

**RYOBI®**

ORIGINAL INSTRUCTIONS

# Cordless Blower

RBL1850S  
RBL1820S  
OBL1820S



## **Important!**

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

Subject to technical modification.

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

### INTENDED USE

The cordless blower is only intended for use outdoors in dry and well-illuminated conditions.

The product is not intended to be used by children or persons with reduced physical, mental or sensory capabilities.

The product is intended for blowing light debris including leaves, grass, and other garden refuse.

### 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 instruction for future reference.

The term “power tool” in the warnings refers to your mains-operated (corded) power tool or 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 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 injury.
- **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, clothing and gloves 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.

### 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 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.

#### 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.

#### SERVICE

- **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that safety of the power tool is maintained.

#### CORDLESS BLOWER SAFETY WARNINGS

- Some regions have regulations that restrict the use of the product in some operations. Check with your local authority for advice.
- Do not allow children, persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge, or people unfamiliar with these instructions to use the product. Local regulations may restrict the age of the operator.
- Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.
- Keep bystanders, children and pets 15 m away from the area of operation. Stop the product if anyone enters the area.
- While operating the product, always wear substantial footwear and long trousers. Do not operate the machine when barefoot or when wearing open sandals. Avoid wearing clothing that is loose fitting or that has hanging cords or ties; they can be caught in moving parts.
- Do not wear loose clothing or jewellery that can be drawn into the air inlet.
- Secure long hair so it is above shoulder level to prevent entanglement in moving parts.

- Wear hearing protection at all times while operating the product. The product is extremely noisy and permanent hearing injury may result if instructions to limit exposure, reduce noise and wear hearing protection are not strictly followed.
- Wear full eye protection at all times while operating the product. The manufacturer strongly suggests a full face mask or fully enclosed goggles. Normal spectacles or sunglasses are not adequate protection. Objects can be thrown at high speed by the powerful air jet at any time and may rebound from hard surfaces toward the operator.
- Before each use, ensure that all controls and safety devices function correctly. Do not use the tool if the off switch does not stop the product.
- Before each use, always inspect the housing for damage. Ensure that guards and handles are in place and properly secured.
- Never operate the product with defective guards or shields, or without safety devices, such as debris collector, in place.
- Keep all cooling air inlets clear of debris.
- Use rakes and brooms to loosen debris before blowing.
- Clear the work area before each use. Remove all objects, such as rocks, broken glass, nails, wire, or string, which can be blown a considerable distance by high velocity air, or become entangled in the fan.

#### GENERAL OPERATION

- Operate the product only at reasonable hours – not early in the morning or late at night when people might be disturbed.
- Do not operate the product in an explosive atmosphere.
- Avoid using the product in bad weather conditions, especially when there is a risk of lightning.
- Do not operate the product in poor lighting. The operator requires a clear view of the work area to identify potential hazards.
- Use of hearing protection reduces the ability to hear warnings (shouts or alarms). The operator must pay extra attention to what is going on in the work area.
- Do not get distracted, and always concentrate on the task.
- Operating similar tools nearby increases both the risk of hearing injury and the potential for other persons to enter your work area.
- Keep firm footing and balance. Do not overreach. Overreaching can result in loss of balance.
- Always be sure of the footing on slopes. Walk, never run.
- Keep all parts of your body away from any moving part.
- Never run the product without the proper equipment attached.
- Do not modify the product in any way or use parts and accessories that are not recommended by the manufacturer.

### WARNING

If the product is dropped, suffers heavy impact or begins to vibrate abnormally, immediately stop the product and inspect for damage or identify the cause of the vibration. Any damage should be properly repaired or replaced by an authorised service centre.

To reduce the risk of injury associated with contacting rotating parts, always stop the machine, remove the battery pack, and make sure all moving parts have stopped:

- before cleaning or clearing a blockage
- when leaving the product unattended
- before installing or removing attachments
- before checking, maintaining or working on the product
- if the machine starts to vibrate abnormally (inspect immediately)

### BLOWER SPECIFIC SAFETY WARNINGS

- Wear a face filter mask in dusty conditions to reduce the risk of injury associated with the inhalation of dust.
- Slightly dampen surfaces in dusty conditions.
- Do not point the blower nozzle in the direction of people or pets.
- Never place objects inside the blower tubes.
- Do not operate the product near open windows.
- Use the full blower nozzle extension so that the air stream can work close to the ground and perform effectively.
- Do not place blower on top of or near loose debris. Debris can be sucked into the intake vent, resulting in possible damage to the product.

