

## English (original instructions)

Your trimmer has been engineered and manufactured to a high standard for dependability, ease of operation, and operator safety. When properly cared for, it will give you years of rugged, trouble-free performance. Thank you for buying a Greenworks tools product.

Save this manual for future reference.

### INTRODUCTION

This appliance is not intended for use by persons (including children) with reduced understanding, 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.

This product has many features for making its use more pleasant and enjoyable.

Safety, performance, and dependability have been given top priority in the design of this product making it easy to maintain and operate.

### INTENDED USE

- This trimmer is designed for cutting grass and soft vegetation alike and for trimming grass edges in private garden areas which are not accessible with a lawnmower.
- Its cutting plane should always be approximately parallel to the ground. If it is not used in this way, the possibility of injury to persons and property by thrown objects significantly increased.
- The device is not allowed to be used in public gardens, parks, sports centres or at roadsides as well as in agriculture and forestry.
- This trimmer is not allowed to be used for cutting or chopping hedges, shrubs, bushes, and flowers. It should never be used with the cutting means rotating vertically.
- The national regulation can restrict the use of the machine.

### GENERAL SAFETY RULES

- While operating the appliance, always wear substantial footwear and long trousers.

### 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. Save all warnings and instructions for future reference. The term "power tool" in the warnings refers to battery-operated (cordless) power tool.

### WORK AREA SAFETY

- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep all bystanders (especially children and pets) at least 15m away from the work area. Distractions can cause you to lose control.

### ELECTRICAL SAFETY

- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. 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 power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

### PERSONAL SAFETY

- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools 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 power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
- Do not overreach. Keep proper footing and balance at

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all times. This enables better control of the power tool 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.
- It's necessary for you to daily inspection before use and after dropping or other impacts to identify any significant defects
- The harness distribute the load from your hands to your shoulders. They also help reduce operator fatigue and make it easier to use trimmer head and brush cutter for extended periods.
- Place the pad on your shoulder and adjust your positioning to get yourself comfortable and balanced.

### BATTERY TOOL USE AND CARE

- Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- Store idle power tools out of the 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.
- Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

### SERVICE

- Have your power tool serviced by a qualified repair person using only identical replacement parts.

- This will ensure that the safety of the power tool is maintained.

### MAINTENANCE

- After use and before storage, disconnect the machine from the battery and check for damage.
- When not in use store the machine out of the reach of children.
- Grass trimmers should only be repaired by an authorized repairer.
- Use only manufacturers recommended replacement parts and accessories.

### WARNING














The cutter head will continue to rotate for a few seconds after switching off.

- It has been reported that vibrations from the tools may contribute to a condition called Greenworks tools's Syndrome in certain individuals. Symptoms may include tingling, numbness and blanching of the fingers, usually apparent upon exposure to cold. Hereditary factors, exposure to cold and dampness, diet, smoking and work practices are all thought to contribute to the development of these symptoms. It is presently unknown what, if any, vibrations or extent of exposure may contribute to the condition. There are measures that can be taken by the operator to possibly reduce the effects of vibration:
- Keep your body warm in cold weather. When operating the unit wear gloves to keep the hands and wrists warm. It is reported that cold weather is a major factor contributing to Greenworks tools's Syndrome.
- After each period of operation, exercise to increase blood circulation.
- Take frequent work breaks. Limit the amount of exposure per day.
- If you experience any of the symptoms of this condition, immediately discontinue use and see your physician about these symptoms.

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### SYMBOLS

Some of the following symbols may be used on this tool. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the tool better and safer.

SYMBOL	DESIGNATION/EXPLANATION
	Beware of blade thrust
	Precautions that involve your safety.
	Thrown objects can ricochet and result in personal injury or property damage. Wear protective clothing and boots.
	Keep all bystanders, especially children and pets, at least 15m from the operating area.
	Do not use saw blades
	Do not expose to rain or in damp conditions.
	Keep bystanders a safe distance away from the machine.
	Read the operation manual and follow all warnings and safety instructions.
	Wear safety footwear.
	Wear protective gloves.
	Wear head protection.
	Wear eyes protection and ears protection.
	The maximum rotational frequency of the spindle.

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

SYMBOL	MEANING
	Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.
	Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.
	Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury.
	(Without Safety Alert Symbol) Indicates a situation that may result in property damage.

### SERVICE

Servicing requires extreme care and knowledge and should be performed only by a qualified service technician. For service we suggest you return the product to your nearest authorized service centre for repair. When servicing, use only identical replacement parts.

### WARNING

The operation of any power tool can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning power tool operation, always wear safety goggles, safety glasses with side shields, or a full face shield when needed. We recommend Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shields. Always use eye protection which is marked to comply with EN 166.

