

OWS1880



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 weed sprayer.

INTENDED USE

The cordless weed sprayer is intended for outdoor use in a well-ventilated area.

The product is designed for spraying consumer-grade home and garden chemicals, such as insecticides, fungicides, weed killers, and fertilizers. The product may also be used to water plants.

The product is not to be used by children or by persons who are not wearing adequate personal protective equipment and clothing.

Do not use the product for any other purpose.

GENERAL PRODUCT SAFETY WARNINGS

⚠ 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 instruction for future reference.

The term "power tool" in the warnings refers to your mains-operated (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 a 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 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.

CORDLESS WEED SPRAYER SAFETY WARNINGS

- Always check for and repair leaks before using the product.
- Do not spray in the direction of people or animals. Always spray downwind.
- To reduce the risk of fire or explosion, do not use the product with flammable liquids, such as gasoline or other chemicals with a flashpoint below 55°C.
- Be aware of any hazard presented by the chemical solutions. Always follow the chemical manufacturer's instructions on usage, handling, and storage.
- Do not use the product with any material where the hazard is not known.
- To help reduce the risk of injury, wear personal protective equipment, such as face mask, gloves, safety footwear, and upper-body protection, when doing the following:
 - operating the product
 - handling chemicals
 - performing maintenance
- Do not use flammable solvents or abrasive cleaning agents to clean the product.
- 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.
- Injuries may be caused, or aggravated, by prolonged use of the product. When using any product for prolonged periods, ensure to take regular breaks.

MIXING THE SOLUTION

- Mix the chemicals strictly in accordance with the manufacturer's instructions. Incorrect mixtures may produce toxic fumes or explosive solutions.
- Never use undiluted liquid plant control chemicals.
- Prepare the solution and fill the container outdoors or in well-ventilated areas only.
- Prepare only sufficient solution for the job in hand so that nothing is left over.
- Do not mix different chemicals unless such mixture is approved by the manufacturer.

FILLING THE CONTAINER

- Before filling the container with solution, carry out a test run with fresh water, and check all parts of the product for leaks.
- Stand the product on a level surface, and do not fill the container above the maximum mark.
- When filling from the tap, do not immerse the end of the hose in the chemical solution. Sudden low pressure in the system may cause the chemical solution to be sucked back into the water supply.
- Make sure that the tank cap is properly closed after filling.
- Hang a tag on the product to note the chemical solution being used.

APPLICATION

- Work only in the open or in well-ventilated locations, such as in open greenhouses.

- Never blow through nozzles or other components by mouth.
- Avoid contact with chemicals. Immediately change clothing that are contaminated with plant control chemicals.
- Do not aim the nozzle towards persons, animals, and electrical equipment.
- Do not operate the product in windy conditions. Always aim downwind.
- Avoid using the product in freezing weather because the solution may freeze.
- Too high or too low pressure or unfavorable weather conditions can result in the wrong solution concentration. Overdosing may damage plants and the environment. Underdosing may result in unsuccessful plant treatment.
- To reduce the risk of damage to the environment and plants, do not operate the product:
 - if pressure is too high or too low
 - in windy conditions
 - in direct sunlight
- To reduce the risk of accidents and damage to the product, never operate with:
 - flammable liquids
 - viscous or sticky liquids
 - caustic or corrosive chemicals
 - liquids hotter than 50°C
- Clean the product after each use.

The product may be subject to national requirements for regular inspection by designated bodies, as provided for in Directive 2009/127/EC of the European Parliament and of the Council of 21 October 2009 establishing a framework for Community action to achieve the sustainable use of pesticides.

ADDITIONAL BATTERY SAFETY WARNINGS

- To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse the tool, 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.

MAINTENANCE

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

- After each use, check all parts of the product for leaks. Return the product to an authorised service centre for repair if necessary.
- Drain and empty the spray tank before cleaning.
- Drain the spray materials through the fill area.

NOTE: Drain all of the spray materials from the spray tank into a container approved for chemicals. Do not store chemicals in the spray tank.

- Use clean water to clean and rinse the spray tank. A small amount of mild household detergent may be added.
- Wipe the product with a clean, dry cloth.
- It may be necessary to rinse the spray tank more than once.

DISPOSAL

- Never dispose of residual chemicals or contaminated rinsing solutions in waterways, drains, sewers, street gutters, or manholes.
- Dispose of residual chemicals, contaminated rinse water, and used containers in accordance with local waste disposal regulations.

