



# RY36LT33A



# Important!

It is essential that you read the instructions in this manual before assembling, operating, and maintaining the product.

Subject to technical modification.

Safety, performance, and dependability have been given top priority in the design of your cordless line trimmer.

# INTENDED USE

The cordless line trimmer is intended for cutting long grass, pulpy weed, and similar vegetation at or about ground level.

The cutting plane should be approximately parallel to the ground surface when trimming.

The product is intended to be used only by adults who have read and understood the instructions and warnings in this manual and can be considered responsible for their actions.

The product is intended only for outdoor use in a wellventilated area. For safety reasons, the product must be adequately controlled by a two-handed operation.

Do not use the product for any other purpose.

# GENERAL PRODUCT SAFETY WARNINGS

(I) WARNING! Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below 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 mainsoperated (corded) product or battery-operated (cordless) product.

#### 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 children and bystanders away while operating a power tool. 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.
- 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.

- 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.
- 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.

#### 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 energising power tools that have the switch on invites accidents.
- 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.
- Do not overreach. Keep proper footing and balance at 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 and clothing away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.
- Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles. A careless action can cause severe injury within a fraction of a second.

#### POWER 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 remove the battery pack, if detachable, 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 and accessories. 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.
- Keep handles and grasping surfaces dry, clean and free from oil and grease. Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

#### BATTERY TOOL USE AND CARE

- 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.
- Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- 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.
- 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.
- Do not use a battery pack or tool that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.
- Do not expose a battery pack or tool to fire or excessive temperature. Exposure to fire or temperature above 130 °C may cause explosion.
- Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions. Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

#### 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.
- Never service damaged battery packs. Service of battery packs should only be performed by the manufacturer or authorized service providers.

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### LINE TRIMMER SAFETY WARNINGS

- Do not use the machine in bad weather conditions, especially when there is a risk of lightning. This decreases the risk of being struck by lightning.
- Thoroughly inspect the area for wildlife where the machine is to be used. Wildlife may be injured by the machine during operation.
- Thoroughly inspect the area where the machine is to be used and remove all stones, sticks, wires, bones, and other foreign objects. Thrown objects can cause personal injury.
- Before using the machine, always visually inspect to see that the cutter and the cutter assembly are not damaged. Damaged parts increase the risk of injury.
- Keep guards in place. Guards must be in working order and be properly mounted. A guard that is loose, damaged, or is not functioning correctly may result in personal injury.
- Keep all cooling air inlets clear of debris. Blocked air inlets and debris may result in overheating or risk of fire.
- Wear eye protection and ear protection. Adequate protective equipment will reduce personal injury.
- While operating the machine, always wear nonslip and protective footwear. Do not operate the machine when barefoot or wearing open sandals. This reduces the chance of injury to the feet from contact with the moving cutter.
- Always wear clothing such as trousers that covers the operator's legs while operating the machine. Contact with the moving cutter or line may cause injury.
- Keep bystanders away while operating the machine. Thrown debris can result in serious personal injury.
- Do not operate the machine above waist height. This helps prevent unintended cutter contact and enables better control of the machine in unexpected situations.
- Exercise caution when operating the machine in wet grass. Walk, never run. This reduces the risk of slipping and falling which may result in personal injury.
- Do not operate the machine on excessively steep slopes. This reduces the risk of loss of control, slipping and falling which may result in personal injury.
- When working on slopes, always be sure of your footing, always work across the face of slopes, never up or down and exercise extreme caution when changing direction. This reduces the risk of loss of control, slipping and falling which may result in personal injury.
- Keep all power cords and cables away from cutting area. Power cords or cables may be hidden in hedges or bushes and can be accidentally cut or damaged by the line or cutter.
- Keep all parts of the body away from the moving trimmer cutter or line. Do not clear material from the machine until it has been disconnected from the power source. The moving trimmer cutter or line may result in serious personal injury.
- Carry the machine with the machine switched off and away from your body. Proper handling of the machine will reduce the likelihood of accidental contact with a moving trimmer cutter or line.

 Only use replacement cutting heads and trimmer cutters or lines specified by the manufacturer. Do not replace the trimmer cutters or lines with metal wires or blades. Incorrect replacement parts may cause loss of control, breakage and injury.