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### SPECIFICATIONS

#### 40 volt battery powered brushless grass trimmer / brush cutter

Voltage	40 V D.C.
Max No load speed	6500/min
Cutting head	Bump feed/Brush-cutter Blade
Cutting line diameter	2.0 mm
Cutting path diameter	356 mm/254 mm
Features of Bump feed/ Brush-cutter Blade	Max speed 10000rpm/4 teeth / max speed 10000rpm
Measured Sound pressure level	LPA=83 dB( A) KPA=3 dB( A)
Sound power level	LwA=96dB(A)
Vibration	3.5m/s, k=1.5m/s2
Battery pack	29727/29717
Charger	29447/29417
Weight with battery pack	5.465

### ANNEX E ANNEX D

NOTE: THE DECLARED VIBRATION TOTAL VALUE HAS BEEN MEASURED IN ACCORDANCE WITH A STANDARD TEST METHOD AND MAY BE USED FOR COMPARING ONE TOOL WITH ANOTHER; THE DECLARED VIBRATION TOTAL VALUE MAY ALSO BE USED IN A PRELIMINARY ASSESSMENT OF EXPOSURE.

#### WARNING:

THE VIBRATION EMISSION DURING ACTUAL USE OF THE POWER TOOL CAN DIFFER FROM THE DECLARED TOTAL VALUE DEPENDING ON THE WAYS IN WHICH THE TOOL IS USED; AVOID VIBRATION RISK SUGGESTION: WEAR GLOVE DURING OPERATION

LIMIT OPERATING TIME AND SHORTEN TRIGGER TIME

### ASSEMBLY

This product requires assembly.

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

### WARNING

Do not use this product if any parts on the packing list are already assembled to your product when you unpack it. Parts on this list are not assembled to the product by the manufacturer and require customer installation. Use of a product that may have been improperly assembled could result in serious personal injury.

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.

### PACKING LIST

Line trimmer  
Grass deflector  
Front handle  
Brush cutter blade  
Operator's manual

### WARNING

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.

### WARNING

Do not attempt to modify this product or create accessories not recommended for use with this product. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.

### WARNING

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

### DESCRIPTION

1. Battery pack 2. Battery charger 3. Rear handle 4. Lock-off button 5. Fast/slow button 6. On/off power button 7. Switch trigger 8. Lock latch 9. Front handle 10. Couple 11. Grass deflector 12. Trimmer head 13. Blade 14. Cut-off Blade.

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### ATTACHING GRASS DEFLECTOR *SEE FIGURE 2.*

#### WARNING

Avoid contact with the blade. Failure to avoid contact can result in serious personal injury.

- Remove the wing screw(17) from the grass deflector
- Insert the tab(16) on the mounting bracket in the slot(15 ) on the grass deflector
- Tighten the screw(17)securely.

#### WARNING

Do not allow familiarity with products to make you careless. Remember that a careless fraction of a second is sufficient to inflict serious injury.

#### WARNING

Always wear eye protection. Failure to do so could result in objects being thrown into your eyes resulting in possible serious injury.

#### WARNING

Do not use any attachments or accessories not recommended by the manufacturer of this product. The use of attachments or accessories not recommended can result in serious personal injury.

### INSTALLING AN ATTACHMENT TO THE POWER HAED *SEE FIGURE 3.*

- Loosen the knob(19) on the coupler(10) and remove the hanger cap from the attachment(18).
- Push in the button located on the attachment(18)shaft. Align the button with the guide recess on the power head coupler(10) and slide two shafts together. Rotate the attachment shaft until the button locks into the positioning hole.
- Tighten the knob(19) securely.

### ATTACHING THE FRONT HANDLE*SEE FIGURE 4.*

- Install the main handle(21) onto the shaft, place the bar(20) on the top of main handle(21),making sure the bar(20)is pointing left while holding unit.
- Place the clam(23) on the back side of the main

handle(21) onto shaft.

- Take 2 bolts provided and secure the bolts to clamp with Philips screw driver(not provided).

### TO INSTALL BATTERY PACK *SEE FIGURE 5.*

- Place the battery pack in the trimmer. Align raised ribs on battery pack with grooves in the trimmer's battery port.
- Make sure the latch on bottom of the battery pack snaps in place and that battery pack is fully seated and secure in the trimmer before beginning operation.

### STARTING/STOPPING THE TRIMMER

To start the power head:

- Press the power button(6)
- Depress the lock-out button(4)and squeeze the switch trigger(7)
- Press high speed button (5)to increase speed depending upon grass condition.