TRANSPORTATION AND STORAGE

- Turn off the product, remove the battery pack, and allow both to cool down before storing or transporting.
- Drain all spray materials from the spray tank before storing and transporting.
- After each use, check all parts of the product for leaks. Return the product to an authorised service centre for repair.
- Ensure that all parts of the product are clean and dry.
- Remove all foreign materials from the product.
- The spray wand can be stored in the cradle.
- For transportation, secure the product against movement or falling to prevent injury to persons or damage to the product.
- Store the product in a cool, dry, and well-ventilated 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.

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.

KNOW YOUR PRODUCT

See page 7.

1. Battery port
2. On/Off button
3. Spray tank cover / measuring cup
4. Motor housing
5. Latch (x2)

6. Hose retainer
7. Tank
8. Nozzle
9. Spray wand
10. Trigger with lock-on
11. Spray wand handle
12. Hose
13. Operator's manual
14. Battery pack
15. Charger
16. Wire
17. Chemical solution

SYMBOLS ON THE PRODUCT



Safety alert



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



Wear eye protection.



Wear appropriate respiratory mask.



Wear non-slip, liquid-resistant gloves.



Wear non-slip safety footwear when using the product.



Do not expose the product to rain or damp conditions.



British Conformity Mark



European Conformity Mark



EurAsian Conformity Mark



Ukraine Conformity Mark

001

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.



SYMBOLS IN THIS MANUAL



Stop the product.



