Water entering a machine will increase the risk of electric shock.

- **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the machine. Keep cord away from**

heat, oil, sharp edges or moving parts.

Damaged or entangled cords increase the risk of electric shock.

- **When operating a machine outdoors, use an extension cord suitable for outdoor use.**

Use of a cord suitable for outdoor use reduces the risk of electric shock.

- **The use of a residual current device (RCD) when using this tool is recommended.**

Use of an RCD reduces the risk of electric shock.

Personal Safety

- **Stay alert, watch what you are doing and use common sense when operating a machine. Do not use a machine while you are tired or under the influence**

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of drugs, alcohol or medication.

A moment of inattention while operating machines may result in serious personal injury.

- **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non- skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- **Prevent unintentional starting. Ensure the switch is in the off- position before connecting to power source and/or battery pack, picking up or carrying the tool.**
Carrying machines with your finger on the switch or energising machines that have the switch on

invites accidents.

- **Remove any adjusting key or wrench before turning the machine on.**

A wrench or a key left attached to a rotating part of the machine may result in personal injury.

- **Do not overreach. Keep proper footing and balance at all times.**

This enables better control of the machine in unexpected situations.

- **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- **If devices are provided for the connection of dust extraction and**

SAFETY INFORMATION

Please read these instructions fully before operating or maintaining your machine

collection facilities, ensure these are connected and properly used.

Use of dust collection can reduce dust-related hazards.

- **Do not let familiarity gained from frequent use of machines allow you to become complacent and ignore machine safety principles.** A careless action can cause severe injury within a fraction of a second.

Service

- **Have your machine serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the machine is maintained.

Machine Use and Care

- **Do not force the machine. Use the correct machine for your application.** The correct machine will do the job better and safer at the rate for which it was designed.
- **Do not use the machine if the switch does not turn it on and off.** Any machine that cannot be controlled with the switch is dangerous and must be repaired.
- **Disconnect the plug from the power source, if detachable, from the machine before making any adjustments, changing accessories, or storing machines.** Such preventive safety measures reduce the risk of starting the power machine accidentally.
- **Store idle machine out**

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of the reach of children and do not allow persons unfamiliar with the machine or these instructions to operate the machine. Machines are dangerous in the hands of untrained users.

- **Maintain machines and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the machine's operation. If damaged, have the machine repaired before use.** Many accidents are caused by poorly maintained power machines.
- **Use the machine, accessories and machine bits etc. in accordance with these instructions, taking into account the working**

conditions and the work to be performed. Use of the machine for operations different from those intended could result in a hazardous situation.

- **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the machine in unexpected situations.

Lawn Scarifying and Lawn Rake Safety Warning

- **Do not use the machine in bad weather conditions, especially when there is a risk of lightning.** This decreases the risk of being struck by lightning.
- **Thoroughly inspect the area for wildlife where the machine is to be**

SAFETY INFORMATION

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used. Wildlife maybe injured by the machine during operation.

- **Thoroughly inspect the area where the machine is to be used and remove all stones, sticks, wires, bones, and other foreign objects.** Thrown objects can cause personal injury.
- **Before using the machine, always visually inspect to see that the tines and the tines assembly are not worn or damaged.** Worn or damaged parts increase the risk of injury.
- **Before use, check the supply cord and any extension cord for signs of damage or aging. Do not use the machine if the cord is damaged or worn. If the cord is damaged or worn during use, switch off the machine and**

do not touch the cord before disconnecting it from the supply. A damaged supply cord or extension cord may result in electric shock, fire and/or serious injury.

- **Check the catcher frequently for wear or deterioration.** A worn or damaged catcher may increase the risk of personal injury.
- **Keep guards in place. Guards must be in working order and be properly mounted.** A guard that is loose, damaged, or is not functioning correctly may result in personal injury.
- **Keep all cooling air inlets clear of debris.** Blocked air inlets and debris may result in overheating or risk of fire.
- **While operating the machine, always wear non-slip and protective**

SAFETY INFORMATION

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footwear. Do not operate the machine when barefoot or wearing open sandals.

This reduces the chance of injury to the feet from contact with the moving tines.