#### ADDITIONAL SAFETY WARNINGS

- Before use and after any impact, check that there are no damaged parts on the product. A defective switch or any part that is damaged or worn should be properly repaired or replaced by an authorised service centre.
- The small blade fitted to the safety guard is designed to trim the newly extended line to the correct length for safe and optimum performance. The blade is very sharp. Do not touch the blade, particularly when cleaning the product.
- Use only the manufacturer's replacement cutting line.
  Do not use any other cutting attachment.
- Make sure that the cutting attachment is properly installed and securely fastened.
- Never operate the product unless all guards, deflectors, and handles are properly and securely attached.
- Ensure that the line cut-off blade in the guard is properly positioned and secured before each use.
- Keep the head attachment below waist level.
- Immediately turn off the product and remove the battery pack in the event of an accident or a breakdown. Do not operate the product again until it has been fully checked by an authorised service centre.
- To reduce the risk of injury associated with contacting moving parts, always turn off the product, remove the battery pack, and allow both to cool down. Make sure that all moving parts have come to a complete stop:
  - before servicing
  - before clearing a blockage
  - before checking, cleaning, and working on the product
  - before changing accessories
  - after striking a foreign object
  - whenever leaving the product unattended
  - whenever performing maintenance
  - whenever the product starts to vibrate abnormally
- Ensure that all guards and handles are properly fitted and are in good condition.
- Hold the product by designated handles, and restrict working time and exposure.
- Beware of objects thrown by the cutting means. Clear debris like small stones, gravel, and other foreign objects from the work area before starting operation. Wires or string may become entangled with the cutting means.
- Always ensure that ventilation openings are kept clear of debris.
- Injuries may be caused, or aggravated, by prolonged use of the product. When using the product for prolonged periods, ensure that you take regular breaks.
- Operate the product only in temperatures between 0 °C and 40 °C.
- Store the product in a location where the ambient temperature is between 0 °C and 40 °C.

# ADDITIONAL BATTERY SAFETY WARNINGS

- To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse the product, battery pack, or charger in fluid or allow fluid to flow inside them. Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach-containing products, etc., can cause a short circuit.
- Charge the battery pack in a location where the ambient temperature is between 10 °C and 38 °C.
- Store the battery pack in a location where the ambient temperature is between 0 °C and 20 °C.
- Use the battery pack in a location where the ambient temperature is between 0 °C and 40 °C.

#### TRANSPORTATION AND STORAGE

- Turn off the product, remove the battery pack, and allow both to cool down before storing or transporting.
- Remove all foreign materials from the product.
- Do not store or transport the product with the battery pack fitted. Remove the battery pack, and secure it separately. Store the product in a cool, dry, and wellventilated place that is inaccessible to children. Keep the product away from corrosive agents, such as garden chemicals and de-icing salts. Do not store the product outdoors.
- For transportation in vehicles, secure the product against movement or falling to prevent injury to persons or damage to the product.

### TRANSPORTING LITHIUM BATTERIES

- Transport the battery pack in accordance with local and national provisions and regulations.
- Follow all special requirements on packaging and labelling when transporting batteries by a third party. Ensure that no batteries can come in contact with other batteries or conductive materials while in transport by protecting exposed connectors with insulating, nonconductive caps or tape. Do not transport batteries that are cracked or leaking. Check with the forwarding company for further advice.

#### MAINTENANCE

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- Use only original manufacturer's replacement parts, accessories, and attachments. Failure to do so can cause possible injury, can contribute to poor performance, and may void your warranty.
- Servicing requires extreme care and knowledge and should be performed only by a qualified service technician. Have the product serviced by an authorised service centre only.
- Turn off the product and remove the battery pack before conducting any maintenance or cleaning work.
- You may make adjustments or repairs described in this manual. For other repairs, contact an authorised service centre.
- For the replacement line, use only a nylon filament line of the diameter described in the specifications table of this manual.
- After each use, clean the product with a soft, dry cloth. Any part that is damaged should be properly repaired or replaced by an authorised service centre.