Lock



Unlock



Parts or accessories sold separately



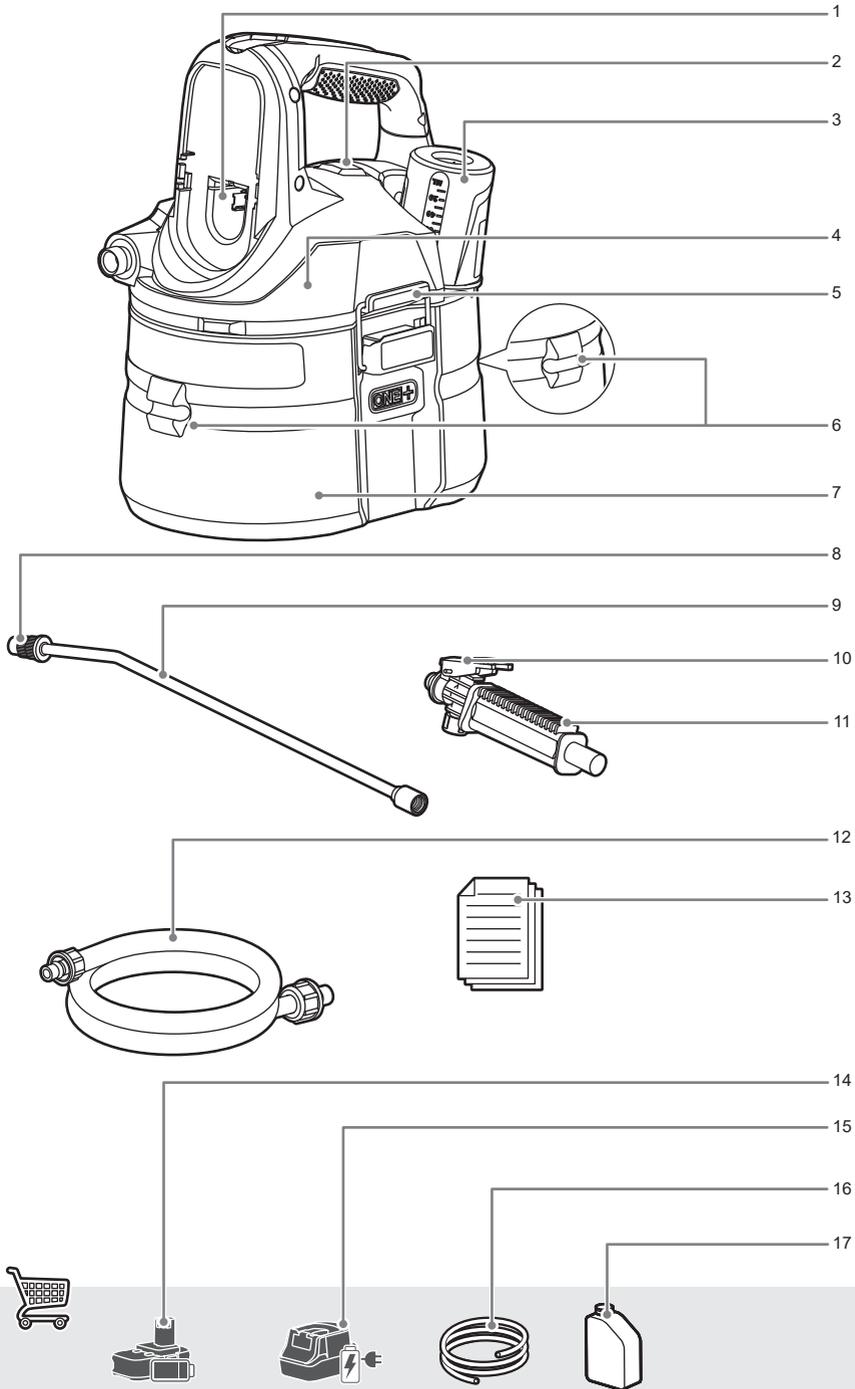
Note

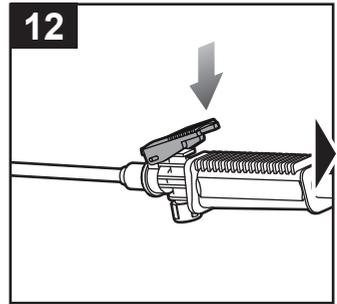
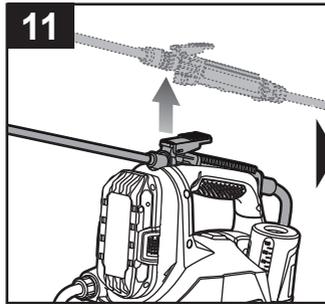
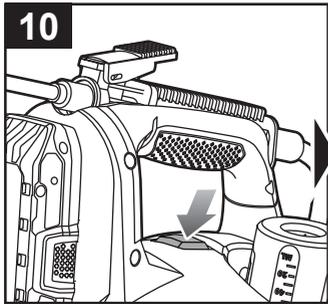
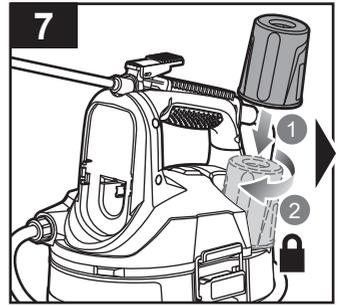
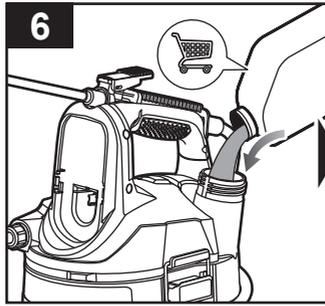
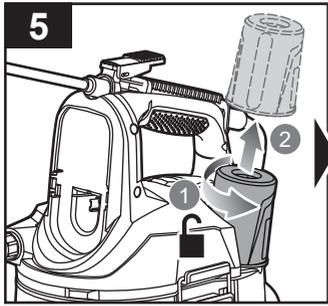
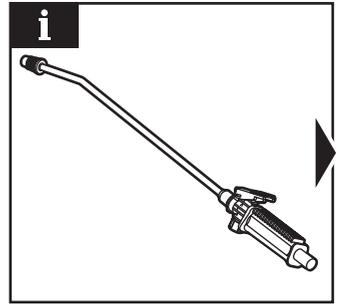
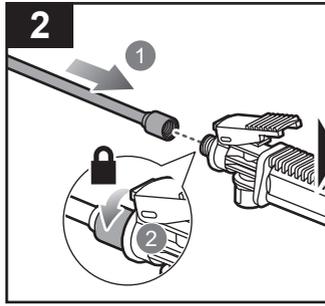
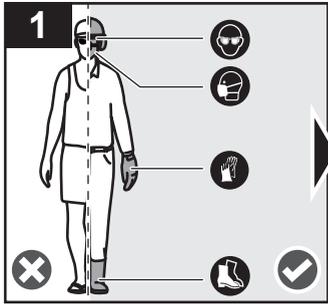


