

# aerotek

## 40V Lawn Mower

### Instruction Manual

#### After Sales Support

Call 0871 911 7027

Email [customerservice@aero-tek.co.uk](mailto:customerservice@aero-tek.co.uk)

Product Code: G0663

Thank you for purchasing this product, which has been made to demanding high quality standards and is guaranteed for domestic use against manufacturing faults for a period of 24 months from date of purchase



For correct usage, read these instructions carefully and keep in a safe place for future reference



## INTRODUCTION

### Congratulations

**You have made an excellent choice with the purchase of this quality aerotek product.**

**By doing so you now have the assurance and peace of mind which comes from purchasing a product that has been manufactured to the highest standards, performance and safety.**

**We want you to be completely satisfied with your purchase so this aerotek is backed by our full 24 month manufacturers guarantee and an outstanding after sales service through our dedicated Helpline.**

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

V.1JB1-11-16

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Also available to purchase are the following:

|                                  |       |
|----------------------------------|-------|
| Replacement blade                | G0664 |
| Additional 40 Volt battery       | G0665 |
| Additional charger               | G0666 |
| Replacement grass collection bag | G0667 |

To order please contact our dedicated customer service team on 0871 911 7027 and quote the code for the item required. Or visit our website, [www.aero-tek.co.uk](http://www.aero-tek.co.uk)











### Safety information and general warnings

- Improper use of this mower may lead to injury. Use the mower only for its intended purpose.
- Keep all parts of the body away from the cutting blades. Do not attempt to remove material you have cut or hold material that is being cut when the power is on.
- Make sure the power is off with the safety key removed before clearing any jammed material it is important that total concentration is observed failing to do so could result in serious personal injury.
- Always push the mower by the handle with the power off to avoid personal injury.
- Before commencing ensure that your surroundings are clear of any obstacles including fallen branches and anything that you may trip on.
- Always keep your work area clear during the task being undertaken.
- Ensure that bystanders especially children are kept at a safe distance from the working area.
- Use personal protection equipment wear eye protection a dust mask, in appropriate conditions this will reduce the possibility of personal injuries.
- Never wear loose clothing shorts or jewellery whilst using the tools and wear closed solid shoes or preferably boots with good grip.
- Do not over reach. Always keep a firm footing and maintain your balance during operation, always distribute the weight evenly on your body and reduce the possibility of strain.
- Do not use this tool in rain or wet conditions that could make the working area slippery.

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- Do not use the mower where flammable materials such as gases liquids or dry dusty environments, the operation of the tools create sparks which ignite these elements. Check the area before commencing.
- Do not use the mower if the switch fails to turn it on and off. Any machine that cannot be controlled with its switch is potentially dangerous and must be checked by a qualified electrician and repaired if necessary.
- Store idle power tools out of reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- Prevent any unintentional starting, ensuring the battery is out and the safety key is removed when not in use or moving the mower to the work area.
- Maintain the tools by regularly checking all parts. Also check for any damage to the blade before and after every use. Any identified damage requires repair before use as many accidents are caused by poorly maintained tools and equipment.
- Keep the mower blade cutting surfaces clean and sharp. Well maintained and sharp cutting edges are less likely to bind and are easier to control.
- Have your mower serviced regularly by a qualified specialist.
- Children should be supervised to ensure that they do not play with the mower.
- Do not use power tools while you are tired or under the influence of drugs alcohol or medication.
- Use the power tool, accessories and components in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the mower for operations different from those intended could result in a hazardous situation.
- This product is only to be used for cutting grass around your house. Any other usage, which is not declared in this manual can damage the device and cause serious danger to the users. It is designed for use by adults.
- The use of electric mowers in rain or humid environments is not recommended the manufacturer is not liable for any damage because of the usage against its original functions or incorrect operation.
- To prevent the risk of electric shock, protect mowers electric parts from rain and moisture.
- Recharge the battery only with the charger provided. A charger that is suitable for one type of battery may create risk of fire when used with another battery.
- The supplied battery charger is only suitable for charging the mowers battery, and to prevent the risk of fire and explosion must not be used for charging any other product.
- Before each use, check the battery charger, cable and plug for signs of damage. If the battery charger is damaged, do not use it or try to repair it, instead take it to your local qualified specialist.
- To prevent the risk of fire, do not operate the battery charger on flammable surfaces (e.g. paper, textiles etc.) or in combustible environments.

