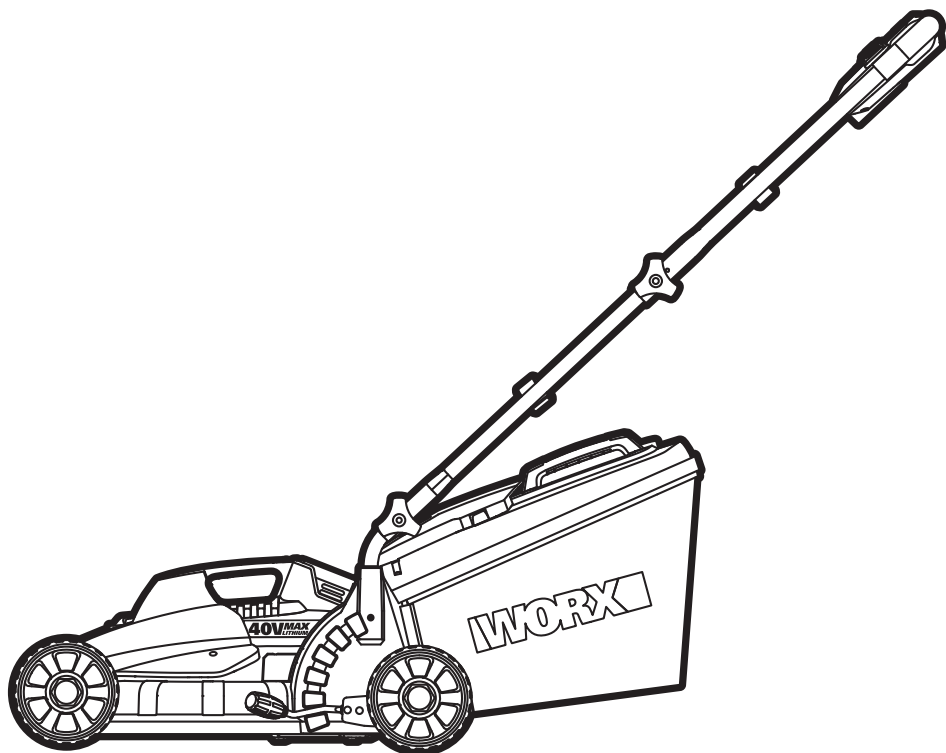


# **WORX**



**40V MAX**  
*LITHIUM*

**SAFETY AND OPERATING MANUAL**  
**ORIGINAL INSTRUCTIONS**

**Cordless Lawn Mower WG776E WG776E.9**

# PRODUCT SAFETY

## GENERAL POWER TOOL

### SAFETY WARNINGS



**WARNING! Read all safety warnings and all instructions.**

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

**Carefully read the instructions for the safe operation of the machine.**

**Save all warnings and instructions for future reference.**

- This appliance 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 appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- The appliance is only to be used with the power supply unit provided with the appliance.

2

#### **IMPORTANT**

**READ CAREFULLY BEFORE USE**  
**KEEP FOR FUTURE REFERENCE**

**Safe operation practices**  
**TRAINING**

- a) Read the instructions carefully. Be familiar with the controls and the proper use of the equipment;
- b) Never allow children or people unfamiliar with these instructions to use the lawnmower. Local regulations can restrict the age of the operator;
- c) Never mow while people, especially children, or pets are nearby;
- d) Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.

#### **PREPARATION**

- a) While mowing, always wear substantial footwear and long trousers. Do not operate the equipment when barefoot or wearing open sandals;

- b) thoroughly inspect the area where the equipment is to be used and remove all objects which can be thrown by the machine;
- c) Before using, always visually inspect to see that the blades, blade bolts and cutter assembly are not worn or damaged. Replace worn or damaged blades and bolts in sets to preserve balance;
- d) On multi-bladed machines, take care as rotating one blade can cause other blades to rotate.

#### **OPERATION**

- a) mow only in daylight or in good artificial light;
- b) avoid operating the equipment in wet grass, where feasible;
- c) always be sure of your footing on slopes;
- d) walk, never run;
- e) for wheeled rotary machines, mow across the face of slopes, never up and down;
- f) exercise extreme caution when changing direction on slopes;
- g) do not mow excessively steep slopes;
- h) use extreme caution when reversing or pulling the lawnmower towards you;
- i) stop the blade(s) if the lawnmower has to be tilted for transportation when crossing surfaces other than grass, and when transporting the lawnmower to and from the area to be mowed;
- j) never operate the lawnmower with defective guards, or without safety devices, for example deflectors and/or grass catchers, in place;
- k) switch on the motor carefully according to instructions and with feet well away from the blade(s);
- l) do not tilt the lawnmower when switching on the motor, except if the lawnmower has to be tilted for starting. In this case, do not tilt it more than absolutely necessary and lift only the part which is away from the operator;
- m) do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times;
- n) not to touch the blades before the disabling device has been removed and