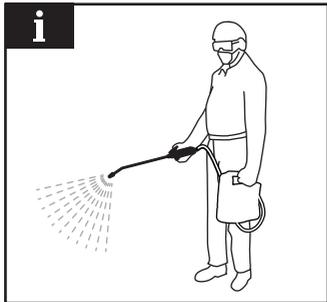
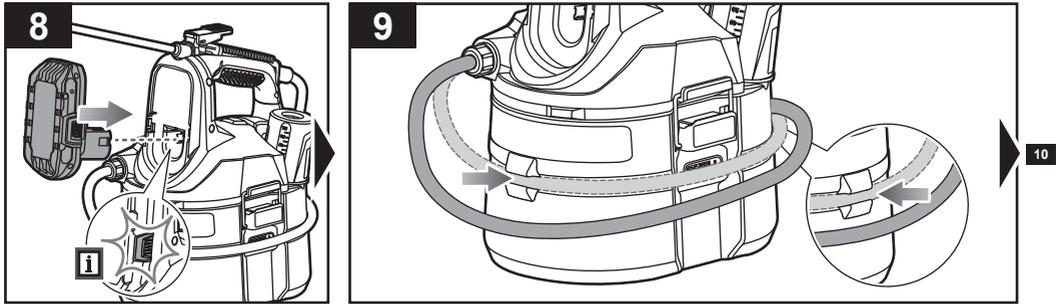
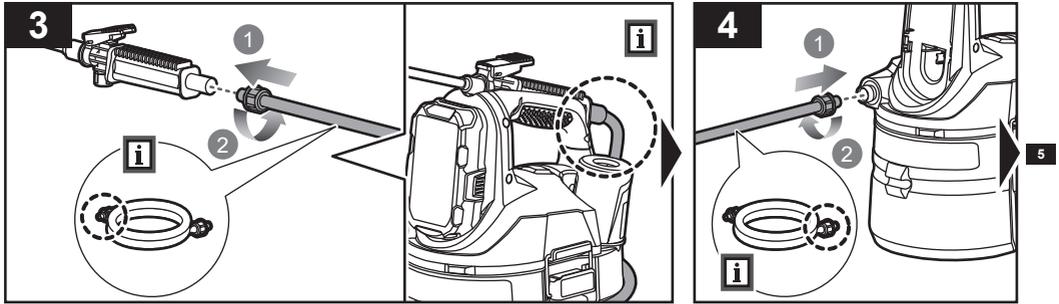
Warning

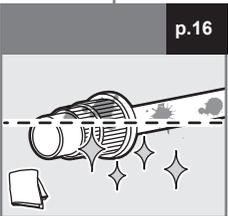
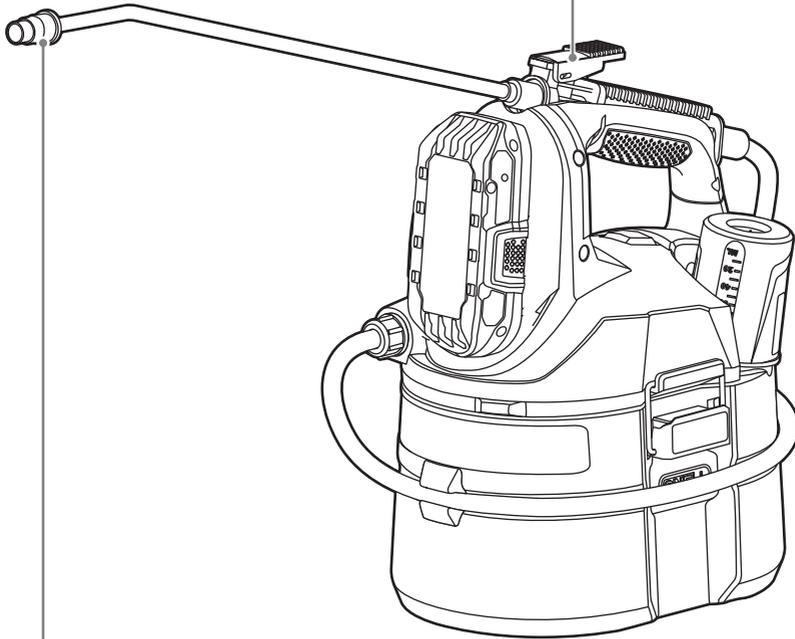
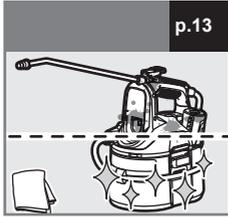
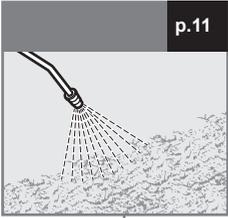