### Safety symbols and their meaning

| SYMBOL  | MEANING   |
|---|---|
|    | Precautions required that involve your safety.  |
|    | To reduce the risk of injury, users must read and understand user's manual before using this product.                   |
|    | Wear gloves, eye and head protection when operating this equipment.   |
|    | Do not expose machine to rain or wet conditions.  |
|   | Pay attention that bystanders are not injured through foreign objects thrown from the mower.                            |
|  | Keep all bystanders (especially children and pets) at least 15 metres away from the work area.                          |
|  | Keep hands and feet away from blade and cutting area.   |
|  | Switch off and remove isolator key before adjusting, cleaning and before leaving the product unattended for any period. |
|  | Do not operate on inclines greater than 15°. Mow across the face of slopes, never up and down.                          |
|  | Beware of electric shock hazard.  |



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|   |   |
|---|---|
|  | Wait for all components of machine to have completely stopped before touching them. |
|  | The charger is intended for indoor use only.  |

The following signal words and meanings are intended to explain the levels of risk associated with this product.

| SYMBOL  | SIGNAL         | MEANING   |
|---|----------------|---|
|  | <b>DANGER</b>  | Indicates an imminently or potentially hazardous situation which, if not avoided may result in a possible serious injury. |
|   | <b>CAUTION</b> | (Without Safety Alert Symbol) Indicates a situation that may result in property damage.                                   |

### Battery use and care

- Make sure the power rating on the charger plug matches the outlet.
- Never modify the charger plug in any way.
- Do not use any adaptor plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce the risk of electric shock.
- Never use the power cable for carrying, pulling or unplugging the charger.
- Never expose the battery charger or plug to damp or wet environments.
- When you are not using the mower or charger store in a safe dry place.
- Never leave a battery unattended when charging.

Your battery should be fully charged when you receive your mower, but you should always follow the charging procedure.

### Charging the battery

Check that your mains voltage is the same as that marked on the rating plate of the battery charger. Connect the battery to the charging unit.

Plug the battery charger in a power socket. The red LED, will come on to indicate that charging is underway. It will then turn green and continue flashing until fully charged. There is a power reserve button on the battery that if pressed when charging will stop on the amount of power in the battery. If pressed when being used in the mower will indicate the level of power still remaining. If there are 4 green lights then the battery has full power. As the power is used the lights will go off one by one.

When on the last green light, the battery should be fully charged before continuing to use the mower. See images below.

A low battery pack requires a maximum charging period of 2 hours. The temperature of the battery may rise slightly during the charging operation. This is normal.



As soon as battery fully charged, the LED will stay green.

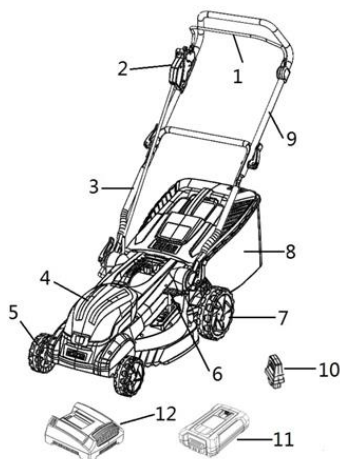
If the LED light does not come on or the battery fails to charge, check whether there is voltage at the socket.

Regular recharging of the battery is advised to maintain full power. Recharging is necessary when you notice a drop in the mowers performance.

Never allow the battery to become fully discharged. This may cause a fault to develop.

### Parts description

- |                            |                      |
|----------------------------|----------------------|
| 1. Handle on /off switch   | 7. Rear wheel        |
| 2. Safety lock-out button  | 8. Grass catcher bag |
| 3. Lower handle            | 9. Upper handle      |
| 4. Battery location door   | 10. Safety key       |
| 5. Front wheel             | 11. Battery          |
| 6. Height adjustment lever | 12. Charger          |



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## Assembly

Carefully remove the product and any accessories from the box. Make sure that all items listed in the packing list are included.