- the blades have come to a complete stop;
- o) Do not start the lawnmower when standing in front of the discharge opening.
  - p) Do not transport the lawnmower while the power source is running.
  - q) Stop the lawnmower, and remove the disabling device. Make sure that all moving parts have come to a complete stop.
    - whenever leaving the machine unattended,
    - before clearing a blockage,
    - before checking, cleaning or working on the machine,
    - after striking a foreign object. Inspect the machine for damage and make repairs before restarting and operating the lawnmower
- If the lawnmower starts to vibrate abnormally (check immediately)
- inspect for damage.
  - replace or repair any damaged parts.
  - check and tighten any loose parts.

### **MAINTENANCE AND STORAGE**

- a) Keep all nuts, bolts and screws tight to be sure the equipment is in safe working condition;
- b) Check the grass catcher frequently for wear or deterioration;
- c) Replace worn or damaged parts for safety. Use only genuine replacement parts and accessories.
- d) Be careful during adjusting of the lawnmower to prevent entrapment of the fingers between moving blades and fixed parts of the lawnmower.
- e) Always allow the lawnmower to cool down before storing.
- f) When servicing the blades be aware that, even though the power source is switched off, the blades can still be moved.

## **SAFETY WARNINGS FOR BATTERY PACK**

- a) **Do not dismantle, open or shred cells or battery pack.**
- b) **Do not short-circuit a battery pack. Do not store battery packs haphazardly in a box or drawer where they may**

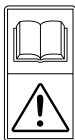
**short-circuit each other or be short-circuited by conductive materials.** When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.

- c) **Do not expose battery pack to heat or fire. Avoid storage in direct sunlight.**
- d) **Do not subject battery pack to mechanical shock.**
- e) **In the event of battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.**
- f) **Seek medical advice immediately if a cell or battery pack has been swallowed.**
- g) **Keep battery pack clean and dry.**
- h) **Wipe the battery pack terminals with a clean dry cloth if they become dirty.**
- i) **Battery pack needs to be charged before use. Always refer to this instruction and use the correct charging procedure.**
- j) **Do not maintain battery pack on charge when not in use.**
- k) **After extended periods of storage, it may be necessary to charge and discharge the battery pack several times to obtain maximum performance.**
- l) **Battery pack gives its best performance when it is operated at normal room temperature (20°C±5°C).**
- m) **When disposing of battery packs, keep battery packs of different electrochemical systems separate from each other.**
- n) **Recharge only with the charger specified by WORX. Do not use any charger other than that specifically provided for use with the equipment.**

A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.

- o) Do not use any battery pack which is not designed for use with the equipment.**
- p) Keep battery pack out of the reach of children.**
- q) Retain the original product literature for future reference.**
- r) Remove the battery from the equipment when not in use.**
- s) Dispose of properly.**

## SYMBOLS



Read instruction handbook before operation this machine



Only use the battery charger indoors



Keep bystanders away



Beware of sharp blades. Blades continue to rotate after the motor is switched off- Remove disabling device before maintenance