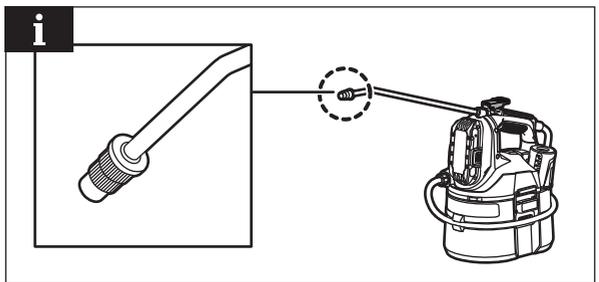
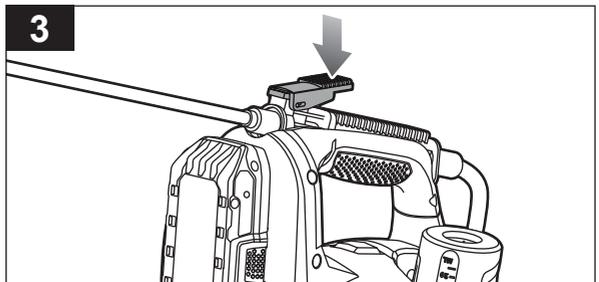
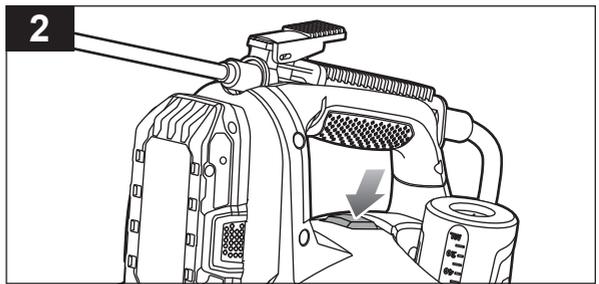
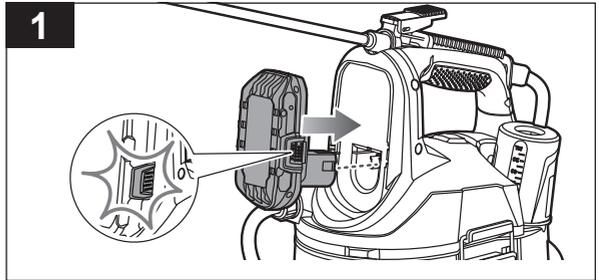
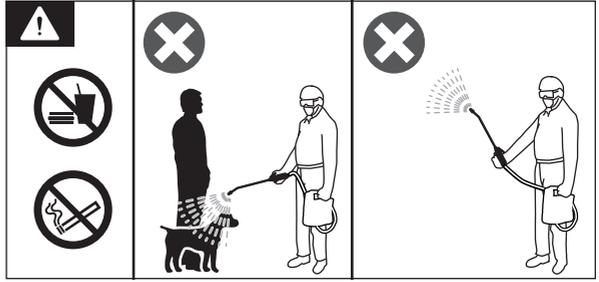
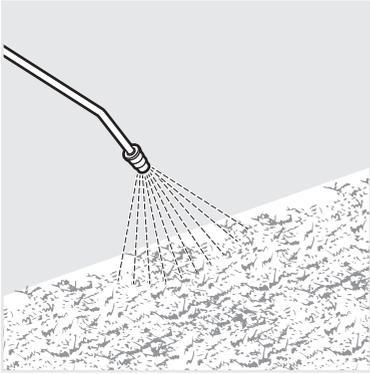
OWS1880

