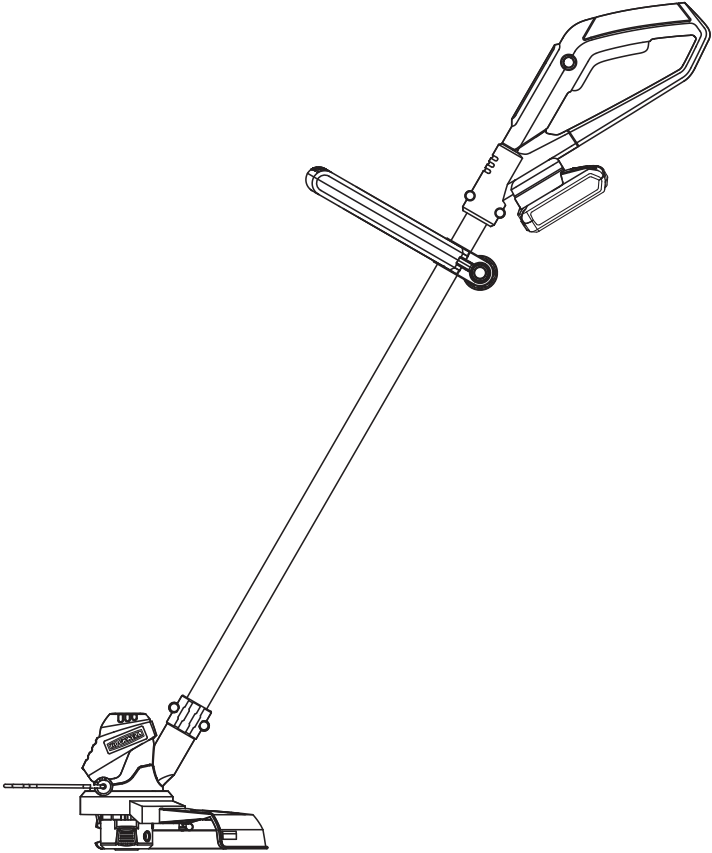


ROCKWELL®

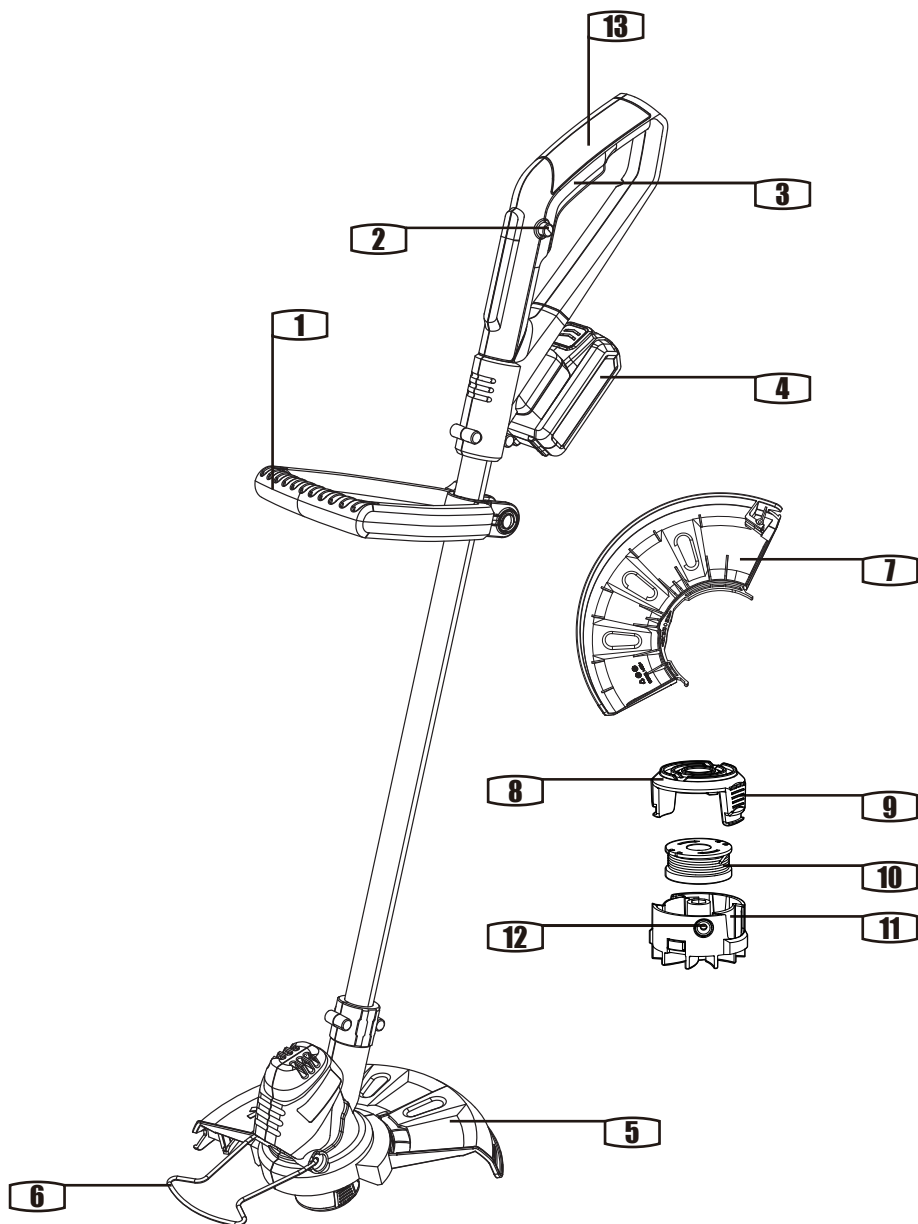


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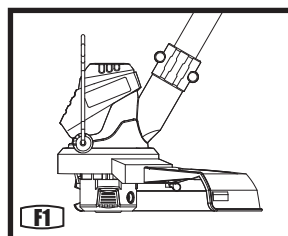
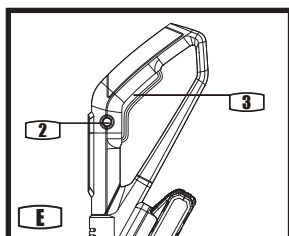
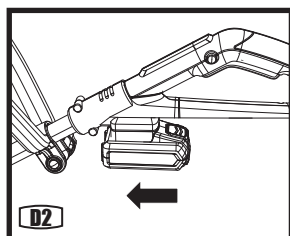
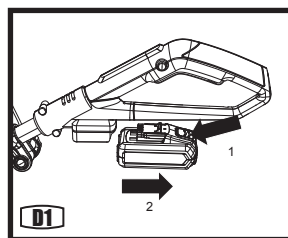