Do not expose to rain or water



Do not burn



Li-Ion

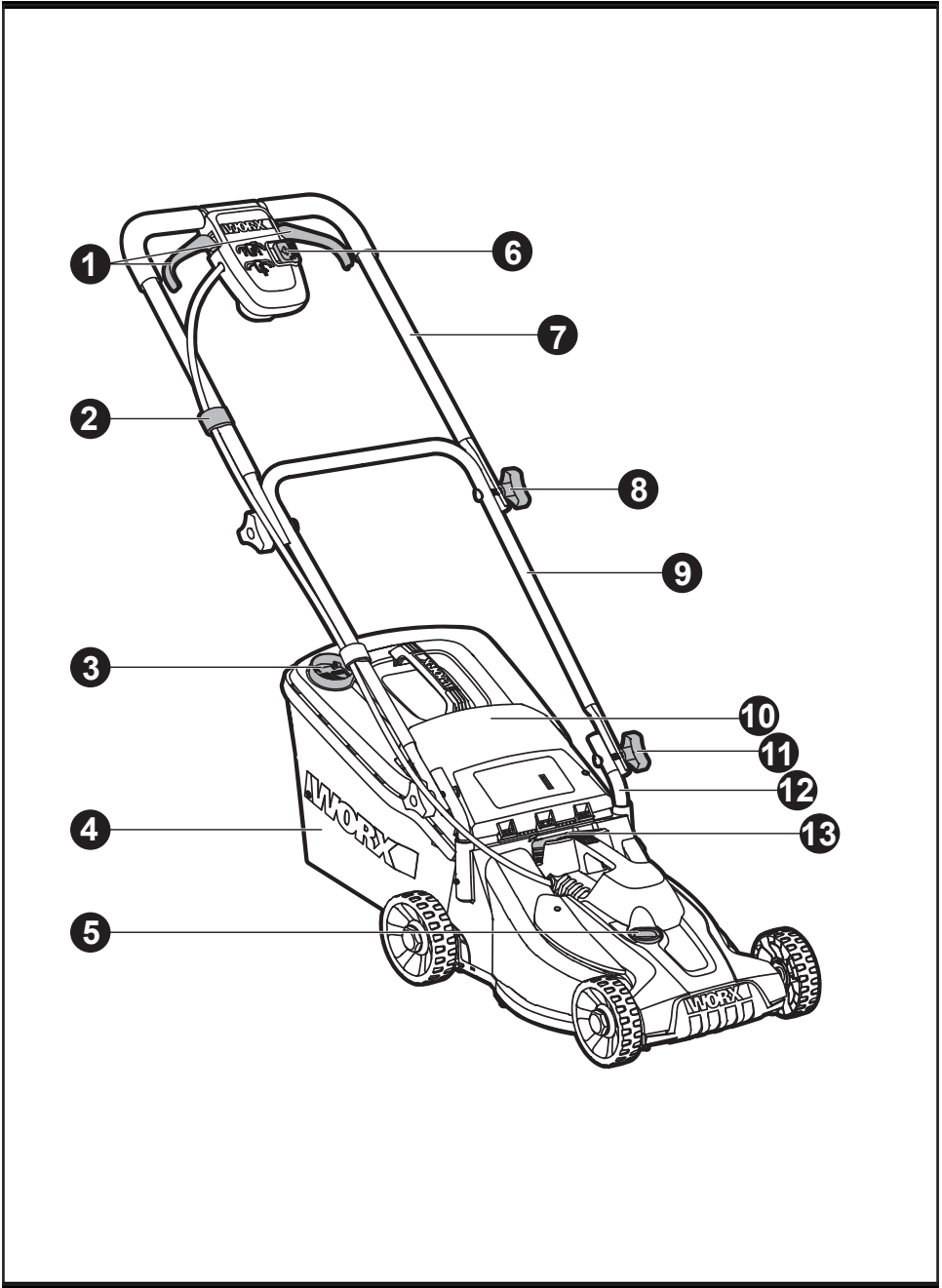
Do not dispose of batteries. Return exhausted batteries to your local collection or recycling point.



Waste electrical products must not be disposed of with household waste. Please recycle where facilities exist. Check with your local authorities or retailer for recycling advice.



**xINR18/65-y:** Cylindrical lithium ion battery cells with max diameter of 18mm and max height of 65mm; "x" represents a number cells serial connected, blank if 1; "-y" represents a number of cells paralleled connected, blank if 1.



**Cordless Lawn Mower WG776E WG776E.9**

- 
- 1. SWITCH LEVER**

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  - 2. CABLE CLIP**

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  - 3. GRASS BAG FILLING INDICATOR**

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  - 4. GRASS COLLECTION BAG**

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  - 5. WORK MODE DIAL**

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  - 6. SAFETY KEY**

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  - 7. UPPER HANDLE**

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  - 8. HANDLE KNOB, UPPER**

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  - 9. MIDDLE HANDLE**

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  - 10. SAFETY FLAP**

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  - 11. HANDLE KNOB, LOWER**

---

  - 12. LOWER HANDLE**

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  - 13. BATTERY PACK\***

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  - 14. BLADE BOLT (See Fig. M1)**

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  - 15. BLADE (See Fig. M1)**
- 

**\* Not all the accessories illustrated or described are included in standard delivery.**

# TECHNICAL DATA

Type **WG776E WG776E.9 (770-789-designation of machinery, representative of Cordless Lawn Mower)**

Model No.	WG776E	WG776E.9
Voltage	40V $\overline{=}$ Max*	
Cutting diameter	33cm	
Cutting height	20-60mm	
Cutting height positions	5	
Grass collection capacity	30L	
Battery capacity	2Ah	/
Battery type	Lithium-Ion	/
Battery Model	WA3536	/
Charging time	1 hr	/
Charger Model	WA3735	/
Charger rating	Input: AC 100-240V~ 50/60Hz Output: 40V DC, 2.0A	/
Machine Weight	12kg	11kg

\*Voltage measured without workload. Initial battery voltage reaches maximum of 40 volts. Nominal voltage is 36 volts.

