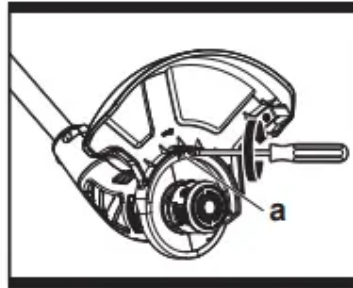
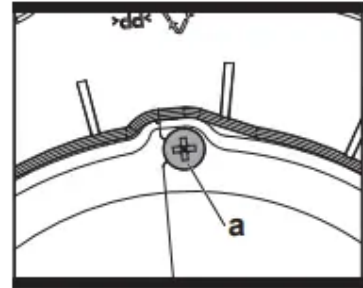


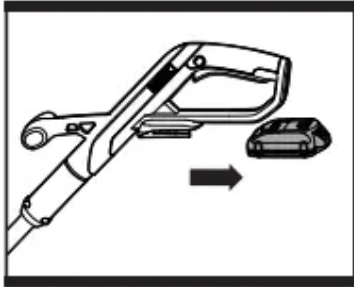
**A**



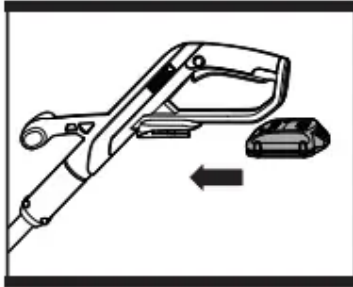
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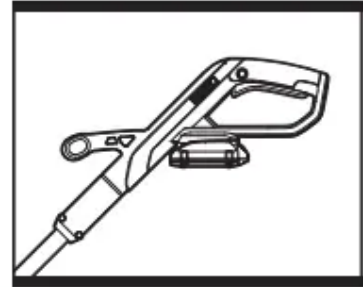
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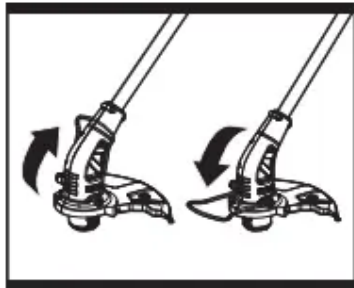
**C1**



**C2**



**D**



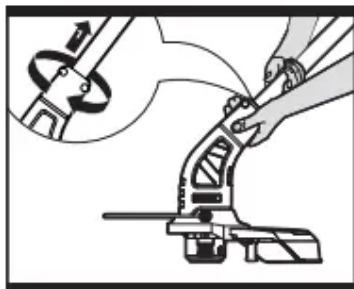
**E**



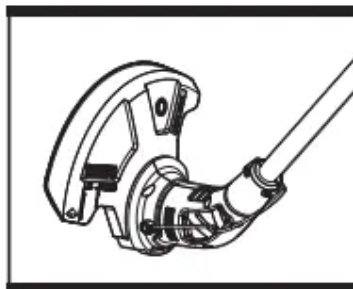
**E1**



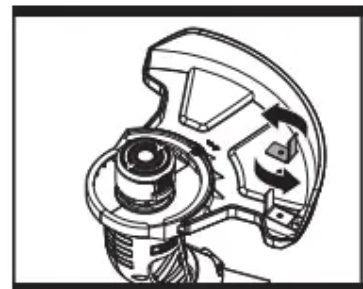
**E2**



**E3**

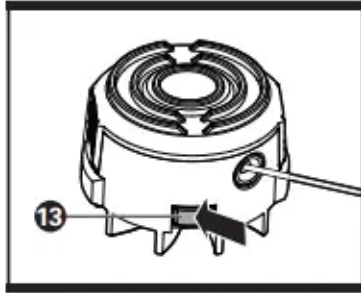


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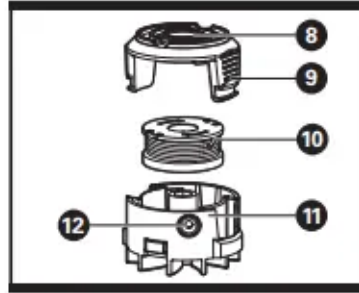