Inspect the product carefully to make sure no breakage or damage occurred during shipping.

Do not discard the packing material until you have carefully inspected and satisfactorily operated the product.

If any parts are damaged or missing do not operate this product until the parts are replaced. Using a product with damaged or missing parts could result in serious personal injury.

Do not insert key until assembly is complete and you are ready to mow. Failure to comply could result in accidental starting and possible serious personal injury.

To prevent accidental starting that could cause serious personal injury, always remove the battery pack from the product when assembling parts.

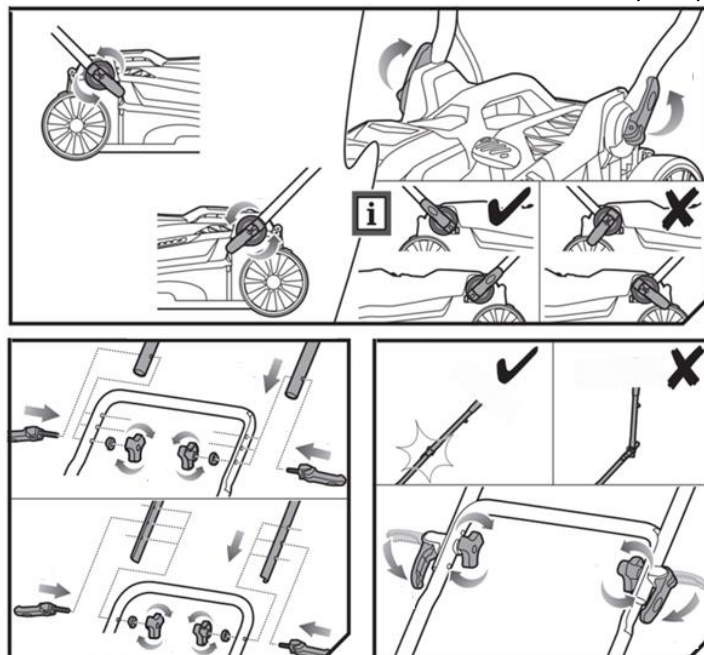
**CAUTION:** Never operate the mower without the proper safety devices in place and working. Never operate the mower with damaged safety devices. Operation of this product with damaged or missing parts could result in serious personal injury.

### Unfolding and adjusting handles. See images below

Pull up and back on the upper handle to raise the handle into operating position. Make certain the handles snap into place securely.

Tighten the lower handle with the cam locks on both sides, make sure they are parallel as below.

Tighten the upper handle with the cam locks on both sides, make sure they are parallel as below.



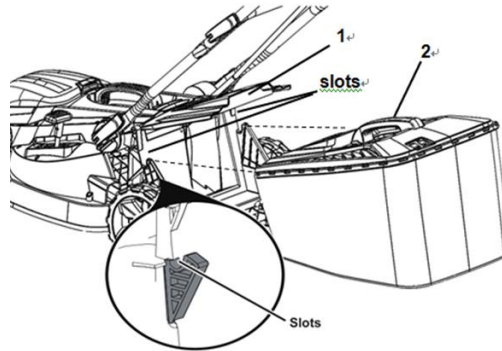


## Installing the grass catcher bag

Lift the cover (1).

Lift the grass catcher by its handle (2) and place under the chute cover so that the hooks on the grass catcher frame are seated into the slots in the handle bracket.

Release the cover. When installed correctly, the hooks on the grass catcher will rest securely in the slots on the rear of the mower.



## Usage

### Inserting the battery

Lift and hold the battery door open.

Position the battery pack near to its location on the mower. Align guided ribs on battery pack with grooves in the product's battery port and slide downwards.

Make sure the latch on bottom of the battery pack snaps in place and that battery pack is fully seated and secure in the product before beginning operation.

Insert the safety key.

If the machine is not going to be used immediately, do not insert the key.

Close the door.