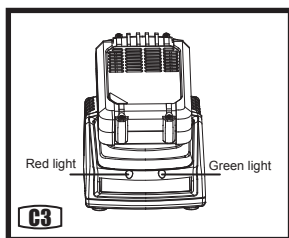
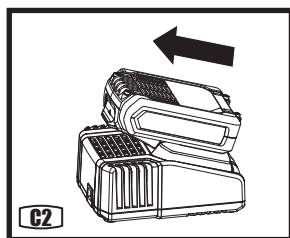
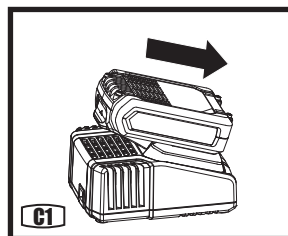
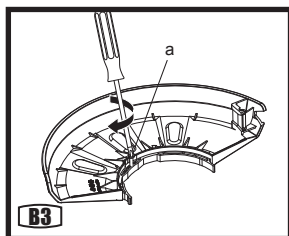
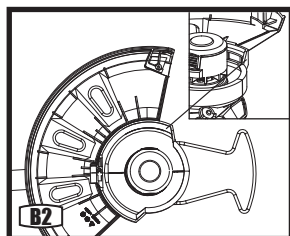
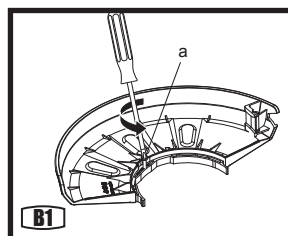
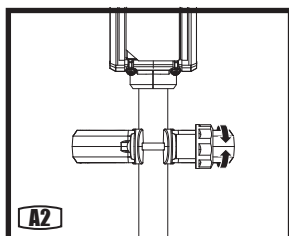
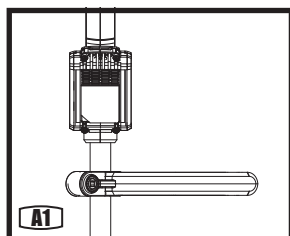
18V 250MM GRASS TRIMMER