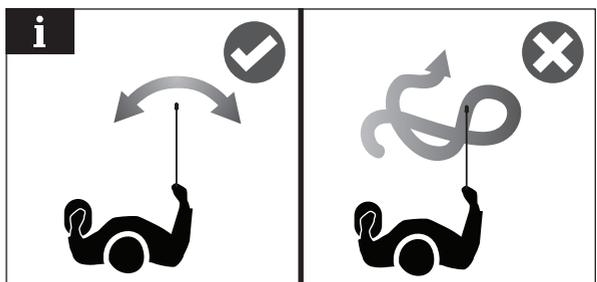
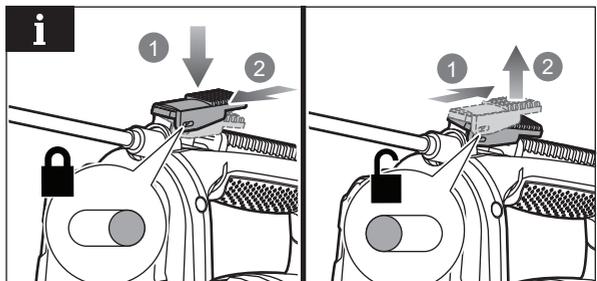
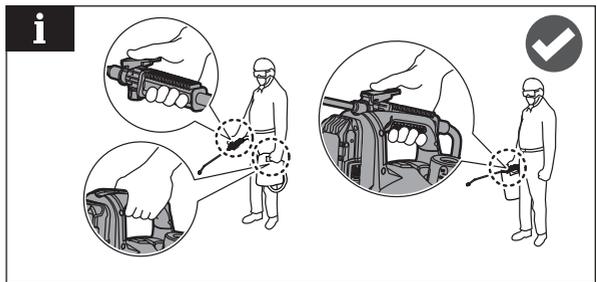
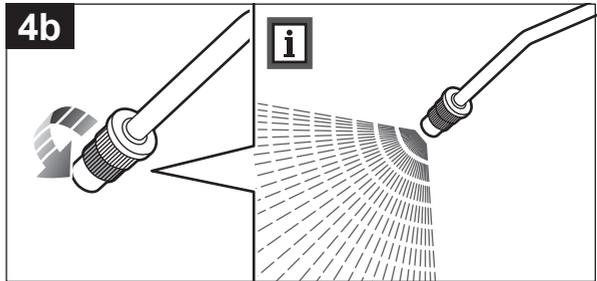
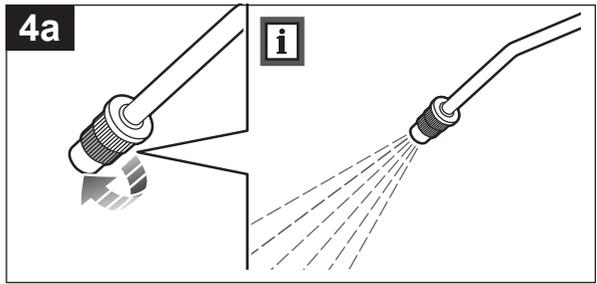


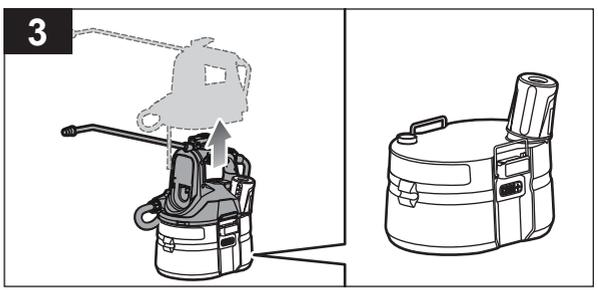
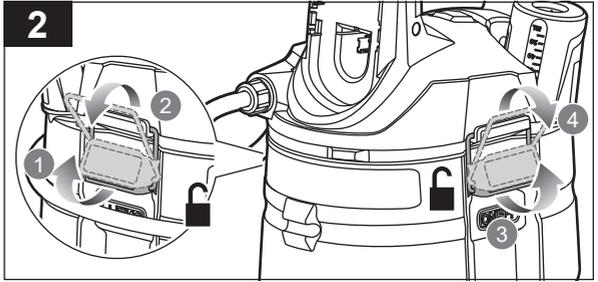
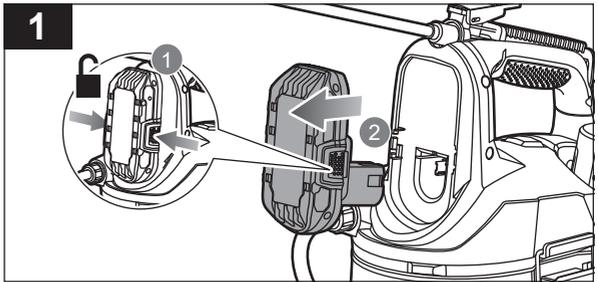
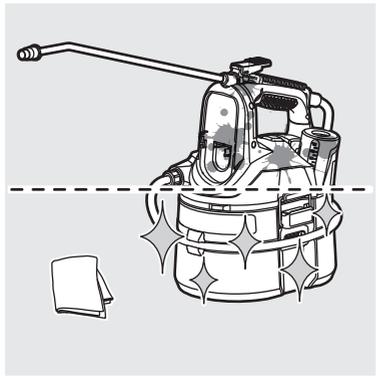
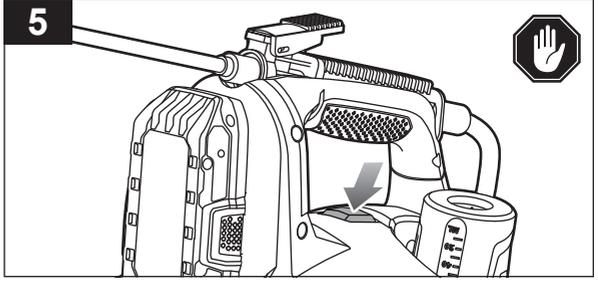