## NOISE DATA

A weighted sound pressure	$L_{pA}$ : 77dB (A) – TURBO mode $K_{pA}$ : 3dB(A) $L_{pA}$ : 67dB(A) – QUIET mode $K_{pA}$ : 3dB(A)
A weighted sound power	$L_{wA}$ : 88dB(A)
Wear ear protection when sound pressure is over	80dB(A)




## VIBRATION INFORMATION

Typical weighted vibration	$a_h$ = 3.4 m/s <sup>2</sup>
	uncertainty K=1.5m/s <sup>2</sup>

**⚠ WARNING:** The vibration emission value during actual use of the power tool can differ from the declared value depending on the ways in which the tool is used dependant on the following examples and other variations on how the tool is used:  
How the tool is used and the materials being cut or drilled.  
The tool being in good condition and well maintained

Using the correct accessory for the tool and ensuring it is sharp and in good condition.  
The tightness of the grip on the handles and if any anti vibration accessories are used.  
And the tool is being used as intended by its design and these instructions.

**This tool may cause hand-arm vibration syndrome if its use is not adequately managed**

 **WARNING:** To be accurate, an estimation of exposure level in the actual conditions of use should also take account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle but not actually doing the job. This may significantly reduce the exposure level over the total working period.

Helping to minimise your vibration exposure risk.

ALWAYS use sharp chisels, drills and blades

Maintain this tool in accordance with these instructions and keep well lubricated (where appropriate)

If the tool is to be used regularly then invest in anti vibration accessories.

Avoid using tools in temperatures of 10°C or less

Plan your work schedule to spread any high vibration tool use across a number of days.

## ACCESSORIES

	<b>WG776E</b>	<b>WG776E.9</b>
Battery pack	1	/
Charger	1	/
8 Grass collection bag	1	1


We recommend that you purchase your accessories from the same store that sold you the tool. Refer to the accessory packaging for further details. Store personnel can assist you and offer advice.



## INTENDED USE

This product is intended for domestic lawn mowing.

## ASSEMBLY

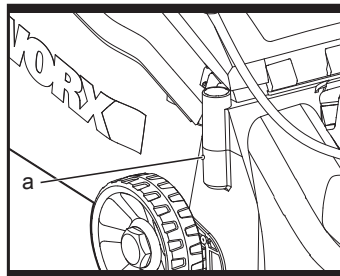
 **IMPORTANT!** Before you assemble the lawn mower, check the accessories according above information, make sure the accessories are completed.

### 1. FITTING THE HANDLE (See Fig. A1- A5)

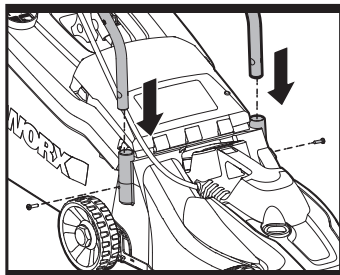
- 1) Remove the screws (a) on the both side of deck. (See Fig. A1)
- 2) Insert the Lower Handle Bar into the holes on the deck. Be sure to carefully align the screw holes found on the Lower Handles with the screws holes found on the deck. (See Fig. A1, A2)
- 3) Secure the Lower Handle Bars to the deck with the screws provided (See Fig. A2) .
- 4) Attach the Middle Handle (9) to the Lower Handle with the Handle Knobs Assembly (11). After this is complete, attach the Upper Handle (7) to the Middle Handle with the upper Handle Knobs (8) (See Fig. A3).
- 5) Tightening the two Handle Knobs. Check that the handle is FULLY secured.

The cam lever pressure can be adjusted by rotating the upper or the lower Handle Knobs clockwise/ counterclockwise (See Fig. A4). DO NOT OVER TIGHTEN.

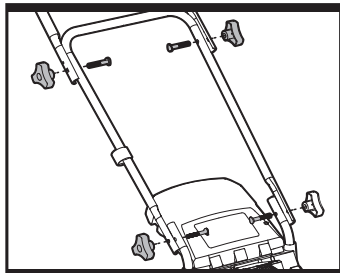
**NOTE:** Ensure that the bolts are fully inserted through the handles before adjusting or tightening the Handle Knobs.



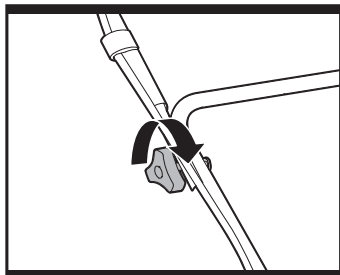
A1



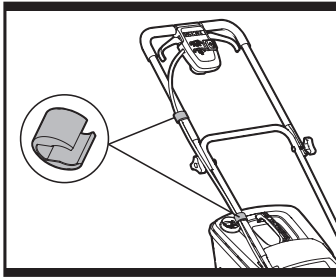
A2



A3



A4

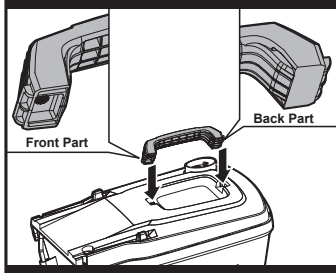


**A5**

- 6) First, insert the cable into the Cable Clips (2) provided ensuring there is enough slack cable to allow the handlebars to collapse for storage. After inserting the cable, attach the Cable Clips to the Upper and Middle Handle bars (See Fig. A5)  
**NOTE:** Make sure the cable is routed underneath the Middle Handle Bar (See Fig.A5).