### ADDITIONAL BATTERY SAFETY WARNINGS

#### WARNING

To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse your tool, battery pack or charger in fluid or allow a 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.

### TRANSPORTATION AND STORAGE

- Stop the product, remove the battery, and allow it to cool before storing or transporting.
- Clean all foreign materials from the product. Store the product in a cool, dry, and well-ventilated place that is inaccessible to children. Keep away from corrosive agents, such as garden chemicals and de-icing salts. Do not store 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 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, non-conductive caps or tape. Do not transport batteries that are cracked or leaking. Check with the forwarding company for further advice.

### MAINTENANCE

#### WARNING

Use only original manufacturer's replacement parts, accessories, and attachments. Failure to do so can cause possible injury and poor performance, and may void your warranty.

#### WARNING

Servicing requires extreme care and knowledge and should be performed only by a qualified service technician. For service, bring the product to an authorised service centre. When servicing, use only identical replacement parts.

- To reduce the risk of injury associated with contacting rotating parts, always stop the machine, remove the battery pack, and make sure all moving parts have come to a complete stop:
  - before cleaning or clearing a blockage
  - when leaving the product unattended
  - before installing or removing attachments
  - before checking, maintaining or working on the product
  - if the machine starts to vibrate abnormally (inspect immediately)
- Do not make adjustments and repairs not described in this manual. For other repairs, contact an authorised service agent.
- After each use, clean the product with a soft dry cloth.
- Check all nuts, bolts, and screws 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.

### RESIDUAL RISKS

Even when the product is used as prescribed, it is still impossible to completely eliminate certain residual risk factors. The following hazards may arise in use and the operator should pay special attention to avoid the following:

- Injury caused by vibration. Always use the right tool for

the job and use designated handles.

- Hearing injury caused by exposure to noise. Wear ear protection and limit exposure.
- Injury from flying objects from the blow tube airflow. Wear eye protection at all times.

### RISK REDUCTION

It has been reported that vibrations from handheld tools may contribute to a condition called Raynaud's Syndrome. 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. 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.
- 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 doctor.

### ⚠ WARNING

Injuries may be caused, or aggravated by prolonged use of a tool. When using any tool for prolonged periods, ensure you take regular breaks.

### KNOW YOUR PRODUCT

See page 6.

1. Handle
2. On/Off switch
3. Tube latch
4. Blow tube
5. Nozzle tab
6. High speed nozzle
7. Battery pack
8. Battery latch button
9. Battery charger

### SYMBOLS ON THE PRODUCT



Safety alert



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



Beware of thrown or flying objects. Keep all bystanders, especially children and pets, at least 15 m away from the operating area.



Rotating fans. Keep hands and feet out of openings while the product is running.



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



Wear ear protection.



Wear eye protection.



Do not expose to rain or damp condition.



Conforms to all regulatory standards in the country in the EU where the product is purchased.



EurAsian Conformity Mark



Ukrainian mark of conformity



Guaranteed sound power level is 94 dB.



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

### SYMBOLS IN THIS MANUAL



Note



Warning

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

#### ⚠ DANGER

Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.

#### ⚠ WARNING

Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.

#### ⚠ CAUTION

Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury.

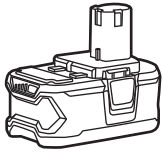
#### CAUTION

Without safety alert symbol

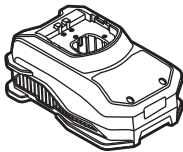
Indicates a situation that may result in property damage.

RBL1850S

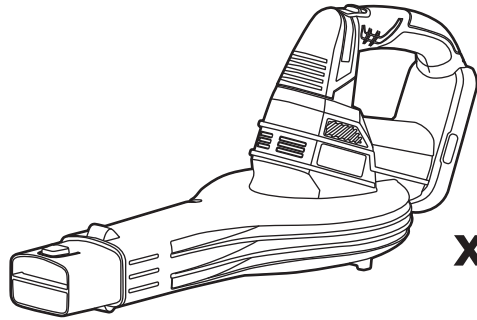
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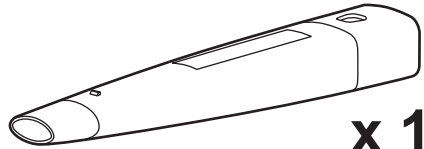
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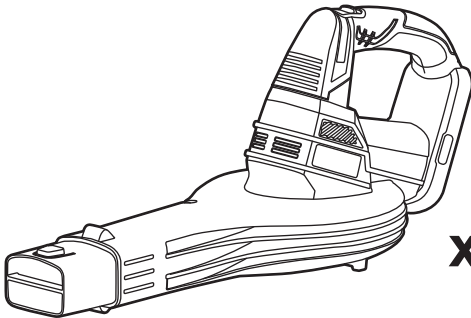