**F**

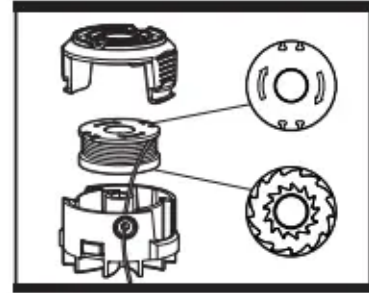




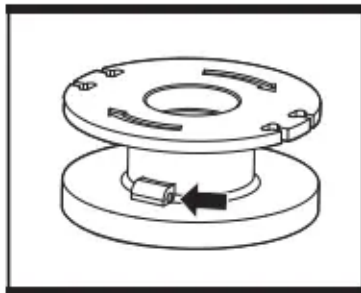
**G1**



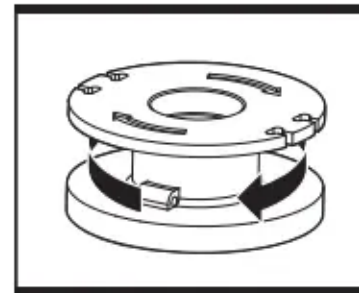
**G2**



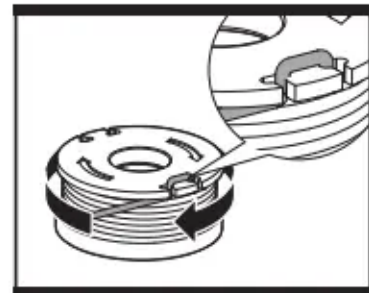
**H**



**I1**



**I2**



**I3**

1. AUXILIARY HANDLE
2. LOCK OFF BUTTON
3. ON/OFF SWITCH
4. BATTERY PACK
5. SAFETY GUARD
6. FLOWER GUARD
7. LINE CUTTER
8. SPOOL COVER (See Fig. G2)
9. CAP RELEASE LATCH (See Fig. G2)
10. SPOOL (See Fig. G2)
11. TRIMMER HEAD (See Fig. G2)
12. EYELET (See Fig. G2)
13. LINE FEED BUTTON (See Fig. G1)

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

## TECHNICAL DATA

	<b>WG154</b>	<b>WG154.9</b>	<b>WG157</b>
Voltage	20V Max* Lithium		18V
No load speed	8000-8500/min		
Cutting diameter	10in. -12in. (25-30cm)		
Line diameter	0.065in. (1.65mm)		
Charging time	5hr	/	5hr
Machine weight	4.2lbs (1.9kg)	3.2lbs (1.5kg)	4.2lbs (1.9kg)

\* Voltage measured without workload. Initial battery voltage reaches maximum of 20 volts. Nominal voltage is 18 volts



# SYMBOLS



To reduce the risk of injury, user must read instruction manual



Wear ear protection



Li-Ion

Li-Ion battery. separate collection, and battery must be recycled



Li-Ion



Edging



Trimming

## call2recycle®



POSITEC Inc. has established a partnership with the RBRC Corporation to recycle any Positec batteries with the RBRC-call2recycle seal. For environmental protection, please do not discard batteries in the trash. After the batteries' life cycle is ended, then please call 1-800-822-8837 for a free service that will properly dispose of the battery.

# ASSEMBLY

## 1. ASSEMBLY OF THE MAIN HANDLE (See Fig. A)

- Align and insert the shaft into the upper housing until a click can be heard. Make sure the grooves are correctly matched (See Fig. A).
- NOTE: Make sure that the handle is firmly locked in place. Do not try to remove these pieces after connecting.

## 2. ASSEMBLY OF THE SAFETY GUARD (See Fig. B1, B2)

- Remove a screw from the guard; attach the safety guard to the trimmer head. Align the guard so it slides into the slots located on the trimmer head.
- Turn the tool over and secure the safety guard onto the trimmer head with the screw (a) provided.

## OPERATION INSTRUCTIONS

**WARNING!** The charger and battery pack are specially designed to work together so do not attempt to use any other devices. Never insert or allow metallic objects into your charger or battery pack connections because of an electrical failure and hazard will occur.

### 1. BEFORE USING YOUR CORDLESS GRASS TRIMMER

- The battery pack included is shipped UNCHARGED. You must charge before first use.
- The battery charger supplied was designed to only charge the Li-Ion battery also supplied. Do not use another battery charger.

### 2. CHARGING YOUR BATTERY PACK

- The Li-Ion battery is protected against deep discharging. When the battery is empty, the machine will switch off by means of a protective circuit: The trimmer head will no longer rotate .
- In a warm environment or after heavy use, the battery pack may become too hot to permit charging. Allow time for the battery to cool down before recharging.

### 3. TO REMOVE OR INSTALL BATTERY PACK (See Fig. C1, C2)

- Depress the battery release button to release battery pack from your trimmer (Fig. C1). After recharging, insert the battery pack into trimmer's battery port (Fig. C2). A simple push and slight pressure will be sufficient until a click is heard.
- NOTE: When removing the battery pack, hold it firmly to avoid potential accidents.