- Check all nuts, bolts, and screws before each use and at frequent intervals for proper tightness to ensure that the product is in safe working condition. Any part that is damaged should be properly repaired or replaced by an authorised service centre.
- Bring the product to an authorised service centre to replace damaged or unreadable labels..

# KNOW YOUR PRODUCT

#### See page 6.

- 1. Rear handle
- 2. Lock-out trigger
- 3. Variable speed trigger
- 4. Battery port
- 5. Spool cover
- 6. Spool
- 7. Cutting line
- 8. Line cut-off blade
- 9. Front handle
- 10. Safety guard
- 11. Operator's manual
- 12. Battery pack
- 13. Charger

# SYMBOLS ON THE PRODUCT



Safety alert

Read and understand all the instructions before operating the product. Follow all the warnings and safety instructions.



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Wear eye, ear, and head protection.



Wear non-slip, heavy-duty gloves.



Wear non-slip safety footwear when using the product.



Do not use metal blade(s) on the product.



Do not expose the product to rain or damp conditions.



Beware of thrown or flying objects. Keep all bystanders a safe distance away from the product.



Keep hands away from blades.

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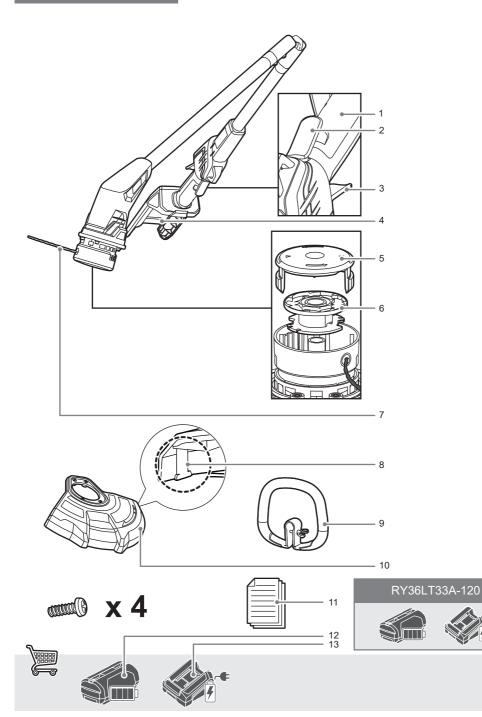
Remove the battery pack before starting any work on the product.



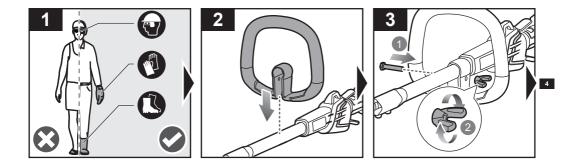
Guaranteed sound power level

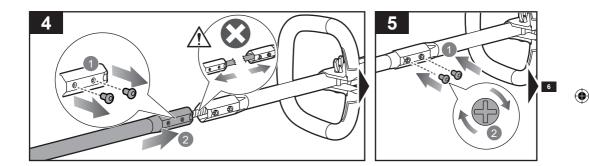
Do not dispose of waste batteries, waste electrical and electronic equipment as unsorted municipal waste. Waste batteries and waste electrical and electronic equipment must be collected separately. Waste batteries, waste accumulators, and light sources have to be removed from the equipment. Check with your local authority or retailer for recycling advice and collection point. According to local regulations, retailers may have an obligation to take back waste batteries and waste electrical and electronic equipment free of charge. Your contribution to the reuse and recycling of waste batteries and waste electrical and electronic equipment helps to reduce the demand of raw materials. Waste batteries, in particular containing lithium, and waste electrical and electronic equipment contain valuable and recyclable materials, which can adversely impact the environment and the human health if not disposed of in an environmentally compatible manner. Delete personal data from waste equipment, if any.