- **While operating the machine, always wear long trousers.** Exposed skin increases the likelihood of injury from thrown objects.
- **Do not operate the machine in wet grass. Walk, never run.** This reduces the risk of slipping and falling which may result in personal injury.
- **Do not operate the machine on excessively steep slopes.** This reduces the risk of loss of control, slipping and falling which may result in personal injury.
- **When working on**

slopes, always be sure of your footing, always work across the face of slopes, never up or down and exercise extreme caution when changing direction. This

reduces the risk of loss of control, slipping and falling which may result in personal injury.

- **Use extreme caution when reversing or pulling the machine towards you. Always be aware of your surroundings.** This reduces the risk of tripping during operation.
- **Keep the supply cord away from the tines.** A damaged supply cord may result in electric shock, fire and/or serious injury.
- **Switch off and remove plug from mains if the cord is entangled or damaged.** Entangled

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or damaged cords can increase the risk of electric shock.

- **Hold the machine by insulated gripping surfaces only, because the tines may contact hidden wiring or its own cord.** Tines contacting a “live” wire may make exposed metal parts of the machine “live” and could give the operator an electric shock.
- **Do not touch tines and other hazardous moving parts while they are still in motion.** This reduces the risk of injury from moving parts.
- **When clearing jammed material or cleaning the machine, make sure all power switches are off and the power cord is disconnected.** Unexpected operation of the machine may result in serious personal injury.

Additional Safety Warnings for Lawn Scarifier And Lawn Rake

- Do not tilt the product when switching on the motor, except if the product has to be tilted for starting. In this case, do not tilt it more than absolutely necessary and lift only the part furthest away from the operator.
- Stop the rotating parts and make sure all power switches are off and the power cord is disconnected if the product has to be tilted for transportation, when crossing surfaces other than grass and when transporting the product to and from the area to be used.
- Turn off the switches and remove plug from mains. Make sure that all moving parts have come to a complete stop and then to immediately inspect for

SAFETY INFORMATION

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damage.

- after striking a foreign object, and to inspect the machine for damage and make repairs before restarting and operating the machine;
- if the machine starts to vibrate abnormally, and then to immediately inspect for damage, replace or repair any damaged parts and to check for and tighten any loose parts;
- Always pull the mains plug out of the socket:
 - when leaving the product unattended.
 - before freeing a blocked tool.
- Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times.
- Use ear protectors, dust masks, eye protectors and protective goggles. Wear these the whole time while using the device.
- Always wear non-slip and protective footwear and long trousers when operating the device. Do not use the device barefoot or with open sandals. Avoid wearing clothing that is loose fitting or that has hanging cords or ties.
- Never operate the device while persons, especially children, or pets are in the vicinity.
- Ensure the switch is in the off-position before connecting to power source.
- Be careful during adjustment of the machine to prevent entrapment of the fingers between moving tines and fixed parts of the machine;
- Follow the maintenance

SAFETY INFORMATION

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and repair instructions for this product. Never carry out any modifications of the product. Information about maintenance and repair is provided in this user manual.

- Know how to stop the product quickly in an emergency.
- Do not expose to rain. Do not operate the product on a wet grass.
- Use the product only in daylight or good artificial light.
- The product should be supplied via a residual current device(RCD) with a tripping current of not more than 30mA.

Intended Use

This product is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and

knowledge, unless they have been given supervision or instruction concerning use of the product by a person responsible for their safety. Children should be supervised ensuring that they do not play with the product.

- This scarifier and raker is designated with a rated input of 1500 Watts. Depending on the fitted cutting device this product it is either intended for scarifying and removing thatch from lawns or for raking in domestic and hobby gardens.
- When used as a scarifier, this product works by scratching through and between the grass with specially adapted prongs that collect and remove any unwanted parts from the lawn whilst leaving the grass blades intact. At the same time the product scarifies the

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ground resulting in a better ailing.

- When used as a raker, the fine needles will scratch the surface of the lawn while simultaneously picking light debris for better oxygen absorption, ailing and draining.
- This product is not to be used in wet weather conditions and may not be used to mow dry, wet or unusually high grass, e. g. pasture grass or for shredding leaves.
- This product is intended for private domestic use only, not for any commercial trade use. It must not be used for any purposes other than those described.

Maintenance and Storage

- Keep all nuts, bolts and screws tight to be sure the equipment is in safe working condition.