**2. GRASS COLLECTION BAG ASSEMBLY**

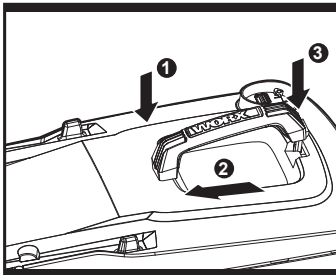
Connect the grass box handle to the box top as shown in Fig B1-B4.



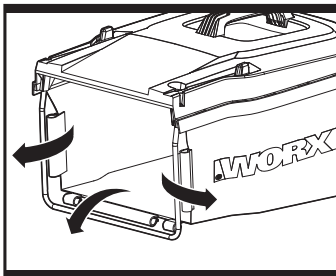
**B1**

- Step 1. Press the front of the handle briefly. (See Fig. B2)  
 Step 2. Then push it forward. (See Fig. B2)  
 Step 3. Push down the back of the handle. (See Fig. B2)  
 Step 4. Finally, clip the plastic clips over the metal frame. (See Fig. B3)

**! WARNING: Don't fit the handle in reversed direction. Fit the handle as shown in Fig B1.**



**B2**



**B3**

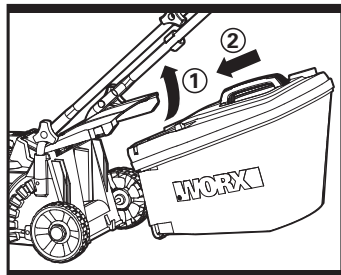
### 3. GRASS COLLECTION BAG FITTING (See Fig. C1, C2, C3)

- 1) Turn the mower off, wait until blade stops and remove safety key (6).
- 2) Pick up the grass collection bag by the handle, and position grass collection bag on the lower hooks (b) on the mower deck (See Fig.C2).
- 3) Release the safety guard to lock the grass bag into position. Ensure the grass collection bag is installed securely (See Fig. C3).

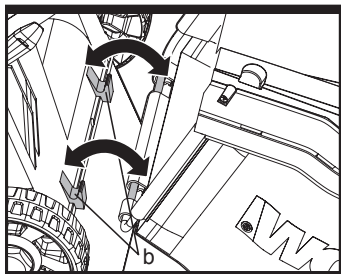
**NOTE:** Depress the grass collection bag slightly to ensure that it is completely installed.



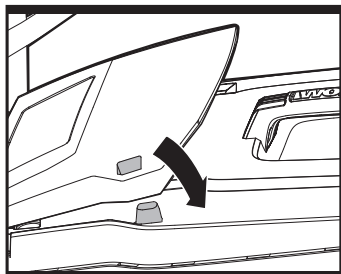
**B4**



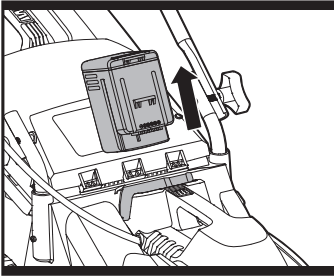
**C1**



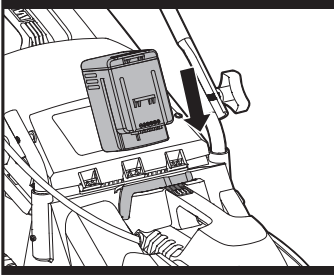
**C2**



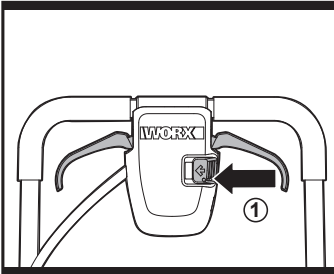
**C3**



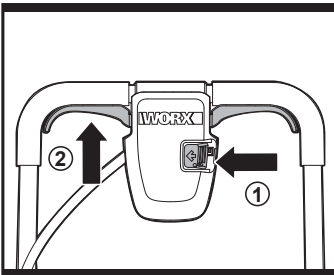
**D1**



**D2**



**E1**



**E2**

#### **4. REMOVING/EMPTYING**

Hold the grass collection bag, lift the safety flap (10) and hold up. Remove grass collection bag (4).