### 4. SAFETY ON/OFF SWITCH (See Fig. D)

- The safety switch is locked off to prevent accidental starting. Depress the lock off button (2) then depress the on/off switch (3) and release lock off button. Your trimmer is now on. To switch off, just release the on/ off switch.
- **WARNING!** The cutting head continues to rotate after the trimmer has been switched off; wait until it has completely stopped then lay down the tool.

## OPERATION

- **WARNING:** Always wear the eye protection. Never lean over the trimmer head. Rocks or debris can ricochet or be thrown into eyes and face and cause blindness or other serious injury. When operating unit, check for the following: Wear eye protection and heavy clothing. Hold front handle with one hand and auxiliary handle with the other hand. Keep unit below waist level. Work only from your right to your left to ensure debris is thrown away from you. Without bending over, keep line near and parallel to the ground (perpendicular when edging) and not crowded into material being cut.
- **WARNING:** Make sure that line is fed out before operation. Make sure motor is up to full speed before trimming.
- **WARNING:** Use only 0.065 inches (1.65 mm) diameter cutting line. Other sizes of line will not feed properly and will result in improper cutting head function or can cause serious injury. Do not use other material such as wire, string, rope, etc. Wire can break off during cutting and become a dangerous projectile that can cause serious injury
- **FLOWER GUARD (See Fig. E)**
  - Push the Flower Guard (6) in when edging and pull it out before trimming, as shown in Fig. E. Before trimming or edging make sure the Flower Guard is locked firmly in position.
- **TRIMMING (See Fig. E1)**
  - Position the trimmer head as shown in Fig. E1 for trimming.
  - Keep the bottom of the trimmer head just above the ground and at an angle. Allow only the tip of line to make contact. Do not force trimmer line into work area.
- **EDGING (See Fig. E2, E3, E4) ALWAYS REMOVE THE BATTERY PACK BEFORE ADJUSTING THE TRIMMER HEAD POSITION**
  - For edging, position the trimmer head as Fig. E2. To rotate the trimmer head to edging—first hold the trimmer shaft as shown in Fig. E3---then with your other hand hold the trimmer head - Push away and rotate 180 degrees and then release- the trimmer will then lock into the edging position automatically—Fig. E4
  - **NOTE:** The trimmer head will only rotate in one direction.
  - Take extra caution while edging as objects can be thrown from the trimmer line.
- **CUTTING WIDTH ADJUSTMENT (See Fig. F)**
  - To avoid injury, ALWAYS remove the battery pack BEFORE installing parts or cleaning the trimmer or making any adjustments.

- Your trimmer is fitted with an adjustable line cut-off blade. The factory setting is at a 10 inches cutting width. To adjust to a 12 inches cutting width, loosen the blade screw and rotate the line cut-off blade 180°, then tighten the blade screw.
- **AUTOMATIC LINE FEED SYSTEM**
  - When initially switching ON the trimmer, a small length of line is fed out.
  - A 'clattering' noise will be heard when the lines hit the line cutter. **DO NOT BE ALARMED**, this is normal. After about 5 seconds the line will be cut to the correct length and the noise will reduce as the motor receives full speed.
  - If the noise of the line being cut can't be heard, more line will need to be fed out.
  - To feed more line, it is first necessary to allow the trimmer to stop completely, then restart, allowing the motor to reach full speed.
  - Repeat above until you hear the lines hitting against the line cutter
- **TO MANUALLY FEED THE LINE (See Fig. G1) ALWAYS REMOVE THE BATTERY PACK BEFORE ADJUSTING THE TRIMMER HEAD POSITION**
  - If required, line can be feed out manually. To operate, press and release manual line feed button (13), while gently pulling out the line until it is long enough to reach the line cutter.
  - If the line extends past the line cutter, too much line has been fed out.
  - If too much line is fed out, remove the spool cap and turn spool counter-clockwise until the line is at the desired length.

### **TO REMOVE THE CAP (See Fig. G2)**

- Press and hold the two latches (9).
- Pull cap away from the spool holder.
- When refitting the spool cap, keep all areas of the cap and spool holder clean.
- Replace the cap, pressing firmly down towards the spool holder to ensure cap is fully located into position.
- Check that the cap is correctly fitted by trying to remove it without depressing the two latches.

### **REPLACE THE TRIMMER LINE AND SPOOL (See Fig. H)**

**ALWAYS REMOVE THE BATTERY PACK BEFORE ADJUSTING THE TRIMMER HEAD POSITION**

- Remove Spool Cap Cover.