- Switch the device off and remove plug from mains. Make sure that all moving parts have come to a complete stop before attaching or removing the collection bag.
- Check the debris collector frequently for wear or deterioration.
- Replace worn or damaged parts for safety.
- On machines with multiple tine assemblies, take care as rotating one tine assembly can cause another tine assembly to rotate.
- When servicing the tine assembly, be aware that, even though the power source is switched off, the blade/cylinder assembly can still be moved manually.
- Improper maintenance will lead to malfunction/failure of the product.

SAFETY INFORMATION

Please read these instructions fully before operating or maintaining your machine

- Replace worn or damaged parts for safety. Use only genuine replacement parts and accessories.
- Have the product repaired only by an authorised service centre or similar qualified specialist.
- When the machine is stopped for servicing, inspection, or storage, or to change an accessory, shut off the power source, disconnect the machine from the supply and make sure that all moving parts have come to a complete stop. • Allow the machine to cool before storing or making any inspections and adjustments, etc.
- Maintain the machine with care and keep it clean.
- Empty the catcher before storage.
- Store the machine out of the reach of children.

Vibration and Noise Reduction

- **To reduce the impact of noise and vibration emission, limit the time of operation, use low-vibration and low-noise operating modes as well as wear personal protective equipment.**

Take the following points into account to minimize the vibration and noise exposure risks:

- Only use the product as intended by its design and these instructions.
- Ensure that the product is in good condition and well maintained.
- Use correct application tools for the product and ensure they in good condition.
- Keep tight grip on the handles/gripping surface.
- Maintain this product in accordance with these instructions and keep it

SAFETY INFORMATION

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well lubricated (where appropriate).

- Plan your work schedule to spread any high vibration machine use across a longer period of time.
- Prolonged use of the product exposes the user to vibrations that can cause a range of conditions collectively known as hand-arm vibration syndrome (HAVS) e.g. fingers going white; as well as specific diseases such as carpal tunnel syndrome. To reduce this risk when using the product, always wear protective gloves and keep your hands warm.

Emergency

- **Familiarise yourself with the use of this product by means of this instruction manual.**

Memorise the safety directions and follow them to the letter. This will help to prevent risks and hazards.

- **Always be alert when using this product, so that you can recognise and handle risks early.** Fast intervention can prevent serious injury and damage to property.
- **Switch off and disconnect from the power supply if there is any malfunction.** Have the product checked by a qualified specialist and repaired, if necessary, before you put it into operation again.

Residual Risks

- **Even if you are operating this product in accordance with all the safety requirements, potential risks of injury and**

SAFETY INFORMATION

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damage remain. The following dangers can arise in connection with the structure and design of this product:

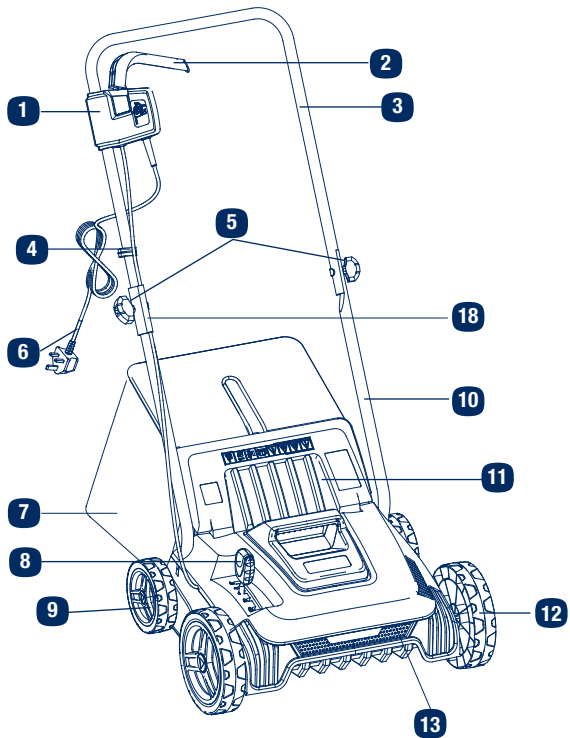
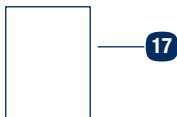
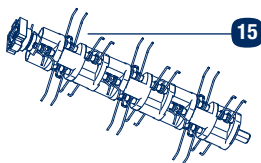
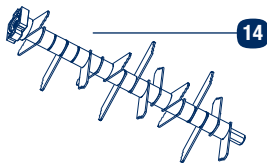
- Health defects resulting from vibration emission if the product is being used over long periods of time or not adequately managed and properly maintained.
- Injuries and damage to property due to broken application tools or the sudden impact of hidden objects during use.
- Danger of injury and property damage caused by flying objects.