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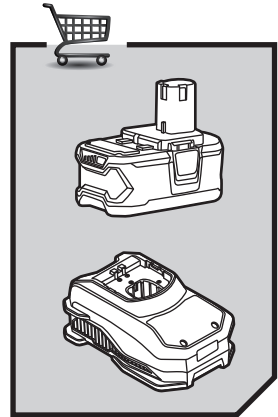


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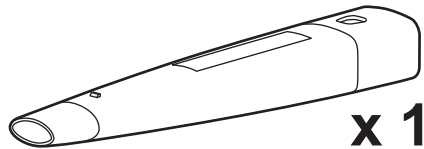
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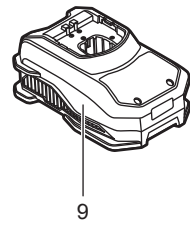
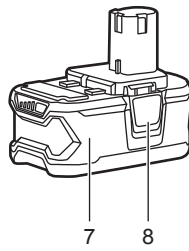
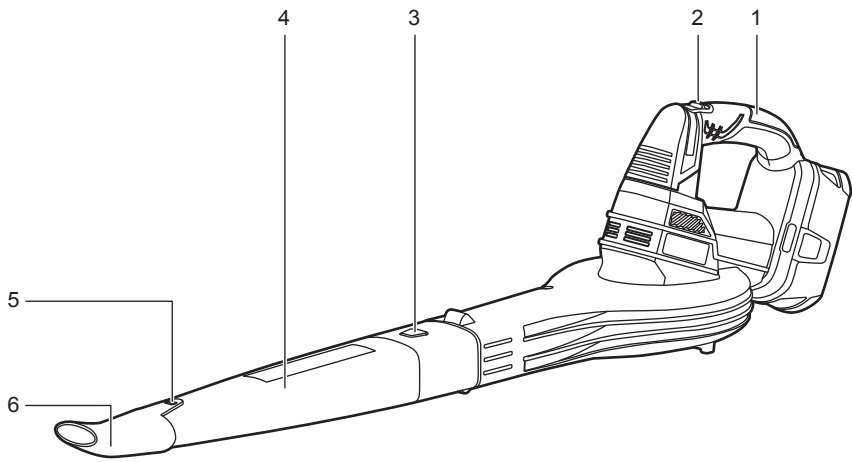