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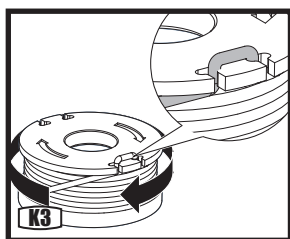
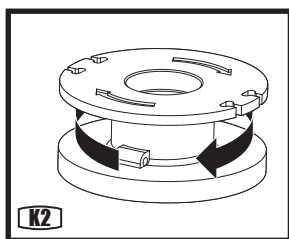
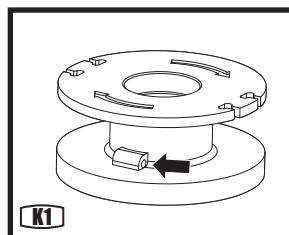
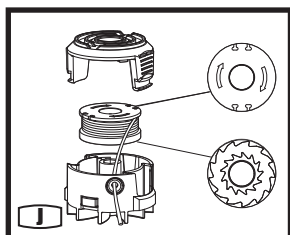
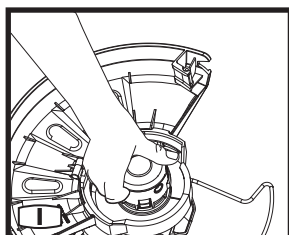
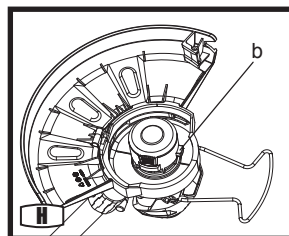
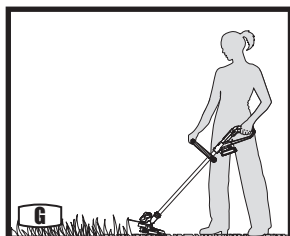
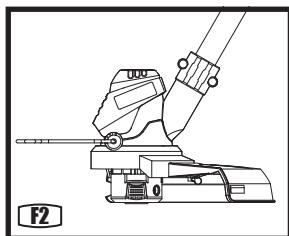
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RG8166 RG8166.9



COMPONENT LIST

-
- 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
-
- 9 Cap Release Latch
-
- 10 Spool
-
- 11 Trimmer Head
-
- 12 Eyelet
-
- 13 Main Handle
-
- 14 Line Feed Button (See Fig G1)
-

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

ACCESSORIES

	RG8166	RG8166.9
Charger (RW9897)	1	/
Battery pack (RW9894)	1	/
Safety guard	1	1
Auxiliary handle	1	1
Spacer guard	1	1

We recommend that you purchase your accessories listed in the above list from the same store that sold you the grass trimmer. Refer to the accessory packaging for further details. Store personnel can assist you and offer advice.

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.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1. WORK AREA SAFETY

- a) **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- b) **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.
- c) **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

2. ELECTRICAL SAFETY

- a) **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.
- b) **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.
- c) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool.** Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

3. PERSONAL SAFETY

- a) **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.
- b) **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.
- c) **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 energising power tools that have the switch on invites accidents.
- d) **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- e) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- f) **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.
- g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of these devices can reduce dust-related hazards.

4. POWER TOOL USE AND CARE

- a) **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.
- b) **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.
- c) **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.
- d) **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.

- e) **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.
 - f) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
 - g) **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.
- 5. Battery tool use and care**
- a) **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
 - b) **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
 - c) **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.
 - d) **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.
- 6. SERVICE**
- a) **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.

ADDITIONAL SAFETY REQUIREMENTS FOR YOUR LAWN TRIMMER

This grass trimmer is designed for cutting grass and similar soft vegetation and for trimming grass edges in private and hobby garden areas which are not accessible with a lawnmower.

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 lawn trimmer is not allowed to be used for cutting or chopping:

- hedges, shrubs and bushes,
- flowers,
- in terms of composting.

Otherwise, there is a risk of injury.

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.

IMPORTANT READ CAREFULLY BEFORE USE KEEP FOR FUTURE REFERENCE SAFE OPERATING PRACTICES

1 Training

- a) Read the instructions carefully. Be familiar with the controls and the proper use of the machine.
- b) Never allow people unfamiliar with these instructions or children to use the machine. Local regulations can restrict the age of the operator.
- c) Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.

2 Preparation

- a) Never operate the machine while people, especially children, or pets are nearby.
- b) Wear eye protection and stout shoes at all times while operating the machine.

3 Operation

- a) Use the machine only in daylight or good artificial light.
- b) Never operate the machine with damaged guards or shields or without guards or shields in place.
- c) Switch on the motor only when the hands and feet are away from the cutting means.
- d) Always remove the battery pack from the appliance,
 - whenever leaving the machine unattended;
 - before clearing a blockage;
 - before checking, cleaning or working on the machine;
 - after striking a foreign object;
 - whenever the machine starts vibrating abnormally.
- e) Take care against injury to feet and hands from the cutting means.
- f) Always ensure that the ventilation openings are kept clear of debris.