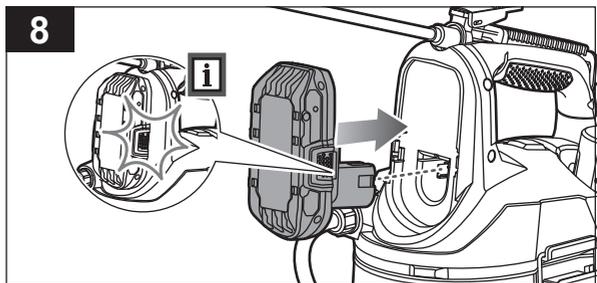
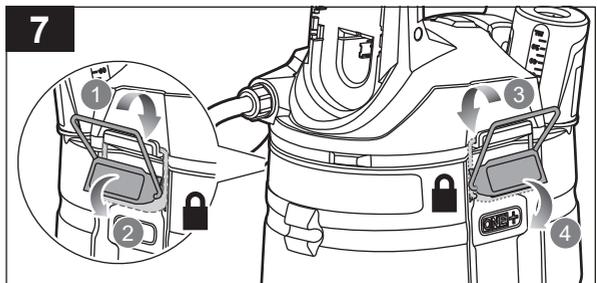
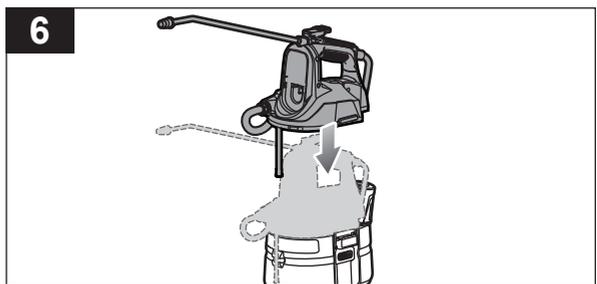
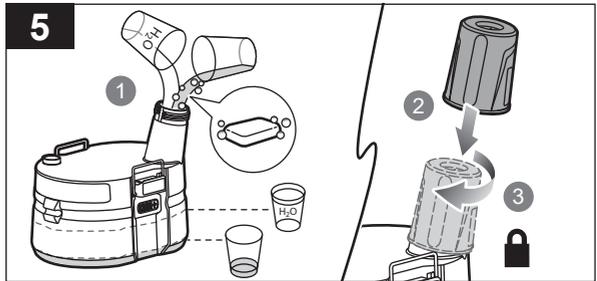
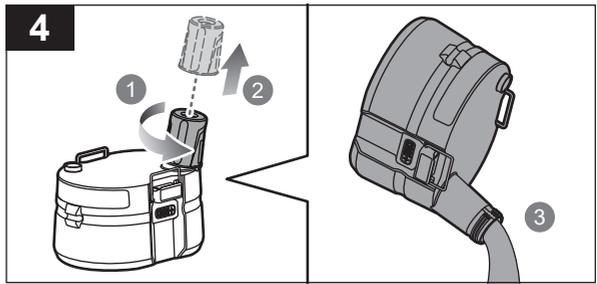