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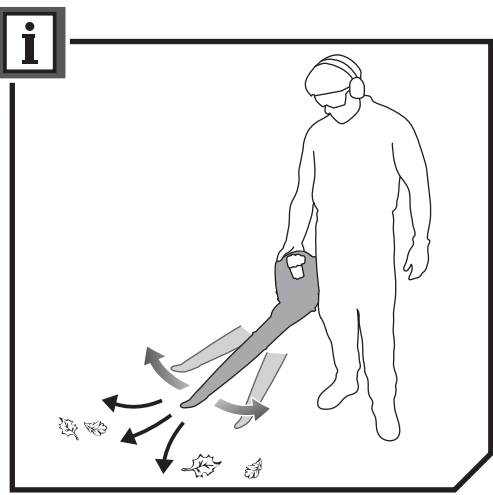
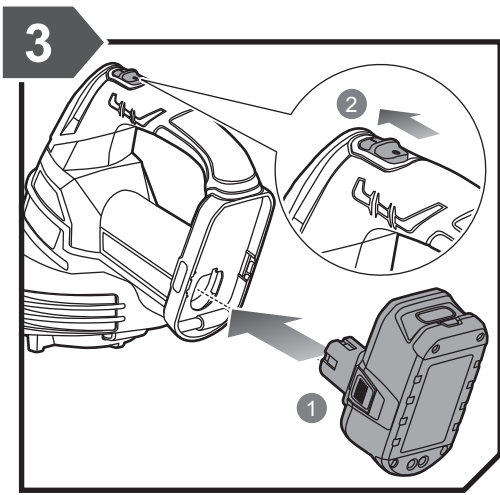
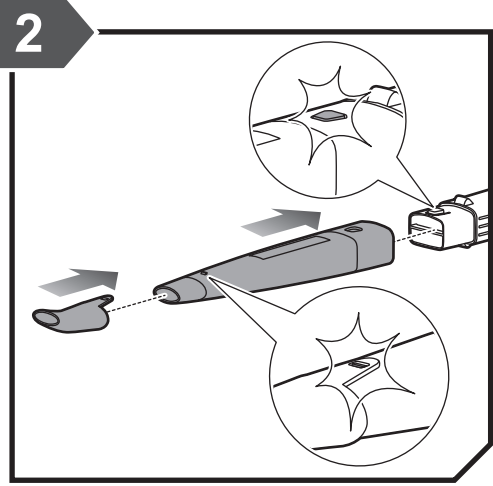
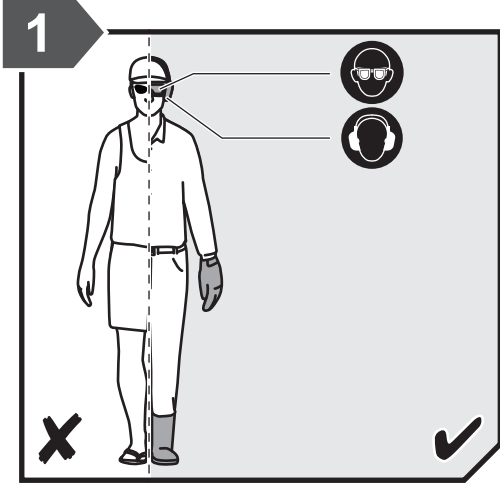
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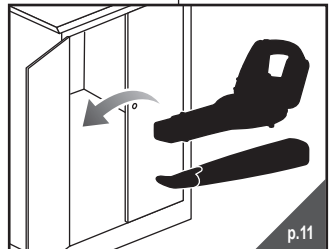
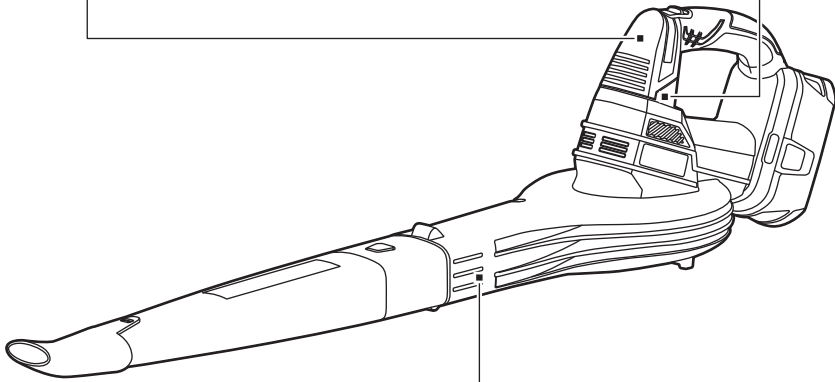
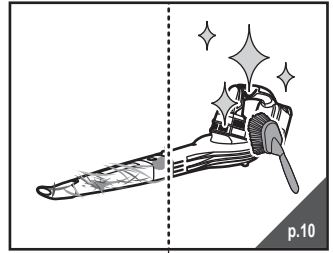
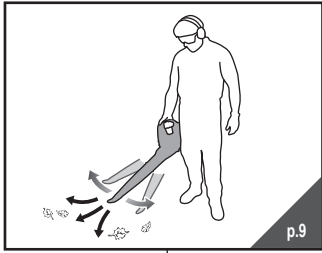