4 Maintenance and storage

- a) Remove the battery pack from the appliance before carrying out maintenance or cleaning work.
- b) Use only the manufacturer's recommended replacement parts and accessories.
- c) Inspect and maintain the machine regularly. Have the machine repaired only by an authorized repairer.
- d) When not in use, store the machine out of the reach of children.

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 POSITEC. 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.**

GENERAL 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.

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.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

ADDITIONAL SAFETY INSTRUCTIONS FOR YOUR BATTERY CHARGER

1. Before charging, read the instructions.
2. For charge Li-ion battery pack only.
3. Do not charge a leaking battery.
4. Do not use chargers for works other than those for which they are designed.
5. Before charging, ensure your charger is matching the local AC supply.
6. The charging device must be protected from moisture.
7. Do not use the charging device in the open.
8. Do not short out the contacts of battery or charger.
9. Respect the polarity “+/-“ when charging.
10. Do not open the unit and keep out of the reach of children.
11. Do not charge the batteries of other manufactures or ill-suited models.
12. Ensure that the connection between the battery charger and battery is correctly positioned and is not obstructed by foreign bodies.
13. Keep battery charger's slots are free of foreign objects and protect against dirt and humidity. Store in a dry and frost-free place.
14. When charging batteries, ensure that the battery charger is in a well-ventilated area and away from inflammable materials. Batteries can get hot during charging. Do not overcharge any batteries. Ensure that batteries and chargers are not left unsupervised during charging.
15. Do not recharge non-rechargeable batteries, as they can overheat and break.
16. Longer life and better performance can be obtained if the battery pack is charged when the air temperature is between 18°C and 24°C. Do not charge the battery pack in air temperatures below 4.5°C, or above 40.5°C. This is important as it can prevent serious damage to the battery pack.

17. Charge only battery pack of the same model provided by POSITEC and of models recommended by POSITEC.

SYMBOLS



Read instruction sheet



Wear eye protection



Wear eye protection



Keep bystanders away



Li-Ion



Li-Ion

Li-Ion battery. This product has been marked with a symbol relating to 'separate collection' for all battery packs and battery pack. It will then be recycled or dismantled in order to reduce the impact on the environment. Battery packs can be hazardous for the environment and for human health since they contain hazardous substances.



Do not burn



Batteries may enter water cycle if disposed improperly, which can be hazardous for ecosystem. Do not dispose of waste batteries as unsorted municipal waste.



For indoor use only (for charger)



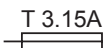
Positive terminal



Negative terminal



Double insulation (for charger)




Fuse



RCM marking

ABN: Australian Business Number. By this number, business information such as entity type, status, business location etc. can be found at website <http://abr.business.gov.au>.
ABN of Positec Australia Pty Limited is 14 101 682 357

TECHNICAL DATA

	RG8166	RG8166.9
Charger Input (RW9897)	100-240V~50/60Hz, 70W	/
Charger Output (RW9897)	20V \equiv 2500mA	/
Charging time (RW9894)	1hr	/
Battery capacity (RW9894)	2.0 Ah Li-ion	/
Voltage	18V \equiv	
No Load Speed	8500/min	
Cutting Diameter	250mm	
Line Diameter	1.65mm	
Machine Weight	1.91kg	1.55kg
Charger Protection class	 /II	/

OPERATION INSTRUCTIONS



NOTE: Before using the tool, read the instruction book carefully.

Intended Use

The machine is intended for the cutting of grass and weeds under bushes, as well as on slopes and edges that cannot be reached with the lawn mower.

ASSEMBLY

1. ASSEMBLY OF AUXILIARY HANDLE (SEE FIG. A1, A2)

Insert the shaft onto the upper housing. Hand grabbing area should face down (See B1). Attach the screw to the housing unit, and then to the knob. Finally, rotate the knob until it is hand tight. (See Fig. B2).

Note: Make sure that the handle is firmly locked in place.

2. ASSEMBLY OF THE SAFETY GUARD (SEE FIG. B1, B2, B3)

Remove the screw (c) from the guard. (See B1) Attach the safety guard to the trimmer head. Align the guard so it slides into the slots located on the trimmer head. (See B2) Secure the safety guard onto the trimmer head with the screw (a).

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. CHARGER (RW9897)

CHARGING THE BATTERY PACK (SEE FIG. C1, C2, C3)

NOTE:


- Do not use any charger other than that specifically provided for use with the equipment.
- If the battery pack is very hot you must remove your battery pack from the charger and allow time for the battery to cool down before recharging.