**WARNING!** Always check the safety flap can close the discharge outlet tightly before using. Never lift the safety flap (10) when the lawn mower is being used without fitted grass collection bag.

#### **5. FITTING/REMOVING BATTERY**

**(See Fig. D1, D2)**

Depress the battery release button to release battery pack from your mower (See Fig. D1). After recharging, insert the battery pack into mower's battery port (See Fig. D2). A simple push and slight pressure will be sufficient.

**NOTE:** When removing the battery pack, hold it firmly to avoid dropping and injury.

### **OPERATION**

#### **1. STARTING AND STOPPING**

**(See Fig. E1, E2)**



**WARNING!** The blade continues to rotate for a few seconds after the machine is switched off. Allow the motor/blade to stop rotating before switching "on" again. Do not rapidly switch off and on.

#### **STARTING**

- 1) Insert safety key into the housing of the switch box.
- 2) Slide the key to the right and hold in position.
- 3) Pull the lever bar towards the handle and the mower will start.
- 4) Release the safety key.

#### **STOPPING**

Release the switch lever.

## 2. WORK MODE DIAL (See Fig. F)

### Status1: QUIET mode

Select QUIET mode when mowing in everyday conditions, removing approximately 20mm of grass at a time.

### Status2: TURBO mode

Set the dial to TURBO mode when cutting dense or overgrown grass.


## 3. BATTERY STATUS LED'S (See Fig. G)

**NOTE: The Status LED's will indicate the battery condition when the button on the battery is pressed.**

The LED's constantly senses and displays the battery condition as follows:

Press the button "POWERTEST"; the light button is illuminated.

When the three green lights are illuminated, the battery is in a highly charged condition.

When two lights (  ) are illuminated, the battery is in a moderately charged condition.


When only one green light (  ) is illuminated, the battery charge is depleted.


Before using your new mower for the first time, it is recommended that the unit be charged overnight to ensure that the battery is fully charged.

### IMPORTANT

**When only one light is illuminated, your battery is overly discharged, even though the mower may still be capable of cutting grass. Continuing to operate your lawnmower with the battery in this discharged condition may reduce the life and performance of your battery.**

## 4. ADJUSTING THE CUTTING HEIGHT (See Fig. H)

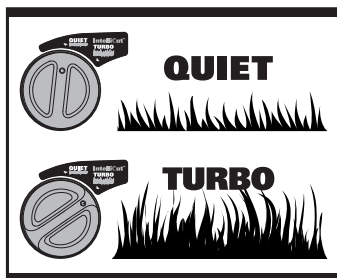
 **WARNING!** Stop, release switch lever and wait until the motor stops before adjusting height. The blades continue to rotate after the machine is switched off, a rotating blade can cause injury.

 **CAUTION: Do not touch rotating blades.** For the first cutting of the season, a high cutting adjustment should be selected. The lawnmower can be set to 5 cutting heights between 20mm and 60mm. For this purpose, move the cutting height adjustment lever outwards then adjust to the preferred position.

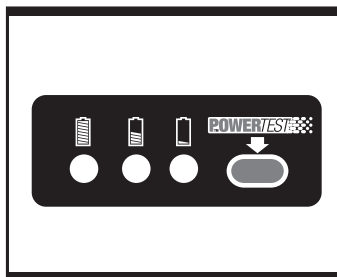
## 5. GRASS BAG FILLING INDICATOR

(See Fig. I)

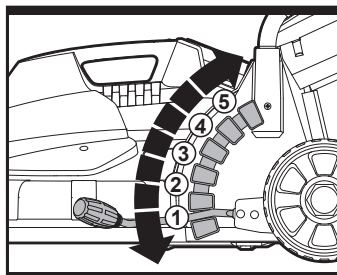
To remind you immediately to empty when the grass collection bag is full, the mower provides an indicator on the top of bag to show the collection status. And you



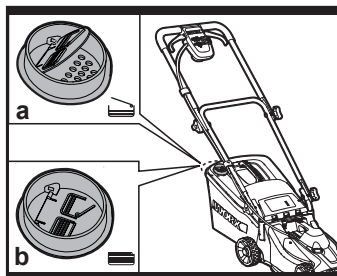
F



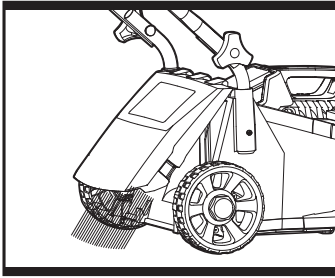
G



H



I



J

can follow as below:

**Empty status: flap floats (a)**



**Fully status: flap falls down (b)**



## 6. REAR DISCHARGE (See Fig. J)

The mower provides a rear discharge function, so that you can mow without bag collection. The debris will be discharged from the rear chute.