- For your convenience it is recommended you buy replacement spools with the trimmer line preinstalled.
- Remove the old Spool from Spool Holder. Clear any broken line or cutting debris from the spool area.
- Pull the line from the new replacement Spool through the eyelet of the Spool Holder.
- Place new Spool into the holder with the cut out areas of the Spool facing inward or down. When installed into the Spool Holder, the smooth side of the Spool should be visible.
- Release line from cleat on the Spool.
- Refit the Spool Cap Cover.

### **TO MANUALLY WIND LINE (See Fig. I1-I3)**

- Take approximately 10ft (3m) of line. Insert 0.065 inches (1.65mm) of line into the Spool holes and wind line in the direction of the arrows on the top of the Spool.
- Leave approximately 4 inches (100mm) of line unwound and place into the cleat. Ensure that the line is neatly coiled on the Spool. Failure to do so will impair the efficiency of the automatic line feed.
- Then fit the Spool as described above in “Replace the trimmer line and Spool”

## **STORING YOUR GRASS TRIMMER**

- Always remove the battery pack from your trimmer after use. Store in a dry place where the trimmer and battery can be protected from damage.

## **MAINTENANCE**

- Always remove the battery pack from your trimmer after use.
- Always check the product prior to being used for any damage. Never operate your product if it is damaged. Your power tool requires no additional lubrication or maintenance. There are no user serviceable parts in your power tool.
- Never use water or chemical cleaners to clean your power tool. Wipe clean with a dry cloth. Always store your power tool in a dry place. Keep the motor ventilation slots clean. Keep all working controls free of dust.

## **TROUBLESHOOTING**

**TROUBLESHOOTING** The following table gives checks and actions that you can perform if your machine does not operate correctly. If these do not identify and correct the problem, contact your

service agent. **WARNING:** Switch the machine off and remove the battery prior to any troubleshooting.

1. Trimmer fails to operate.

- Battery discharged.
  - Recharge battery; also see the content in charger manual
- Battery too hot/cold.
  - Allow to cool/warm.
- Motor is broken.
  - Contact Service Agent.
- Internal wiring of machine damaged.
  - Contact Service Agent.

2. Trimmer runs intermittently

- Motor is broken.
  - Contact Service Agent.
- Battery not fully charged.
  - Recharge battery.
- On/Off switch defective
  - Contact Service Agent.

3. Excessive vibrations/noise.

- Machine defective.
  - Contact Service Agent.
- Line spool is not wound well
  - Rewind the line. See " To fit spool and line assembly."

4. Cutting time per battery charge too low.

- Battery has not been used for long period or only charged for short term.
  - Fully charge battery; also see the content in charger manual
- Grass too high.
  - Cut in stages.
- Battery defective.
  - Replace the battery.

5. Machine does not cut.

- Line broken.
  - Replace the line
- Battery not fully charged.
  - Recharge battery; also see the content in charger manual
- Motor is broken (speed is too low).
  - Contact Service Agent
- Grass entangled around cutting head
  - Remove grass

6. Continuous lighting of the battery charge indicator. No charging procedure possible.

- Battery not (properly) inserted.
  - Properly insert battery into battery charger.
- Battery contacts contaminated.
  - Clean the battery contacts (e.g. by inserting and removing the battery several times) or replace the battery.
- Battery defective.
  - Replace the battery.

7. Battery charge indicator does not light up.

- Plug of battery charger not plugged in (properly).
  - Insert mains plug (fully) into the socket outlet.
- Socket outlet, mains cable or battery charger defective.
  - Check the mains voltage; have the battery charger checked by an authorized after-sales service agent

8. Auto feed does not work

- Cutting line is not wound well. The line is tangled.
  - Manually feed the line, if still can not feed out, remove the spool out and rewind the line.
- Line is used up.
  - Replace with a new line spool

## ACCESSORIES

	<b>WG154</b>	<b>WG154.9</b>	<b>WG157</b>
Charger	1 (WA3742)	/	1 (WA3742)
Battery pack	1 (WA3520)	/	1 (WA3512.1)
Spool	1(WA0004)		
Safety guard	1		

We recommend that you purchase your accessories from the same store that sold you the tool. Use good quality accessories marked with a well-known brand name. Choose the type according to the work you intend to undertake. Refer to the accessory packaging for further details. Store personnel can assist you and offer advice.

## IMPORTANT SAFETY INSTRUCTIONS

- **WARNING:** When using electric gardening appliances, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury, including the following:
- **WARNING:** Read all instructions
- **WARNING:** This product maybe contains lead, phthalate or other chemicals known to the State of California to cause cancer, birth defects and other reproductive harm. Please wash your hands after use.