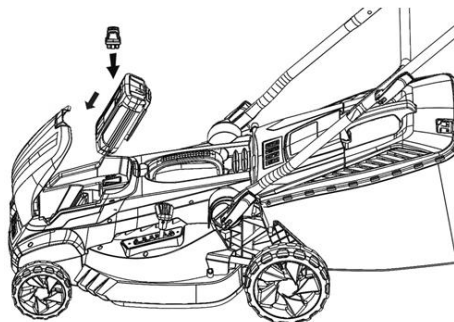
### Removing the battery

Release the power lever to stop the mower.

Remove the key.

Press and hold the battery latch button at the bottom of the battery pack.

Remove battery pack from the mower.



### To start the mower

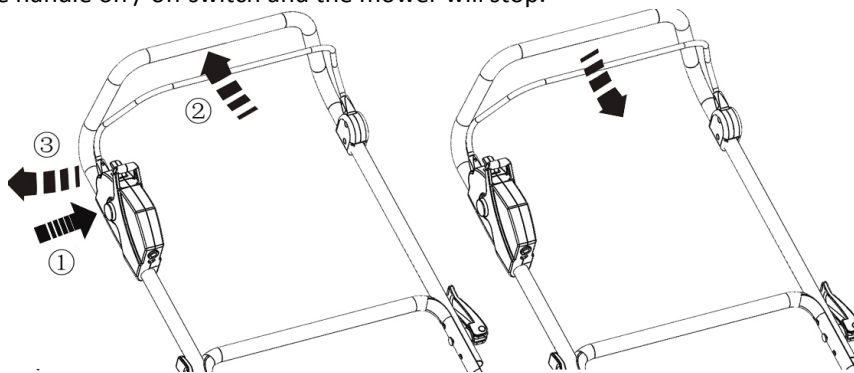
Open the battery door and insert the key into the slot.

Press and hold the safety lock-out button see (1).

Pull the handle on / off switch see (2) upwards to the handle to start the mower and release the lock-out button see (3).

### To stop the mower

Release the handle on / off switch and the mower will stop.



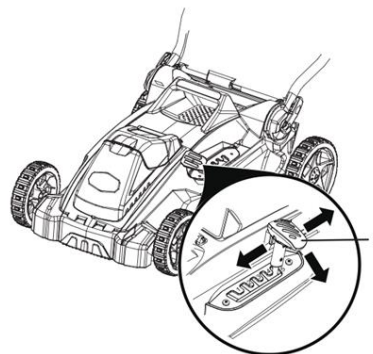
### Cutting height adjustment

When packed, the wheels on the mower are set to a low-cutting position. Before using the mower for the first time, raise the cutting position to the height best suited for your lawn. The average lawn should be between 1 1/2" to 2" (3.8 to 5 cm) during cool months and between 2" and 3 1/2" (5 cm to 8.3 cm) during hot months.

### To adjust the blade height

To raise the blade height, grasp the height adjustment lever see image below and move it toward the back of the mower.

To lower the blade height, grasp the height adjustment lever and move it toward the front of the mower.



### Emptying the grass collection bag

Stop the mower, allow blades to completely stop, and remove key.

Lift the cover.

Lift the grass catcher bag by its handle to remove from mower.

Empty grass clippings.

Lift the cover and reinstall the grass catcher bag.



### Mowing tips



**Note** : A sharp blade will greatly enhance the performance of the mower, especially when cutting high grass. Be sure to check the blade and to sharpen it at least once per year or take it to your local gardening supplier.

Make sure that the lawn is free of stones, sticks, wires, and other objects that could damage the blades or the motor. These objects could be accidentally thrown by the mower in any direction, and could cause serious personal injury to the operator and to others. In order to prevent electric shock, do not operate the mower in damp or wet conditions.

Do not mow in circles. Travel back and forth across the lawn.