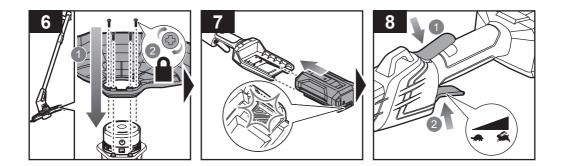


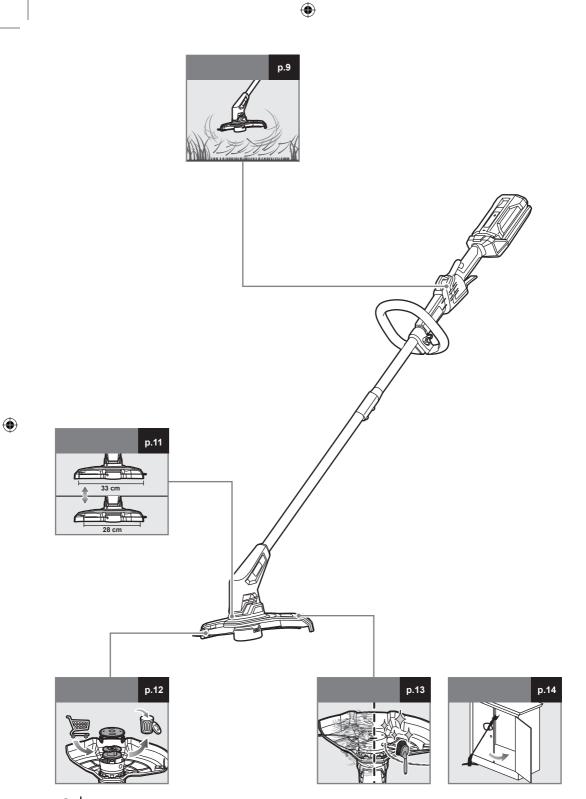


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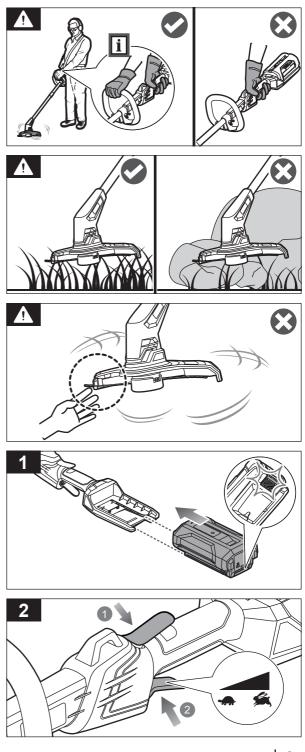