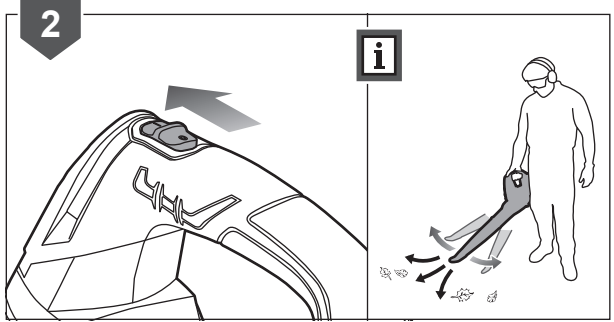
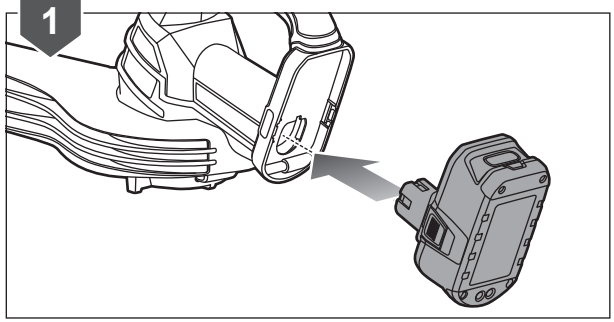
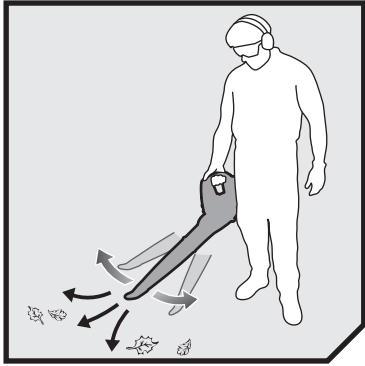
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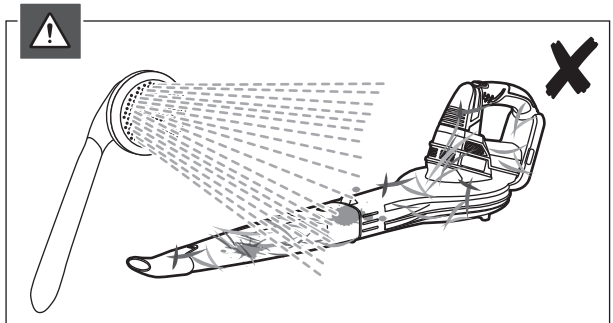
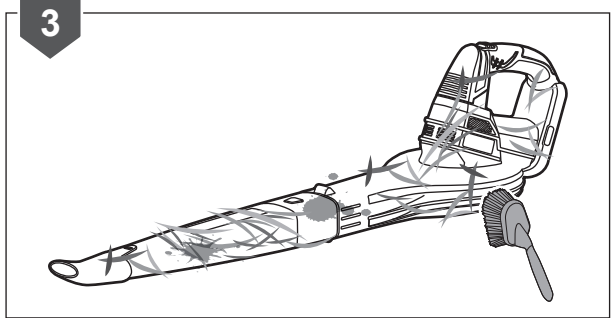
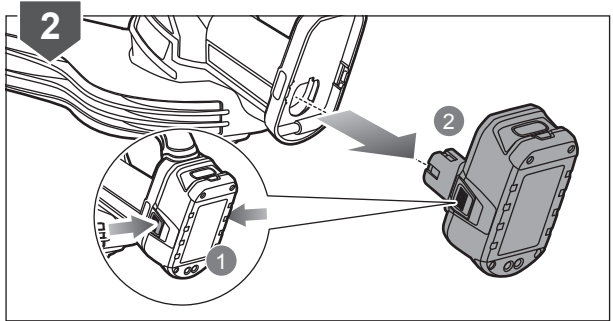
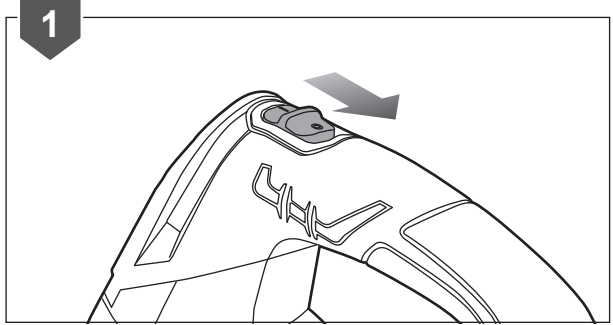
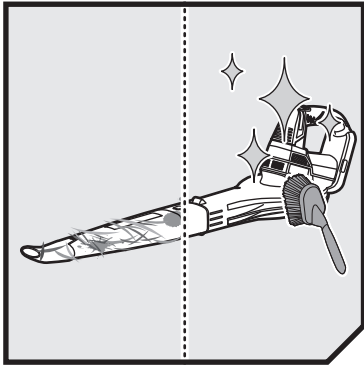