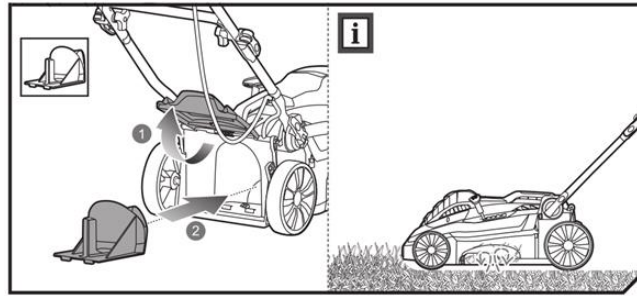
When cutting thick grass, reduce walking speed in order to allow for a more effective cut and a proper discharge of the clippings.

For a healthy lawn, always cut off one-third or less of the total length of the grass. The average lawn should be approximately 1 ½ to 2" (3.8 to 5 cm) long during cool months, and between 2" to 3 ¼" (5 cm to 8.3 cm) long during hot months. If there is growth, the lawn can be cut in the autumn but not too short.

### Mulching

Allowing the grass cuttings to lay on the surface of the lawn can be beneficial and act as a natural food. Remove the grass collection bag and fit the mulching attachment into its location as show in the image below steps (1) and (2), this will deflect the clippings downwards. Set mower to the highest cutting height when mowing on uneven ground or in tall weeds.





**⚠ Note:** Release the switch to turn the mower off when crossing any gravelled area (stones can be thrown by the blade).

For effective mulching, do not cut wet grass, because it tends to stick to the underside of the deck, preventing proper mulching of grass clippings. New or thick grass may require a narrower cut. The ground speed should be adjusted to the condition of the lawn. If mowing has been delayed and the grass has been allowed to grow longer than 4" (10 cm), mow the lawn twice in order to reduce the grass height to a maximum of 3 ¼" (8.3 cm).

Walk at a steady pace. Overlap the cutting rows. Do not let the grass get too tall. If the grass gets too long, start at the highest cutting position and work down to the desired cutting height.

## Care and Maintenance

Removing and replacing the cutting blade

**⚠ WARNING:** Always protect your hands by wearing heavy gloves and /or wrapping the cutting edges with rags or other materials when performing any maintenance on the blades. ALWAYS remove the key when servicing or transporting the mower. Use only a replacement blade suitable for the mower.

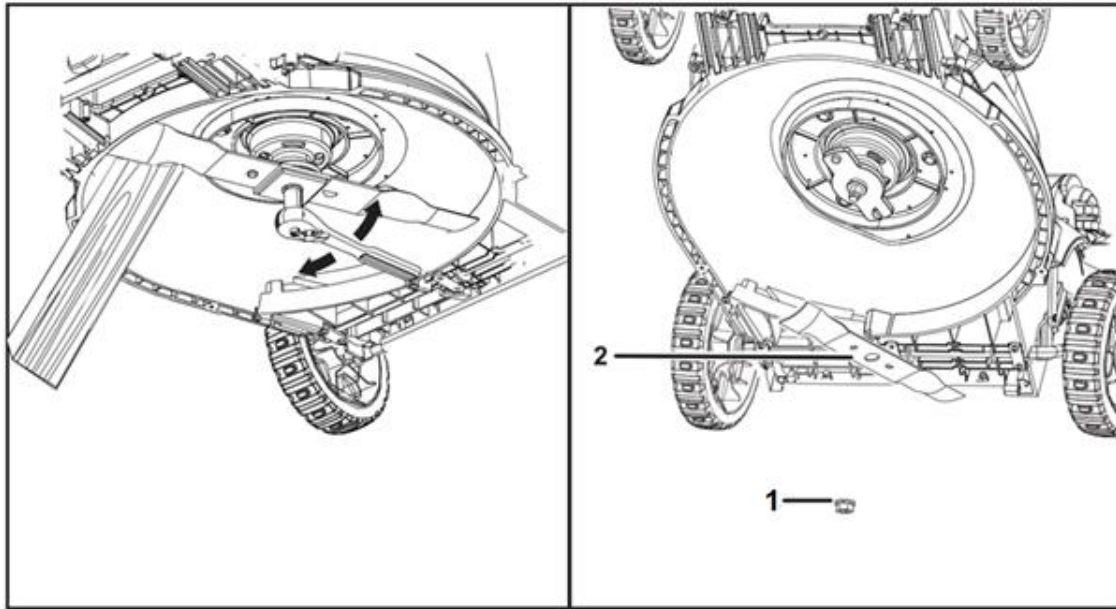
### Removing the blade

While wearing gloves, wedge a block of wood between the blade and the mower deck in order to prevent the blade from turning when the nut is being removed.