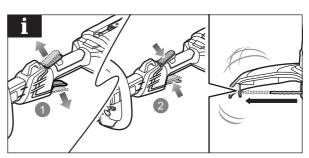


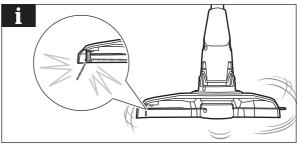


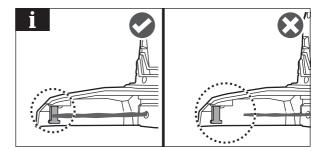


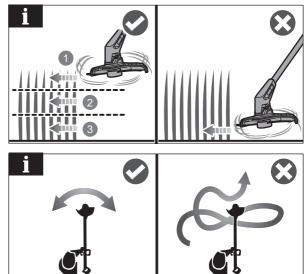


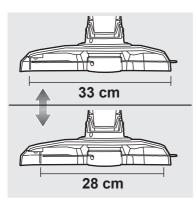


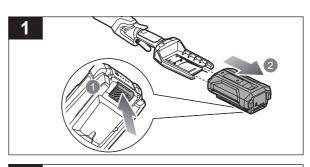




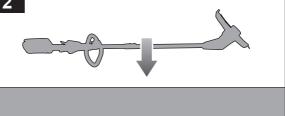


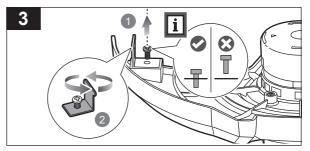


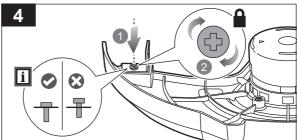


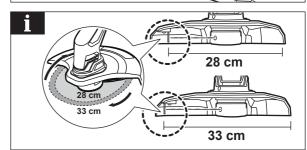


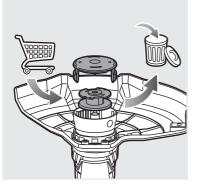


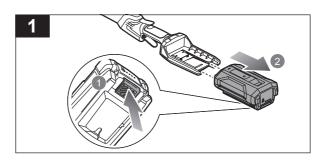




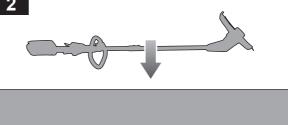


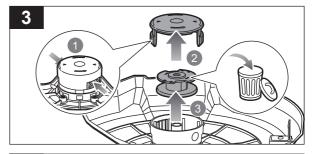


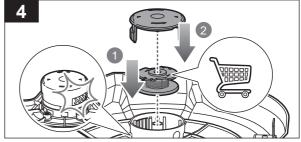


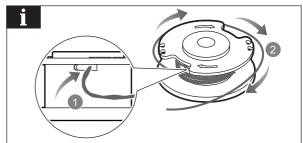


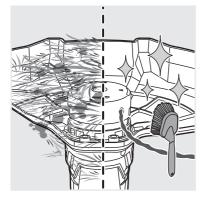


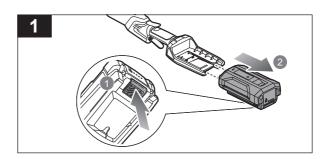




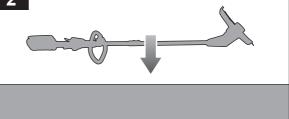


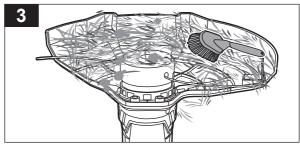


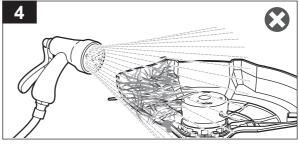


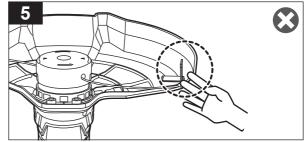




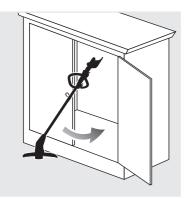


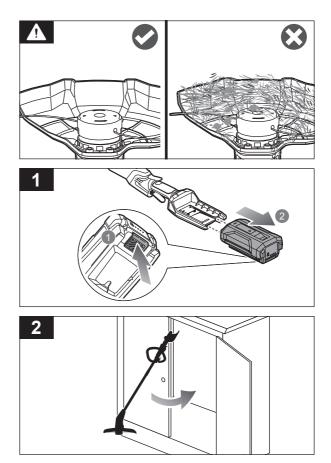














# **PRODUCT SPECIFICATIONS**

Cordless line trimmer according to lawn trimmer requirements		
Model		RY36LT33A
Voltage		36 V d.c.
No-load speed		6800 - 7500 /min
Cutting line diameter		2.0 mm
Cutting capacity		28 – 33 cm
Vibration total values determined according to IEC 62841-4-4		
Vibration emission value		
Front handle		a <sub>b</sub> = 1.6 m/s²
Rear handle		a <sub>b</sub> = 0.8 m/s <sup>2</sup>
Uncertainty		K = 1.5 m/s <sup>2</sup>
Noise emission values determined according to IEC 62841-4-4		
A-weighted sound pressure level at operator's position		L <sub>pA</sub> = 78.7 dB
Uncertainty		K = 3.0 dB
A-weighted sound power level		L <sub>WA</sub> = 89.9
Uncertainty		K = 2.0 dB
L <sub>wa</sub> + K		92 dB
BATTERY AND CHARGER		
Model	RY36LT33A-120	RY36LT33A-0
Battery pack	2 Ah	_
Charger	RY36C17A	-
Compatible battery packs	RY36, BPL36	
Compatible chargers	BCL3620, BCL30F, RY36C	
REPLACEMENT PART		

#### REPLACEMENT PART

Complete spool

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RAC102, RAC103, RAC133, RAC142, RAC143

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▲ WARNING! The declared vibration total values and the declared noise emission values given in this instruction manual have been measured in accordance with a standardised test and may be used to compare one tool with another. They may be used for a preliminary assessment of exposure.