IN THE BOX

PARTS

- | | | | |
|---|------------------------|----|---------------------------------|
| 1 | Switch box | 10 | Lower handle |
| 2 | Start/stop lever | 11 | Rear flap |
| 3 | Upper handle | 12 | Front wheel |
| 4 | Cord clip (X2) | 13 | Air vents |
| 5 | Wing nuts (X2) | 14 | Raking blade |
| 6 | Power cord | 15 | Scarifying cylinder |
| 7 | Debris collection bag | 16 | Lower handle fixing screws (X2) |
| 8 | Depth adjustment lever | 17 | Instruction manual |
| 9 | Rear wheel | 18 | Cable protection sleeve |

Raking blade pre-assembled in machine



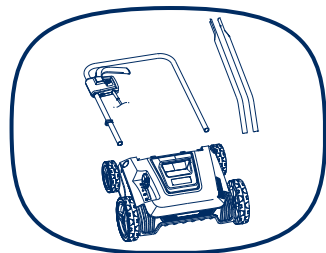
Tools required: PH2 Screwdriver (not supplied)

If there are any parts missing, please call the customer helpline on 0345 605 2067

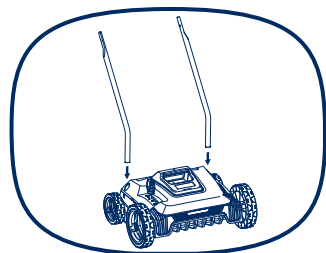
ASSEMBLY

1 Handle Bar Assembly

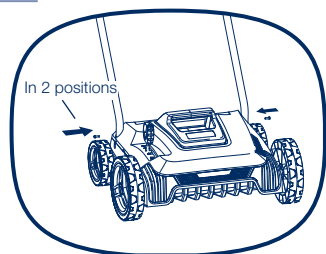
- I. Place the machine on firm ground. Take out handles and handle mounting set.



- II. Locate the lower handles into the hole on deck.

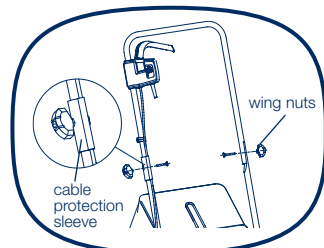


- III. Fix the lower handles with 2 screws in 2 positions.



ASSEMBLY

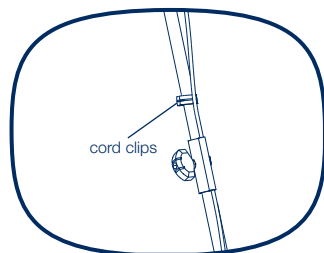
- IV. Make the upper handle cross the cable protection sleeve firstly (only one on switch side), then fit the upper handle, lower handle together firmly by the wing nuts.



WARNING!

Cable protection sleeve can prevent cable damage when you fold upper handles for storage.

- VI. Fix the cord with the cord clips to the handle.



PREPARATION

1 Install correct cutting device

The machine is fitted with a raker blade before delivery.



WARNING!

Please wear PPE and make sure the machine is plugged out before changing the cutting device.

Be careful during adjustment of the machine to prevent entrapment of the fingers between moving tines and fixed parts of the machine.

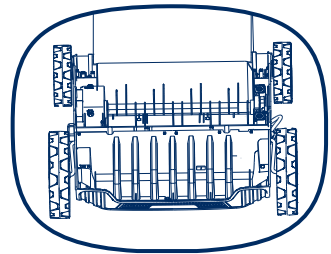
Be aware that, even though the power source is switched off, the blade/cylinder assembly can still be moved manually.

For raking

Correct cutting device is fitted already thus no need for extra installation.