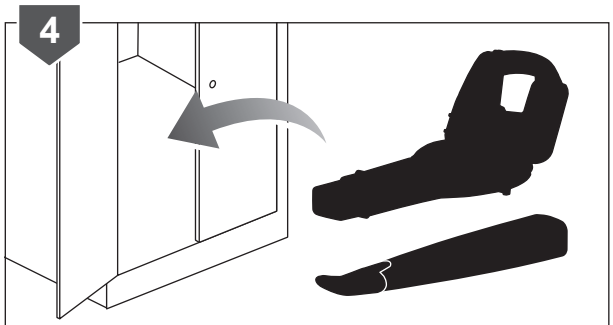
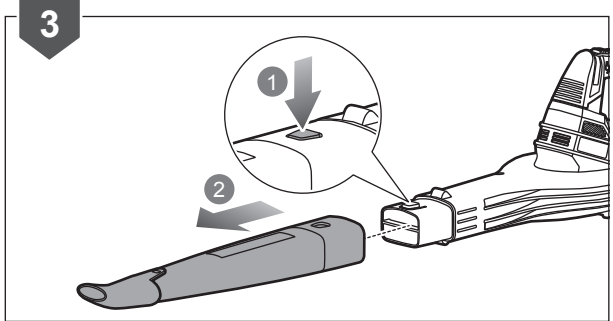
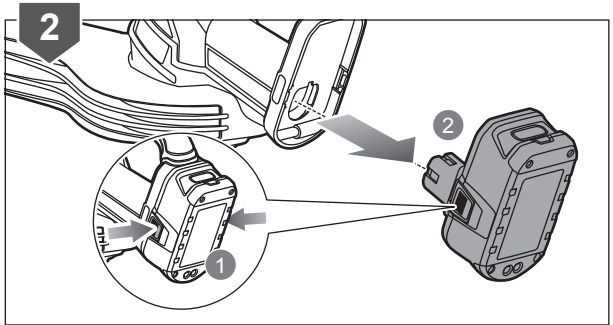
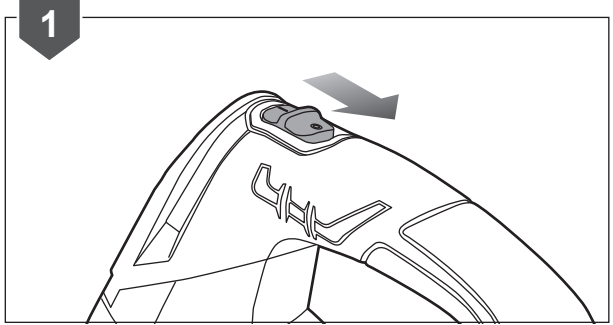












## PRODUCT SPECIFICATIONS

Cordless blower

Model RBL1850S/RBL1820S/  
OBL1820S

Rated voltage 18 V

Air velocity 245 km/h

Weight (without battery) 1.60 kg

Vibration level (in accordance with Annex B of EN 15503:2009+A2:2015

Total value 0.88 m/s<sup>2</sup>

Uncertainty of measurement 1.5 m/s<sup>2</sup>

Noise emission level (in accordance with Annex A of EN 15503:2009+A2:2015

A-weighted sound pressure level at operator's position 77.6 dB(A)

Uncertainty of measurement 2.5 dB

A-weighted sound power level 92.5 dB(A)

Uncertainty of measurement 1.5 dB

## BATTERY AND CHARGER

Model	RBL1850S	RBL1820S	OBL1820S
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Battery pack	RB18L50	RB18L40	-
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Weight	0.73 kg	0.73 kg	-
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Charger	BCL14181H	BCL14181H	-
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Weight	0.58 kg	0.58 kg	-
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Compatible battery pack	RB18L13 / RB18L15 / RB18L25 / RB18L26 / RB18L40 / RB18L50		
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Compatible charger	BCL1418 / BCL14181H / BCL14183H		
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## VIBRATION LEVEL

### WARNING

The declared vibration value has been measured with a standard test method and may be used to compare one tool with another.

The declared vibration value may be used in a preliminary assessment of exposure.

The vibration emission during actual use of power tool can differ from the declared total value depending on the ways in which the tool is used.

Identify safety measures to protect yourself based on an estimation of exposure in the actual conditions of use, taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time.