The declared vibration and noise emission values represent the main applications of the tool. However, if the tool is used for different applications, used with different accessories, or poorly maintained, the vibration and noise emission may differ. These conditions may significantly increase the exposure levels over the total working period. An estimation of the level of exposure to vibration and noise should take into account the times when the tool is turned off or when it is running idle. These conditions may significantly reduce the exposure level over the total working period.

Identify additional safety measures to protect the operator from the effects of vibration and noise, such as maintaining the tool and the accessories, keeping the hands warm (in case of vibration), and organising work patterns.

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# **RYOBI WARRANTY APPLICATION CONDITIONS**

In addition to any statutory rights resulting from the purchase, this product is covered by a warranty as stated below.

- The warranty period is 24 months for consumers and commences on the date when the product was purchased. This date has to be documented by an invoice or other proof of purchase. The product is designed and dedicated to consumer and private use only. So there is no warranty provided in case of professional or commercial use. This warranty applies only on new products.
- 2. There is a possibility to extend for a part of the range of power tools (AC/DC) the warranty period over the period described above using the registration on the www.ryobitools.eu website. The eligibility of products for extended warranty is clearly displayed in stores and / or on packaging and is contained within the product documentation. The end user is required to register his/her newly-acquired products online within 30 days from the date of purchase. The end user may register for the extended warranty in his/her county of residence if listed on the online registration form where this option is valid. Furthermore, end users must give their consent to the storage of their personal data that is required to be entered online. They must also accept the terms and conditions. The registration confirmation receipt, which is sert out by e-mail, and the original invoice showing the date of purchase will serve as proof of the extended warranty.
- 3. The warranty covers all defects of the product during the warranty period due to faults in workmanship or material at the purchase date. The warranty is limited to repair and/or replacement and does not include any other obligations including but not limited to incidental or consequential damages. The warranty is not valid if the product has been misused, used contrary to the instruction manual, or has been incorrectly connected to a power supply. This warranty does not apply to:
  - any damage to the product that is the result of improper or lack of maintenance
  - any product that has been altered or modified
  - any product where original identification (trade mark, serial number) markings have been defaced, altered or removed
  - any damage caused by non-observance of the instruction manual
  - any product not displaying the CE approval mark on the rating plate
  - any product that has been attempted to be repaired by a non-authorised
  - warranty service centre or without prior authorisation by Techtronic Industries
  - any product connected to improper power supply (amps, voltage, frequency)
    any product used with inappropriate fuel mixture (fuel, oil, ratio of oil/ fuel mixture)
  - any damage caused by external influences (water, chemical, physical, shocks) or foreign substances
  - normal wear and tear spare parts

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- inappropriate use, overloading of the tool
- use of non-approved accessories or parts
- Accessories provided with the tool or purchased separately including but not limited to blades, saw chains, cutting lines, etc.
- Any periodic adjustments to or maintenance cleaning of carburettors
- Components (parts and accessories) subject to natural wear and tear, including but not limited to bump knobs, drive belts, clutch, blades of hedge trimmers or lawn mowers, harness, cable throttle, carbon brushes, power cord, tines, felt washers, hitch pins, blower fans, blower and vacuum tubes, vacuum bag and straps, guide bars, saw chains, hoses, connector fittings, spray nozzles, wheels, spray wands, inner reels, outer spools, cutting lines, spark plugs, air filters, gas filters, mulching blades, etc.
- 4. For servicing, the product must be sent or presented to a RYOBI authorised service station listed for each country in the following list of service station addresses. In some countries your local RYOBI dealer undertakes to send the product to the RYOBI service organisation. When sending a product to a RYOBI service station, the product should be safely packed without any dangerous contents such as petrol, marked with sender's address and accompanied by a short description of the fault.
- 5. A repair / replacement under this warranty is free of charge. It does not constitute an extension or a new start of the warranty period. Exchanged parts or products become our property. In some countries delivery charges or postage will have to be paid by the sender. Your statutory rights arising from the purchase of the product remain unaffected.
- This warranty is valid in the European Community, Switzerland, Iceland, Norway, Liechtenstein, Turkey, Russia, and the United Kingdom. Outside these areas, please contact your authorised RYOBI dealer to determine if another warranty applies.