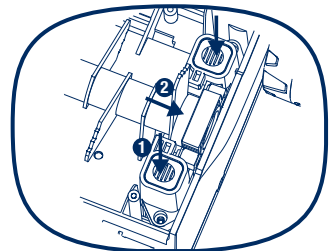
For scarifying

You need to disassemble the raker blade firstly before fitting the scarifying cylinder blade.



2 Disassemble raker blade

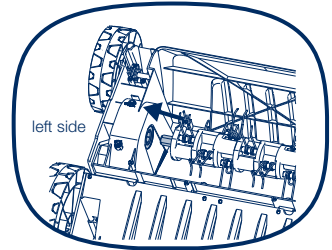
- I. Place the product upside down on a flat stable ground to have access to the under-body.
- II. With one hand press the buttons to the bottom, the other hand push the raker blade out of the seat.



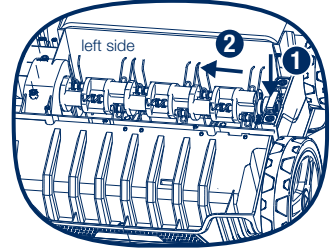
PREPARATION

3 Assemble the scarifying cylinder

I. Align the scarifying cylinder to the hole on left side.



II. Set the scarifying cylinder to the bottom of seat and pull it towards left side in position firmly until you hear a click sound.

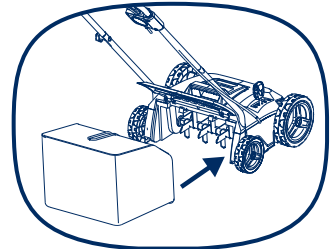


4 Install the debris collection bag

Depending on the work you intend to do, you may need to install the collection bag.

For raking mode there is no need to do so.

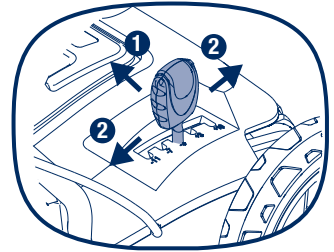
For scarifying mode, just lift the rear deflector guard and attach the collection bag to the rear side of the machine.



PREPARATION

5 Adjust the working depth setting

Adjust the depth according to the needs of your lawn and the condition of the blades/tines.



Scale	Setting	Application
+10	transport	for transportation and storage
+3	Minimal	Scarifying /raking a young or sensitive lawn, removing thin thatch layers, also use this setting when scarifying a second time in the Autumn.
-3	Readjustment	Settings are not recommended until the blades/tines are worn. Depending on the degree of wear, gradually set the blades/tines lower.
-7		
-11		

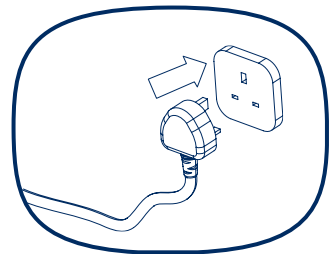


WARNING!

Always switch the product off and pull the mains plug from power supply before any adjustment.

6 Supply the power source

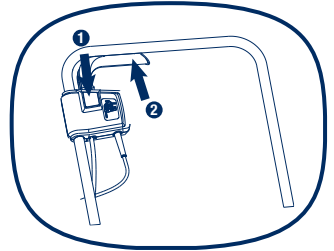
Insert the power cord/plug to the power source before starting to work.



OPERATION

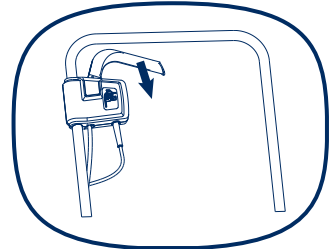
1 Switch on

- I. Press the lock-off button (1).
- II. Pull the start/stop lever (2) towards the handle and hold in position.



2 Switch off

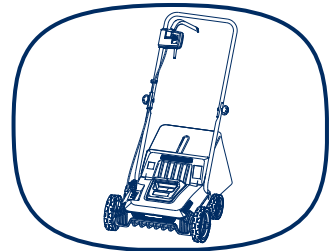
Release the start/stop lever.



3 Scarifying work

Scarifying work is run with scarifying cylinder with blades, you can adjust the working depth by setting the height lever at the required setting.

Consider the weather when scarifying. Scarify the lawn with an increased depth setting between April and May as the lawn is better able to recover during these months. During a wet summer scarify again in late summer with a decreased depth setting. Do not scarify during periods of dry hot weather. During a dry rainless summer do not scarify a second time in autumn.