Using a 12mm wrench or socket, loosen the blade nut (1) and remove the blade (2). Turn the nut anticlockwise to loosen it and clockwise to tighten.

Remove the blade.

To re-install the blade, position the blade with the cutting edges toward the ground making sure that the 2 holes locate with the 2 protrusions on the plastic insulator section. Assemble the blade nut and the insulator section as shown below. Using a 12mm socket or wrench, turn the blade nut clockwise to secure the blade.



### Cleaning the mower

**⚠ WARNING:** In order to reduce the risk of electric shock, do not expose the mower to water. The underside of the mower deck should be cleaned using a stiff brush after each use, because grass clippings, leaves, dirt, and other debris will accumulate, which will cause rust and corrosion. Remove any build-up of grass and leaves on or around the motor cover using a stiff brush (do not use water).

Occasionally wipe the mower clean with a dry cloth. If debris builds up on the underside of the mower during use, stop the motor, disconnect it from the battery, and then tilt the mower forward or on its side, and scrape it clean using a plastic scraper and stiff brush.

### Storing the mower

The following steps should be taken in order to prepare the lawn mower for storage.

Clean the mower as described in the previous section.

Inspect the blade, and replace or sharpen it, if required.

Lubricate the mower.

Store the mower in a dry, clean location. Do not store it next to corrosive materials, such as fertilizer or rock salt.

Store the mower indoors, in a cool, dry place, out of the reach of children. Do not cover the lawn mower with a solid plastic sheet. Plastic coverings trap moisture around the mower, which causes rust and corrosion.

## Troubleshooting

| PROBLEM                                     | POSSIBLE CAUSE  | POSSIBLE SOLUTION   |
|---|---|---|
| The mower does not start.                   | The battery is not charged.   | Charge the battery.   |
|   | The switch is defective.  | Call the Customer Service team if still under guarantee. Alternatively seek professional support of a qualified repairer. |
|   | Grass jammed at blade.  | Remove battery and safety key and check under deck for jams.  |
|   | The battery is not attached to the motor.                               | Check the connection between the motor connector and the battery and remove any debris.                                   |
|   | Battery may require service or replacement.                             | Replace battery   |
|   | Key is not installed.   | Insert the key.   |
| The mower cuts the grass unevenly.          | The lawn is rough or uneven.  | Check the mowing area.  |
|   | The cutting height is not set properly.                                 | Move the wheels to a higher setting.  |
| The mower does not mulch properly.          | Wet grass clippings are sticking to the underside of the deck.          | Wait until the grass dries before mowing.   |
|   | The mulching plug is missing.   | Install the mulching plug.  |
| The mower is hard to push.                  | The grass is too tall, or the cutting height is too low.                | Raise the cutting height.   |
|   | The rear of the mower housing and the blade is dragging in thick grass. | Empty the grass clippings from the grass catcher bag to lighten it.   |
| The mower is excessively noisy and vibrates | The motor shaft is bent   | Stop the motor and remove the battery, inspect for damage. If required seek professional advice.                          |
|   | The blade is unbalanced and may not be positioned correctly.            | Re-set the blade before restarting.   |

**Specification**

|                    |                     |
|--------------------|---------------------|
| Voltage            | 40V DC              |
| Battery capacity   | Li-ion 4,0Ah        |
| No Load Speed      | 3600 rpm            |
| Cutting width      | 400 mm              |
| Height adjustments | 25-75cm (6 central) |
| Charge time        | 150 minutes         |

### Plug Wiring

**These safety instructions should be read carefully and kept in safe place for future reference.**

This appliance is fitted with a plug that complies with BS 1363. Only high quality 13A (square pin) plugs that comply with this standard should be fitted.