# AUTHORISED SERVICE CENTRE

Any request or issue with the product can be addressed to your local authorised service centres (visit www.ryobitools.eu) or directly to: Techtronic Industries GmbH, Max Eyth Straße 10, 71364 Winnenden, Germany. Please state the serial number and product type printed on the label.

RYOBI is a trade mark of Ryobi Limited, and is used under license.

# EC DECLARATION OF CONFORMITY

Manufacturer: Techtronic Industries GmbH Max-Eyth-Straße 10, 71364 Winnenden, Germany

We declare as the manufacturer under our sole responsibility that the product mentioned below

Cordless line trimmer Brand: RYOBI Model number: RY36LT33A Serial number range: 47519401000001 - 47519401999999

fulfills all the relevant provisions of the following European Directives, European Regulations and harmonised standards:

2006/42/EC, 2014/30/EU, 2000/14/EC, 2005/88/EC, 2011/65/EU, (EU)/2015/863, EN 62841-1:2015+A11:2022, EN ISO 12100:2010, EN IEC 55014-1:2021, EN IEC 55014-2:2021, EN IEC 63000:2018

#### Measured sound power level: 89.9 dB(A) Guaranteed sound power level: 92 dB(A)

Conformity assessment method to Annex VI Directive 2000/14/EC amended by 2005/88/EC.

Notified body: No. 0197 – TÜV Rheinland LGA Products GmbH Tillystraße 2 - 90431 Nürnberg – Germany

Todd Chipner Vice President, Quality - Ryobi Asia Winnenden, Apr. 20, 2023

Authorised to compile the technical file: Alexander Krug, Managing Director Techtronic Industries GmbH Max-Eyth-Straße 10, 71364 Winnenden, Germany

#### **GB-DECLARATION OF CONFORMITY**

Manufacturer: Techtronic Industries GmbH Max-Eyth-Straße 10, 71364 Winnenden, Germany

We declare as the manufacturer under our sole responsibility that the product mentioned below

- Cordless line trimmer
- Brand: RYOBI
- Model number: RY36I T33A
- Serial number range: 47519401000001 47519401999999

fulfills all the relevant provisions of the following Regulations: S.I. 2008/1597 (as amended), S.I. 2016/1091 (as amended), S.I. 2001/1701 (as amended), S.I. 2012/3032 (as amended) and that the following designated standards have been used:

BS EN 62841-1:2015+A11:2022, BS EN ISO 12100:2010, BS EN IEC 55014-1:2021, BS EN IEC 55014-2:2021, BS EN IEC 63000:2018

Measured sound power level: 89.9 dB(A) Guaranteed sound power level: 92 dB(A) Conformity assessment method to S.I. 2001/1701 Schedule 9 (as amended)

Approved body: No. 0197 – TÜV Rheinland LGA Products GmbH Tillystraße 2 - 90431 Nürnberg – Germany

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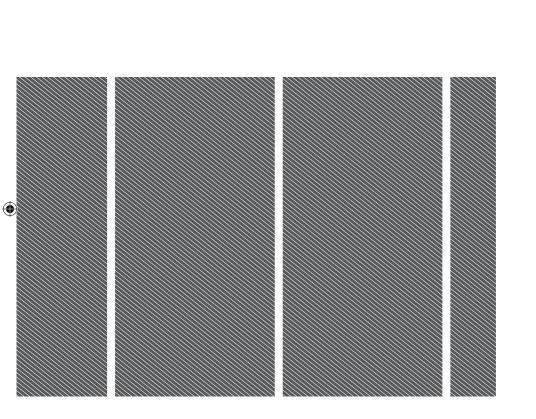
Todd Chipner Vice President, Quality - Ryobi Asia Winnenden, Apr. 20, 2023

Authorised to compile the technical file: Techtronic Industries (UK) Ltd Parkway Marlow Bucks SL7 1YL UK









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# **Techtronic Industries GmbH** Max-Eyth-Straße 10, 71364 Winnenden, Germany

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