## 7. CUTTING AREA

The cutting area can be affected by several factors, such as cutting height, lawn humidity, grass length and density. Besides, starting and stopping the mower too many times during operation will reduce the cutting area.

The table below gives the relationship between cutting conditions and cutting area.

Cutting Conditions		Cutting Area (maximum)
Grass Conditions	Cutting Height	
Very thin, dry grass	cut 6cm to 4cm	350m <sup>2</sup> *
Thin, dry grass	cut 8cm to 4cm	150m <sup>2</sup> *

\* Used with a fully charged battery pack

### TIPS:

- 1) It is recommended to mow your lawn more frequently, walk at normal pace, and not to start/stop the mower too often during operation.
- 2) For best performance, please ensure use a fully charged battery pack and always cut off 1/3 or less of the grass height.
- 3) Walk slowly when cutting long grass, so as to have more effective cutting and properly discharge the clippings.
- 4) Avoid cutting wet grass, otherwise it will stick to the underside of the deck and the clippings can not be collected or discharged properly.
- 5) A higher cutting height shall be applied to new or thick grass and it will extend the battery duration.

## 8. MOWING TIPS

**NOTE: Always inspect area where mower is to be used and remove all stones, sticks, wire, metal and other debris which might be thrown by the**

### **rotating blade.**

1. Mow across the face of slopes, never up-and-down. Exercise extreme caution when changing direction on slopes. Do not mow excessively steep slopes. Always maintain good footing.
  2. Release switch lever to turn mower "OFF" when crossing any graveled area (stones can be thrown by the blade).
  3. Set mower at highest cutting height when mowing in rough ground or in tall weeds. Removing too much grass at one time can cause circuit breaker to trip, which stops mower.
  4. If a grass bag is used during the fast growing season, the grass may tend to clog up at the discharge opening. Release switch lever to turn mower "OFF" and remove the safety key. Remove the grass bag and shake the grass down to the back end of the bag. Also clean out any grass or debris which may be packed around the discharge opening. Replace the grass collection bag.
  5. If mower should start to vibrate abnormally, release switch lever to turn mower "OFF" and remove safety key. Check immediately for cause. Vibration is a warning of trouble. Do not operate mower until a service check has been made.
- 6. ALWAYS RELEASE SWITCH LEVER TO TURN MOWER "OFF" AND REMOVE SAFETY KEY WHEN LEAVING IT UNATTENDED EVEN FOR A SHORT PERIOD OF TIME.**

## **MAINTENANCE**



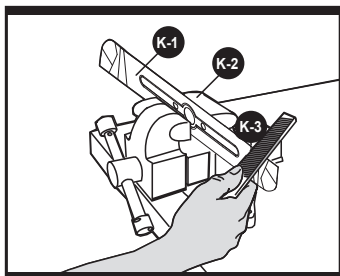
**WARNING: Stop the mower and remove the safety key before removing the grass bag.**

**NOTE:** To ensure long and reliable service, perform the following maintenance procedures regularly. Check for obvious defects such as a loose, dislodged or a damaged blade, loose fittings, and worn or damaged components. Check that the covers and guards are all undamaged and are correctly attached to mower. Carry out any necessary maintenance or repairs before operating mower. If the mower should happen to fail despite regular maintenance, please call our customer helpline for advice.

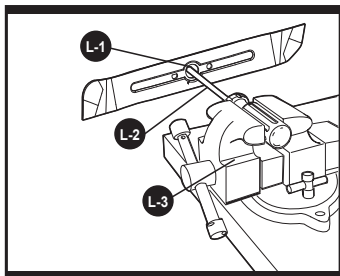
### **BLADE SHARPENING**

KEEP BLADE SHARP FOR BEST MOWER PERFORMANCE.

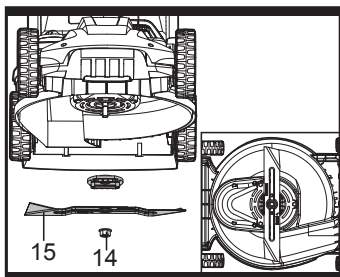
WEAR PROPER EYE PROTECTION WHILE REMOVING, SHARPENING, AND INSTALLING BLADE. ENSURE THAT SAFETY KEY IS REMOVED.



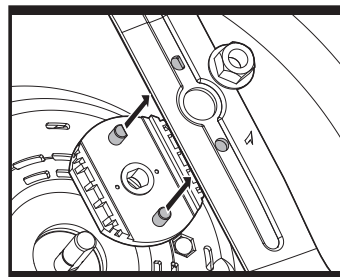
**K**



**L**



**M1**



**M2**

Sharpening the blade twice during a mowing season is usually sufficient under normal circumstances. Sand causes the blade to dull quickly. If your lawn has sandy soil, more frequent sharpening may be required. REPLACE BENT OR DAMAGED BLADE IMMEDIATELY.