4 Raking work

Raking work is run with raking cylinder with fine needles, you can adjust the working depth by depth adjustment lever accordingly. In order that a healthy lawn can develop in the spring, it is necessary for greater amounts of air to penetrate the area around the roots of the grass. We recommend raking your lawn every 4 - 6 weeks depending on the state of your lawn.



WARNING! Risk of injury:

- Always keep the extension cable away from the product.
- Always work across slopes where possible.
- Never start the product on a consolidated surface.
- Release the strat/stop lever immediately if the scarifier roll (working roll) becomes blocked by a foreign body.
- If a foreign body gets trapped, check the product and have it repaired if necessary.



NOTE: Overload protection

The overload protection will be activated in the following circumstances:

- A build up of scarified material around cutting device.
- If the material scarified is larger than motor capacity.
- Where there is too much resistance against the cutting device.

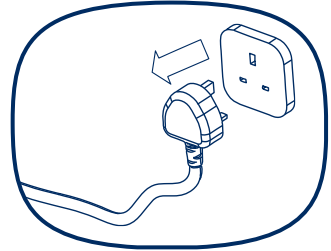
When the circuit breaker has been activated switch off the product and disconnect from the power supply.

Let the product cool down eliminate cause and wait for 5 minutes before using the product again.

OPERATION

5 Disconnect power source

When you finish work, remember disconnect power source.

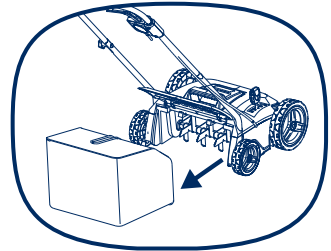


6 Empty debris collection bag

Empty the bag frequently during use. Do not wait until it is completely full.

We recommend emptying it when it is half full.

- I. Lift the deflector guard and pull the bag off the hinges to remove it.
- II. Empty the collected material onto a compost heap and reattach it onto the product.
- III. Re-attach the collection bag by aligning the hooks on the bag to the hinges on the machine



WARNING!

Switch the product off and disconnect it from the power supply, wait that the blade had come to a complete stop before removing the collection bag.

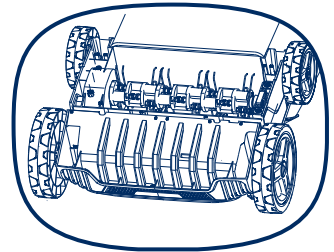
MAINTENANCE

1 Clean machine body

When you have finished using the machine, always clean the deflector guard, handle bars and all main parts with a clean cloth after use.

2 Clean scarifying cylinder (with blades)

Once you have scarified the lawn, always clean the cylinder, blade, plastic body with a clean cloth or soft brush ensuring all residual dirt and sand are removed.

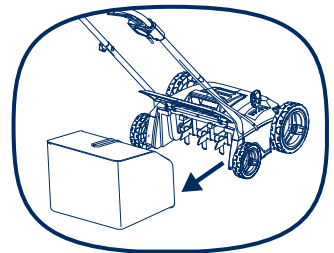


WARNING!

Be aware of sharp edges, blades, etc wearing gloves.

3 Clean raking cylinder (with fine needles)

Once the lawn has been raked, carefully remove any residual grass, moss etc from the metal tines with a dry cloth or brush.



WARNING!

Be aware of sharp edges, needles, etc wearing gloves.

4 Storage

Store your product in a dry place. Clean and oil all the screws after each use to extend the service life of this tool.

TECHNICAL DATA

Model	MCESC&R15
Rated voltage	220-240V~50Hz
Rated power	1500W
Replacement fuse rating	10A
No-load speed	3600/min
Max.cutting width	32cm
Working height setting	5 levels (-11,-7, -3, +3,+10mm)
Grass catcher bag	35L
Vibration	$<2.5\text{m/s}^2$ $K=1.5\text{m/s}^2$
A weighted sound pressure level L_{pA}	$L_{pA}=87\text{dB(A)}$; $K=3\text{dB(A)}$
Measured sound power level L_{WA}	$L_{WA}=100.09\text{dB(A)}$; $K=0.40\text{dB(A)}$
Guaranteed sound power level L_{WA}	101dB(A)
Insulation protection class	II
Degree of protection against water	IPX4
Machine net weight	9.9kg
Cable length	10m

PARTS NUMBER	ACCESSORIES
AAAO041085	Cutting device (scarifying cylinder)
AAAO041086	Cutting device (raking cylinder)
AAAO041020	Handle mounting set



WARNING! Depending on the actual use of the product the vibration values can differ from the declared total! Adopt proper measures to protect yourself against vibration exposures. Take the whole work process including times the product is running under no load or switched off into consideration.