To stop the power head:

- Release the switch trigger(7)
- The unit will power itself down after being idle for 1 minute.

#### WARNING

Noise. A degree of noise from the machine is not avoidable. Route noisy work is to be licensed and limits for certain periods. Keep rest periods and they may need to restrict the working hours to a minimum. For their personal protection and protection of people working nearby, an appropriate hearing protection shall be worn;

Vibration. Always wear safety and anti-vibration glove. Excessive vibration may cause white finger disease or carpal tunnel syndrome. If you notice an unpleasant sensation or skin discoloration during use of the machine on your hands once you stop working. Place an adequate work breaks.. And continual and regular users should monitor closely the condition of their hands fingers

### OPERATING THE TRIMMER *SEE FIGURE 5.*

- Hold the power head with your right hand on the rear

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handle and your left hand on the front handle. Keep a firm grip with both hands while in operation. Power head should be held at a comfortable position with the rear handle about hip height. Always operate power head at full throttle. If debris becomes wrapped around the attachment, **RELEASE THE SWITCH TRIGGER**, and remove the debris.

### **WARNING**

Contact with the trimmer cutting head while operating can result in serious personal injury.

### **CUTTING TIPS SEE FIGURE 6.**

- Keep the trimmer tilted toward the area being cut; this is the best cutting area.
- The trimmer will cut better when moved from left to right across the area to be cut; it is less effective when moved from right to left.
- Use the tip of the cutting line to do the cutting; do not force cutting head into uncut grass.
- Wire and picket fences cause extra cutting line wear, even breakage. Stone and brick walls, curbs, and wood may wear cutting line rapidly.
- Avoid trees and shrubs. Tree bark, wood moldings, siding, and fence posts can easily be damaged by the cutting line.
- Attach metal knob to the rubber hole on the rear handle when in use, unlock the metal knob when not in use.

### **ADVANCING CUTTING LINE**

The trimmer is equipped with an Bump head. Bumping the head to try to advance the line.

- With the trimmer running, release the switch trigger.
- Wait two seconds, and press the switch trigger.

**NOTE:** The cutting line will extend approximately 2mm with each stop and start of the trigger until the cutting line reaches the length of the grass deflector cut-off blade.

- Resume trimming

### **ADVANCING THE CUTTING LINE MANUALLY**

- Remove the battery pack.
- Push the black button located on the cutting head while pulling on cutting line to manually advance the cutting line.
- After extending new cutter line, always return the machine to its normal operating position before switching on.

### **LINE CUT-OFF BLADE SEE FIGURE 6.**

- This trimmer is equipped with a line cut-off blade on the grass deflector. For best cutting, advance line until it is trimmed to length by the line cut-off blade. Advance line whenever you hear the engine running faster than normal, or when trimming efficiency diminishes. This will maintain best performance and keep line long enough to advance properly.

### **WARNING**

When servicing, use only identical replacement parts. Use of any other parts may create a hazard or cause product damage.

### **WARNING**

To avoid serious personal injury, always remove the battery pack from the tool when cleaning or performing any maintenance.

### **GENERAL MAINTENANCE**

Before each use, inspect the entire product for damaged, missing, or loose parts such as screws, nuts, bolts, caps, etc. Tighten securely all fasteners and caps and do not operate this product until all missing or damaged parts are replaced.

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean clothes to remove dirt, dust, oil, grease, etc.

### **WARNING**

Do not at any time let brake fluids, gasoline, petroleum-based products, penetrating oils, etc., come in contact with plastic parts. Chemicals can damage, weaken, or destroy plastic which may result in serious personal injury.

Only the parts shown on the parts list are intended to be repaired or replaced by the customer. All other parts should be replaced at an Authorised Service Centre.

### **WARNING**

When servicing, use only identical replacement parts. Use of any other parts may create a hazard or cause product damage.

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### WARNING

To avoid serious personal injury, always remove the battery pack from the tool when cleaning or performing any maintenance.

### BATTERY PACK REMOVAL AND PREPARATION FOR RECYCLING

Contact customer service for the latest replacement parts and accessories.

### WARNING

Upon removal, cover the battery pack's terminals with Heavy-duty adhesive tape. Do not attempt to destroy or Disassemble battery pack or remove any of its components. Lithium-ion and nickel-cadmium batteries must be recycled Or disposed of properly. Also, never touch both terminals With metal objects and/or body parts as short circuit may Results. Keep away from children. Failure to comply with These warnings could result in fire and/or serious injury.