### FOR ALL APPLIANCES

1. Avoid Dangerous Environment - Don't use appliances in damp or wet locations.
2. Don't Use In Rain.
3. Keep Children Away - All visitors should be kept at a distance from work area.
4. Dress Properly - Do not wear loose clothing or jewelry.They can be caught in moving parts. Use of rubber gloves and substantial footwear is recommended when working outdoors. Wear protective hair covering to contain long hair.
5. Use Safety Glasses - Always use face or dust mask if operation is dusty.
6. Use Right Appliance - Do not use appliance for any job except that for which it is intended.
7. Don't Force Appliance - It will do the job better and with less likelihood of a risk of injury at the rate for which it was designed.
8. Don't Overreach - Keep proper footing and balance at all times.
9. Stay Alert - Watch what you are doing. Use common sense. Do not operate appliance when you are tired.

10. Store Idle Appliances Indoors - When not in use, appliances should be stored indoors in dry, and high or locked-up place - out of reach of children.
11. Maintain Appliance With Care - Keep line cutter sharp and clean for best performance and to reduce the risk of injury. Follow instructions for lubricating and changing accessories. Inspect appliance cord periodically, and if damaged, have it repaired by an authorized service facility Inspect extension cords periodically and replace if damaged. Keep handles dry, clean, and free from oil and grease.
12. Check Damaged Parts - Before further use of the appliance, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other condition that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless indicated elsewhere in this manual.

#### FOR ALL BATTERY – OPERATED GARDENING APPLIANCES

1. For all battery-operated gardening appliances:

- Do not charge appliance in rain, or in wet locations.
- Do not use battery-operated appliance in rain. Always remove or disconnect battery pack before adjusting, cleaning, servicing or transporting the lawn trimmer.

2. For all battery-operated products employing a detachable or separable battery:

- Use only the following type and size battery (ies). WA3520 (WG154), WA3512.1 (WG157)
- Do not dispose of the battery (ies) in a fire. The cell may explode. Check with local codes for possible special disposal instructions .
- Do not open or mutilate the battery (ies). Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
- Exercise care in handling batteries in order not to short the battery with conducting materials such as rings, bracelets, and keys. The battery or conductor may overheat and cause burns.

3. Avoid Unintentional Starting – Do not insert battery with finger on switch. Be sure switch is off when inserting battery

#### ADDITIONAL SAFETY RULES FOR LAWN TRIMMER

1. Keep guards in place and in good working order.
2. Keep hands and feet away from cutting area.
3. Do not use heavier lines than recommended in this manual.
4. Do not use line materials of other types – for example, metal wire, rope, and the like.

## GENERAL SAFETY WARNINGS FOR BATTERY PACK

1. **WARNING:** Risk of fire and burns. Do not disassemble, heat above 100°C (212°F), or incinerate. Do not expose cells or batteries to heat or fire. Avoid storage in direct sunlight.
2. Dispose of used battery promptly. When disposing of secondary cells or batteries, keep cells or batteries of different electrochemical systems separate from each other.
3. Keep battery out of reach of children and in original package until ready to use.
4. Never put batteries in mouth. If swallowed, contact your physician or local poison control center.
5. **CAUTION** – The battery used in this device may present a risk of fire or chemical burn if mistreated. Replace battery with (WORX) only. Use of another battery may present a risk of fire or explosion
6. **Warning:** Do not use a visibly damaged battery pack or appliance as applicable.
7. **Warning:** Do not modify or attempt to repair the appliance or the battery pack as applicable.
8. **BATTERY MUST BE RECYCLED.**
9. Do not short-circuit a cell or battery. Do not store cells or batteries haphazardly in a box or drawer where they may shortcircuit each other or be short-circuited by conductive materials.
10. Do not subject cells or batteries to mechanical shock.
11. Keep cells and batteries clean and dry. Wipe the cell or battery terminals with a clean dry cloth if they become dirty.
12. Do not maintain secondary cells and batteries on charge when not in use.
13. Retain the original cell and battery literature for future reference.
14. Do not use any charger other than that specifically provided for use with the equipment. Secondary cells and batteries need to be charged before use. Always use the correct charger and refer to the manufacturer's instructions or equipment manual for proper charging instructions.
15. When possible, remove the battery from the equipment when not in use.
16. Prevent unintentional starting. Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the appliance. Carrying the appliance with your finger on the switch or energizing appliance that have the switch on invites accidents.
17. Disconnect the battery pack from the appliance before making any adjustments, changing accessories, or storing appliance. Such preventive safety measures reduce the risk of starting the appliance accidentally.

18. Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.
19. Have servicing performed by a qualified repair person using only identical replacement parts. This will ensure that the safety of the product is maintained.

**Warning**

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.