## AUTHORISED SERVICE CENTRES

### **ACD PLANT LTD**

145 Southbank Road  
Coundon  
Coventry, West Midlands  
CV6 1FG  
Phone: 02476 594348  
Email: danmcgunigle@acdplant.co.uk  
Web: www.acdplant.co.uk

### **CBS Power Tools Limited**

Unit 4, V P Square  
Stores Bar Rd, Fengate  
Peterborough, Cambridgeshire  
PE1 5YS  
Phone: 01733 343031  
Email: steve@cbspowertools.co.uk  
Web: www.cbspowertools.com

### **C D Powertools**

76 Old Road  
Churwell Morley, Leeds  
LS27 7TH  
Phone: 0113 2718494  
Email: info@cdpowertools.co.uk  
Web: www.cdpowertools.co.uk

### **C J Sinclair Limited**

44 Victoria Road  
St Peters  
Broadstairs, Kent  
CT10 2UG  
Phone: 01843 869400  
Email: repairs@cjsinclairltd.co.uk  
Web: www.cjsinclairltd.co.uk

### **Powertech Ind Ltd**

Unit 2C, Ellison Road  
Norwood Ind, Killamarsh  
Sheffield, South Yorkshire  
S21 2JG  
Phone: 01142 474080  
Email: stores@powertech-industrial.co.uk  
Web: www.powertech-industrial.co.uk

### **RYCKO Technical Services LTD**

104 Green Lane  
St Albans, Herts  
AL3 6EX  
Phone: 08458 678790  
Email: info@ryckotechnical.com  
Web: www.ryckotechnical.com

### **ToolTech Industrial Equipment**

227 E Dunhill Road, Macosquin  
Coleraine, Co Londonderry  
BT514LQ  
Phone: 028 70359493  
Email: john@tooltech.org.uk

For an updated list of authorised service centres, visit <http://uk.ryobitools.eu/header/service-and-support/service-agents>.

## GUARANTEE

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

1. The guarantee 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 guarantee provided in case of professional or commercial use.
2. There is, in some cases (i.e. promotion, range of tools), a possibility to extend the warranty period over the period described above using the registration on the [www.ryobitools.eu](http://www.ryobitools.eu) website. The eligibility of the tool is clearly displayed in stores and/or on packaging. The end user needs to register his/her newly-acquired tools online within 8 days from the date of purchase. The end user may register for the extended warranty in his country 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 the data which are required to enter online and they have to accept the terms and conditions. The registration confirmation receipt, which is sent out by e-mail, and the original invoice showing the date of purchase will serve as proof of the extended warranty. Your statutory rights remain unaffected.
3. The guarantee covers all defects of the product during the warranty period due to defaults in workmanship or material at the purchase date. The guarantee 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 being incorrectly connected. This guarantee does not apply to:
  - any damage to the product that is the result of improper 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 non CE product
  - any product which has been attempted to be repaired by an non-qualified professional or without prior authorization by Techtronic Industries
  - any product connected to improper power supply (amps, voltage, frequency)
  - any product used with inappropriate fuel mixture (fuel, oil, percentage of oil)
  - any damage caused by external influences (chemical, physical, shocks) or foreign substances
  - normal wear and tear of spare parts
  - inappropriate use, overloading of the tool
  - use of non-approved accessories or parts
  - carburettor after 6 months, carburettor adjustments after 6 months
  - 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 authorized 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 guarantee is free of charge. It does not constitute an extension or a new start of the guarantee period. Exchanged parts or tools become our property. In some countries delivery charges or postage will have to be paid by the sender.
6. This guarantee is valid in the European Community, Switzerland, Iceland, Norway, Liechtenstein, Turkey and Russia. Outside these areas, please contact your authorized RYOBI dealer to determine if another warranty applies.



## DECLARATION OF CONFORMITY

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

*Herewith we declare that the product*

Cordless Blower  
Brand: RYOBI  
Model number: RBL1850S/RBL1820S/OBL1820S  
Serial number range: 44483701000001 - 44483701999999

*is in conformity with the following European Directives and harmonized standards*

2006/42/EC, 2014/30/EU, 2000/14/EC, 2005/88/EC, 2011/65/EU, EN 60745-1:2009+A1:2010,  
EN 15503:2009+A2:2015, EN 55014-1:2006+A1:2009+A2:2011, EN 55014-2:2015,  
EN 50581:2012

Measured sound power level: 92.5 dB(A)

Guaranteed sound power level: 94 dB(A)

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



Andrew John Eyre (BEng, CEng, MIET)  
Vice President, Regulatory & Safety  
Winnenden, Oct. 25, 2016



Authorised to compile the technical file:  
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**Techtronic Industries GmbH**  
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