Wires are coloured as follows:

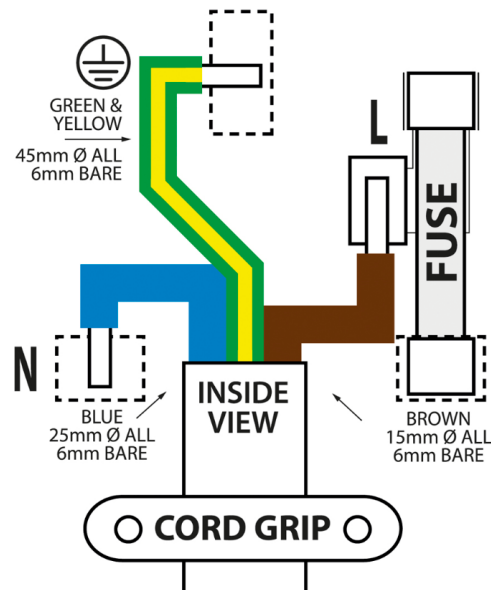
Brown – Live

Blue – Neutral

Yellow & Green – Earth

If the appliance is fitted with a 2-core cable it is double insulated and will not have the yellow and green earth wire.

**IT IS ESSENTIAL THAT WIRES ARE ATTACHED ONLY TO THEIR DESIGNATED POSITIONS IN THE PLUG**



**Fuses must be replaced with the same rating as the original; please refer to the fuse rating stated on the plug for this information. Only genuine fuses compliant with BS 1362 should be used.**



## Declaration of Conformity

**In accordance with EN ISO 17050-1:2010**

We BVG Group Ltd

of Unit 6, Industrial Estate, Brecon, Powys, LD3 8LA, UK

*in accordance to the following Directives and Regulations:*

|            |   |
|------------|---|
| 2006/42/EC | The Machinery Directive                       |
| 2014/30/EU | The Electromagnetic Compatibility Directive   |
| 2011/65/EU | Restriction of Hazardous Substances Directive |
| 2013/56/EU | The Battery Directive                         |
| 2014/35/EU | The Low Voltage Directive                     |

*hereby declare that:*

|              |                            |
|--------------|----------------------------|
| Equipment    | Battery Operated Lawnmower |
| Model number | G0663 / LMA36              |

*is in conformity with the applicable requirements of the following documents*

Ref. No.

EN 55014-1:2006+A1:2009+A2:2011; EN 55022:2010+A1:2008+A2:2011; EN 55014-2:1997+A1:2001+A2:2008;  
EN 61000-4-2:2009; EN 61000-4-3:2006+A1:2008+A2:2010; EN 60335-1:2012+A11:2014, EN 60335-2-77:2010,  
EN 62233:2008, EN 55014-1:2006+A1:2009+A2:2011, EN 55014-2:2015

I hereby declare that the equipment named above has been designed to comply with the relevant sections of the above referenced specifications and is in accordance with the requirements of the Directives.



Signed by:



Mr Dan Price  
Managing Director  
BVG Group Ltd  
January 2017



The technical documentation for the machinery is available from:  
Unit 6 Industrial Estate, Brecon, Powys, LD3 8LA

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**GUARANTEE****IMPORTANT**

**Please do not return this product without first calling the Customer Service number below:**

**0871 911 7027**

Thank you for purchasing this product, which has been made to demanding high quality standards and is guaranteed for domestic use against manufacturing faults for a period of 24 months from the date of purchase.

This guarantee does not affect your statutory rights. If your product fails due to a defect in material or workmanship during this period, please return it to the place of purchase. Normal wear and tear is not covered under the guarantee.

Any guarantee is invalid if the product has been misused or subject to neglect or an attempted repair other than by our own service centre.

Due to continuous product improvement, we reserve the right to change the product specification without prior notice.

**After Sales Customer Service:**

Telephone: 0871 911 7027

E-mail [customerservice@aero-tek.co.uk](mailto:customerservice@aero-tek.co.uk)



Please retain for future reference.

Colours and contents may vary.

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.

**Please note that all products with the symbol below must be recycled.**



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