**WHEN SHARPENING THE BLADE:**

1. Make sure blade remains balanced.
2. Sharpen blade at the original cutting angle.
3. Sharpen cutting edges on both ends of blade, removing equal amounts of material from both ends.

**TO SHARPEN BLADE IN A VISE**

(See Fig. K)

1. Be sure the switch lever is released, the blade has stopped and the safety key removed before removing the blade.
2. Remove blade from mower. See instructions for removing and attaching blade.
3. Secure blade K-1 in a vise K-2.
4. Wear safety glasses and be careful not to cut yourself.
5. Carefully file the cutting edges of the blade with a fine tooth file K-3 or sharpening stone.
6. Check balance of blade. See instructions for blade balancing.
7. Replace blade on mower and tighten securely. Refer to instructions below.

**BLADE BALANCING (See Fig. L)**

Check balance of blade by placing center hole in blade L-1 over a nail or screwdriver shank L-2, clamped horizontally in a vise L-3. If either end of the blade rotates downward, file that end. Blade is properly balanced when neither end drops.

**BLADE MAINTENANCE (See Fig. M1,M2)**

Renew your metal blade after 50 hours mowing or 2 years, which ever is the sooner-regardless of condition. Follow these procedures to remove and replace the blade. You will need garden gloves (not provided) and a spanner wrench (not provided) to remove the blade. Hold the blade (15) and unscrew the blade bolt (14) counter-clockwise using a spanner wrench, and then remove blade.

To re-assemble, position the blade (15) with the cutting edges towards the ground. Then securely tighten the blade bolt (14).



## STORAGE: (See Fig. N1, N2 )


Stop the mower and always remove the safety key. Clean the exterior of the machine thoroughly using a soft brush and cloth. Do not use water, solvents or polishes. Remove all grass and debris, especially from the ventilation slots.

Turn the machine on its side and clean the blade area. If grass cuttings are compacted in the blade area, remove with a wooden or plastic implement.

Store the machine in a dry place. Do not place other objects on top of the machine.

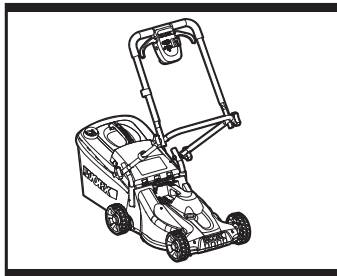
To aid storage, release the handle cam lever, and rotate or fold the upper handle.

## ENVIRONMENTAL PROTECTION

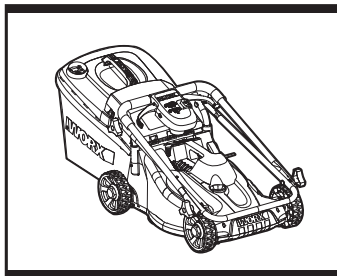
 Waste electrical products must not be disposed of with household waste.

 Please recycle where facilities exist.

Check with your local authorities or retailer for recycling advice.



**N1**



**N2**

# DECLARATION OF CONFORMITY

We,  
Positec Power Tools (Europe)Ltd,  
PO Box 6242 Newbury RG14 9LT UK

Declare that the product,  
Description **WORX Cordless lawn mover**  
Type **WG776E WG776E .9**  
**(770-789-designation of machinery,**  
**representative of Cordless Lawn Mower)**  
Function **Mowing grass**

Complies with the following Directives,  
**2006/42/EC, 2014/30/EU, 2011/65/EU,**

**2000/14/EC amended by 2005/88/EC.**  
Conformity assessment procedure as per **Annex VI**  
Measured Sound Power Level  
**86.9dB(A) TURBO mode**  
**77.1dB(A) QUIET mode**  
Declared Guaranteed Sound Power Level  
**88dB(A)**

The notified body involved  
**Name: Intertek Testing & Certification**  
**Ltd(notified body 0359)**  
**Address: Davy Avenue, Knowlhill, Milton**  
**Keynes, MK5 8NL**

Standards conform to:  
**EN 60335-1      EN 60335-2-77**  
**EN ISO 3744      EN 55014-1**  
**EN 55014-2      EN 62233**

The person authorized to compile the technical file,  
**Name: Russell Nicholson**  
**Address: Positec Power Tools (Europe)Ltd,**  
**PO Box 6242 Newbury RG14 9LT UK**



Suzhou 2016/03/28  
Allen Ding  
Deputy Chief Engineer, Testing & Certification

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