### SPOOL REPLACEMENT *SEE FIGURE 7.*

- Use only 2mm diameter monofilament cutting line.
- Remove the battery pack.
- Push in tabs on side of spool cover. Pull spool cover up to remove.
- Remove the old spool.
- To install the new spool, make sure the cutting line is captured in the slot on the new spool. Make sure the end of the cutting line is extended approximately 15cm beyond the slot.
- Install the new spool so that the cutting line and slot align with the eyelet in the cutting head. Thread the cutting line into the eyelet.
- Pull the cutting line extending from the cutting head so the cutting line releases from the slot in the spool.
- Reinstall the spool cover by depressing tabs into slots and pushing down until spool cover clicks into place.

### CUTTING LINE REPLACEMENT *SEE FIGURE 8.*

- Remove the battery pack.
- Remove the spool from the spool cover
- Bend one 8' length (3m) of line in the middle and hook the string in location 'D'
- Hold the spool by the hub 'a' and wind both halves of

the line in the direction of the arrow on the spool. One side of the line should lay in slot 'C' and the other side in slot 'B'.

- To temporarily retain the line, use notch 'E'.

### ASSEMBLY THE BRUSH CUTTER *SEE FIGURE 9.*

- Warning: Be careful of sharp edges and to wear gloves
- Remove the battery pack.
- Ensure the 'F' is installed on the shaft of the trimmer.
- Insert a suitable screw driver through the two holes.
- Place the Brush-cutter Blade 'G' on top of the spacer 'F' ensuring it is centered.
- Place washer 'H' on top of the Brush-cutter Blade 'G'
- Place cover 'I' over washer 'H'
- Using a 19mm or 3/4" wrench tighten the lock-nut 'J' Counter-clockwise to 44-58" N.M or 32-42 ft/lbs of torque.
- Spin the Brush-cutter Blade 'B' to ensure Brush-cutter Blade is secured tightly.

### STORING THE TRIMMER

- Remove the battery pack from the trimmer before storing.
- Store it in a place that is inaccessible to children.
- Keep away from corrosive agents such as garden chemicals and de-icing salts.
- Store and charge your batteries in a cool area. Temperatures above or below normal room temperature will shorten battery pack life.
- Store the battery pack where the temperature is below 27°C and away from moisture.
- All batteries gradually lose their charge. The higher the temperature, the quicker they lose their charge. If you store your unit for long periods of time without using it, recharge the batteries every month or two. This practice will prolong battery pack life.
- Secure the trimmer during transport to prevent damage or injury. Clean and maintenance before storage, use of guards on cutting attachments with metal blades. Use of cover for metal blades during transport and storage.



### DISPOSAL

This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.



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TROUBLESHOOTING		
PROBLEM	POSSIBLE CAUSE	SOLUTION
String will not advance when using the auto-feed head.	String is welded to itself.	Lubricate with silicone spray.
	Not enough string on spool.	Install more string, refer to string replacement earlier in this manual
	String is worn too short.	Pull string while pressing line release button
	String is tangled on spool.	Remove string from spool and rewind. Refer to string replacement earlier in this manual
Grass wraps around shaft housing and string head	Cutting tall grass at ground level	Cut tall grass from the top down to prevent wrapping
Unit will not start.	Battery is not secure.	To secure the battery pack, make sure the latch on bottom of the battery pack snaps into place.
	Battery is not charged.	Charge the battery pack according to the instructions included with your model
	Shaft not connected completely.	Make sure lower shaft is fully seated in shaft coupler on upper shaft and secure shaft coupler.

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### EC DECLARATION OF CONFORMITY

Name: Changzhou Globe Co., Ltd.

Address: No. 65 Xinggang Rd., Zhonglou Zone, Changzhou, Jiangsu, China

Name and address of the person authorised to compile the technical file:

Name: Dennis Jacobson (Director of Outdoor Power Equipment)

Address: GLOBE TOOLS EUROPE ,

1 Etage

Schillingsrotterstr.38

50996 Cologne

Germany

Herewith we declare that the product

Category .....40V Battery Powered BRUSHLESS Grass Trimmer/Brush Cutter

Model .....2100207

Serial number .....See product rating label

Year of Construction .....See product rating label

Satisfies the requirement of the Council Directives:

2006/42/EC

2011/65/EU

2004/108/EC

2000/14/EC & 2005/88/EC, Measured sound power level 93.7dB(A) Guaranteed sound power level 96 dB(A)

and conforms with the norms:

EN 60745-1+A11

EN ISO 11806-1

EN 55014-1+A1+A2

EN 55014-2+A1+A2

ITS Testing & Certification, Davy Avenue, Knowhill, Milton Keynes, MK5 8NL

Place, date: Changzhou, 28/05/2014

Signature:

Dennis Jacobson ((BEng, CEng, MIET)

Vice president of Engineering