TECHNICAL DATA



Proper measures include among others regular maintenance and care of the product and application tools, keeping hands warm, periodical breaks and proper planning of work processes.

The sound values have been determined according to noise test code given in EN 50636-2-92, using the basic standards EN ISO 11201 and EN ISO 3744.

The noise figures quoted are emission levels and are not necessarily safe working levels. Factors that influence the actual level of exposure of work-force include the characteristics of the work room, the other sources of noise, etc. i.e. the number of machines and other adjacent processes, and the length of time for which an operator is exposed to the noise. Also the permissible exposure level can vary from country. This information, however, will enable the user of the machine to make a better evaluation of the hazard and risk.

Wear hearing protection! The sound intensity level for the operator may exceed 80 dB(A) and ear protection measures are necessary!

Environmental Protection



Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

TROUBLESHOOTING

TROUBLESHOOTING

Suspected malfunctions are often due to causes that the users can fix themselves. Therefore check the product using this section. In most cases the problem can be solved quickly.

WARNING! Only perform the steps described within these instructions! All further inspection, maintenance and repair work must be performed by an authorized service centre or a similarly qualified specialist if you cannot solve the problem yourself!

Problem	Possible cause	Solution
Product does not start	<ul style="list-style-type: none">- Not connected to power supply- Power cord or plug defective- Other electrical defect to the product- Lock-off button not press	<ul style="list-style-type: none">- Connect to power supply- Check by a specialist electrician- Check by a specialist electrician- Press lock-off button first, then the start/stop lever.- Overload protection device activated(wait 5 minutes)
Product does not reach full power	<ul style="list-style-type: none">- Power source(e.g. generator)has to low voltage.- Air vents blocked	<ul style="list-style-type: none">- Connect to another power source- Clean the air vents
Power result	<ul style="list-style-type: none">- Cutting device is dull/damaged- Scarified material exceeds capacity- Scarifying depth is incorrect	<ul style="list-style-type: none">- Replace cutting device- Only scarify materials according to capacity of the product- Adjust depth

WARRANTY

If your device develops a fault, please don't hesitate to contact our customer service department on 0345 605 2067, we aim to solve 80% of problems via the phone.

1. These warranty terms cover additional warranty rights and do not affect your statutory warranty rights. All our products are covered by a 3 year manufacturer warranty.
2. Claims must be accompanied by proof of purchase. This must be in the form of a sales receipt or bank statement and must show that the product has been purchased within the warranty period as described under point 1, from the retailer that it was originally bought from. Please keep your receipt safe or staple it to the back of this manual for future reference.
3. Our warranty covers problems caused by material or manufacturing defects, and will result in the repair of these defects or replacement of the device with a like for like or similar article.
4. Our devices have not been designed for commercial, trade or industrial applications, any signs of use of the equipment in these application or equivalent activities, invalidates the warranty.
5. The following are also excluded from our warranty:
 - A. Faults due to accidents, customer misuse or unauthorized repairs
 - B. Consumable Parts such as cutting device (scarifying cylinder), cutting device (raking cylinder) and other accessories that are compatible with the product.
 - C. Failure due to lack of routine maintenance.
 - D. Failure as a result of not using the equipment in accordance with the manual and safety instructions.

Warranty claims should be submitted before the end of the warranty period, see point 1, but a paid service exists for repairs commissioned after this period. The original warranty period remains applicable to the device even if repairs are carried out or parts are replaced. In such cases, the work performed or parts fitted will not result in an extension of the warranty period, and no new warranty will become active for the work performed or parts fitted.

If you have any problems or questions concerning your garden machine, please contact our after sales service at 0345 605 2067.

This device may be re-conditioned, like for like or upgraded replacement.