- c) Please charge the battery to reach fully before storage. If the tool will not be used for long periods of time, charge the battery every 3 months.





CHARGING PROCEDURE

- 1) Plug the charger into an appropriate outlet. The light will be green.
- 2) Slide the battery pack into the charger, make sure the battery is in the correct charge position firmly. The light will turn to red to indicate the charging process has started.
- 3) When charging is completed, the light will turn to green.
- 4) After fully charged, unplug the charger and remove the battery pack.

NOTE: If the battery pack is locked in the charger, press the battery pack release button and remove it.

 **WARNING:** When battery charge runs out after continuous use or exposure to direct sunlight or heat, allow time for the battery to cool down before re-charging to achieve the full charge.

CHARGING INDICATOR

Light	ON/OFF flash	Status
Red on 		Charging
Green on 		Fully Charged


3. TO REMOVE OR INSTALL BATTERY PACK (SEE FIG D1,D2)

Depress the battery release button to release battery pack from your trimmer (Fig.D1). After recharging, insert the battery pack into trimmer's battery port (Fig.D2). 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. E)


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" (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.

1. Flower Guard (SEE FIG. F1, F2)

Push the Flower Guard (6) out before trimming, as shown in Fig G1, G2.

2. Trimming (SEE FIG. G)

Position the trimmer head as shown in Fig G 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.

3. 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 quite 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 be fed out. To feed more line, it is first necessary to allow the trimmer to stop completely, and then restart, allowing the motor to reach full speed. Repeat above until you hear the lines hitting against the line cutter. (Do not repeat this procedure more than 6 times)

4. TO MANUALLY FEED THE LINE (SEE FIG. H)

If required, line can be fed out manually. Before manually feed, remove the battery first. To operate, press and release manual line feed button (B), while gently pulling out the lines until the lines 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.

5. To remove the cap (SEE FIG. I)

Press and hold in the two latches (See Fig. I). 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. Check that the cap is correctly fitted by trying to remove it without depressing the two latches.

6. To change the spool (SEE FIG. J)

Note: For your convenience it is recommended you buy replacement spools with the trimmer line preinstalled.

Remove Spool Cap Cover. **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.**

7. To Manually Wind line (See Fig K1-K3)

Important! Your trimmer is designed to use only line with a maximum diameter of 1.65mm. Take approximately 3m of line. Insert 15mm of line into the spool holes and wind line in the direction of the arrows on the top of the spool. (See Fig. K1, K2) Leave approximately 100mm of line unwound and place it into the cleat. Care should be taken to ensure that the line is neatly coiled on the spool. (See Fig. K3) Failure to do so will impair the efficiency of the automatic line feed. Then fit the spool as described above in "To changing the 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

Remove the battery before carrying out any adjustment, servicing or maintenance.

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. Occasionally you may see sparks through the ventilation slots. This is normal and will not damage your power tool.

If the charger supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

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.

Problems	Possible Causes	Corrective Action
Trimmer fails to operate.	Battery discharged. Battery too hot/cold. Motor is broken. Internal wiring of machine damaged.	Recharge battery; also see the content in charger manual Allow to cool/warm. Contact Service Agent. Contact Service Agent.
Trimmer runs intermittently.	Motor is broken. Battery not fully charged. On/Off switch defective.	Contact Service Agent. Recharge battery. Contact Service Agent.
Excessive vibrations/noise.	Machine defective. Line spool is not wound well.	Contact Service Agent. Rewind the line. See "To fit spool and line assembly."
Cutting time per battery charge too low.	Battery has not been used for long period or only charged for short term. Grass too high. Battery defective.	Fully charge battery; also see the content in charger manual Cut in stages. Replace the battery.
Machine does not cut.	Line broken. Battery not fully charged. Motor is broken (speed is too low). Grass entangled around cutting head.	Replace the line. Recharge battery; also see the content in charger manual Contact Service Agent. Remove grass.
Continuous lighting of the battery charge indicator No charging procedure possible.	Battery not (properly) inserted. Battery contacts contaminated. Battery defective.	Properly insert battery into battery charger. Clean the battery contacts (e.g. by inserting and removing the battery several times) or replace the battery. Replace the battery.
Battery charge indicator does not light up.	Plug of battery charger not plugged in (properly). Socket outlet, mains cable or battery charger defective.	Insert mains plug (fully) into the socket outlet. Check the mains voltage; have the battery charger checked by an authorized after-sales service agent.
Auto feed does not work	Cutting line is not wound well. The line is tangled. Line is used up.	Manually feed the line, if still can not feed out, remove the spool out and rewind the line. Replace with a new line spool.



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