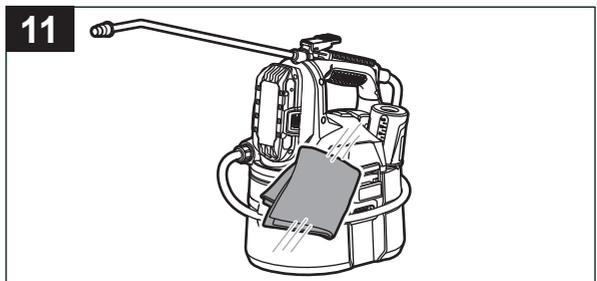
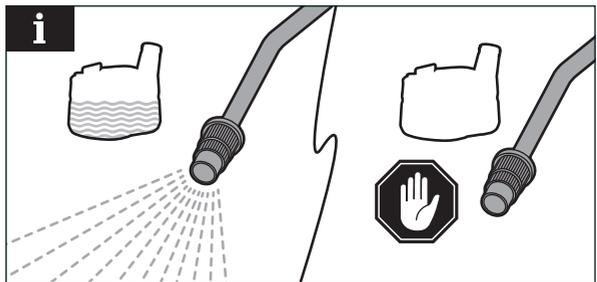
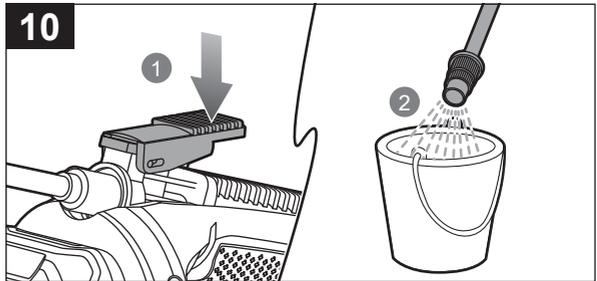
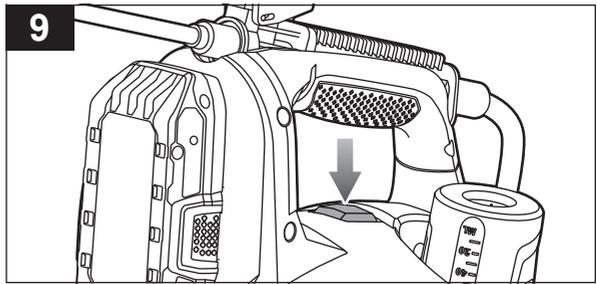


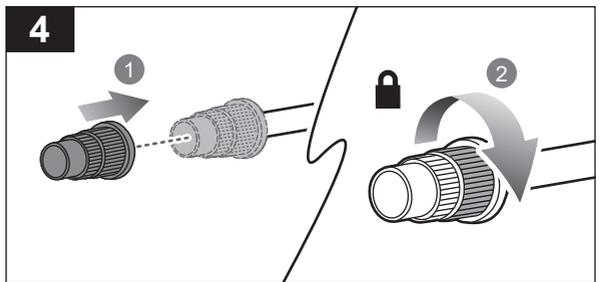
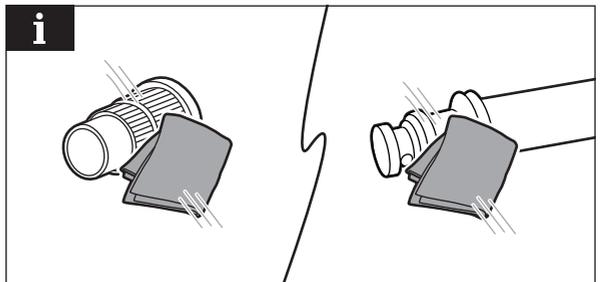
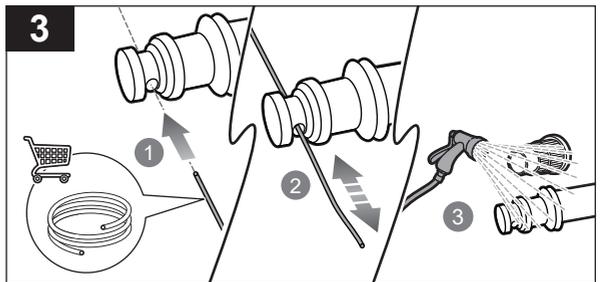
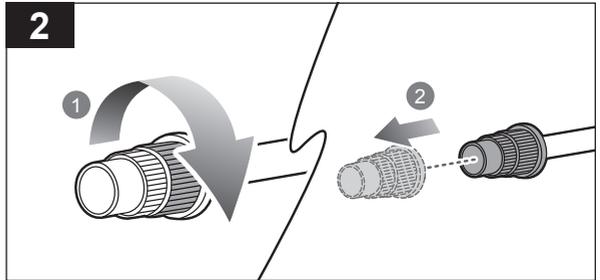
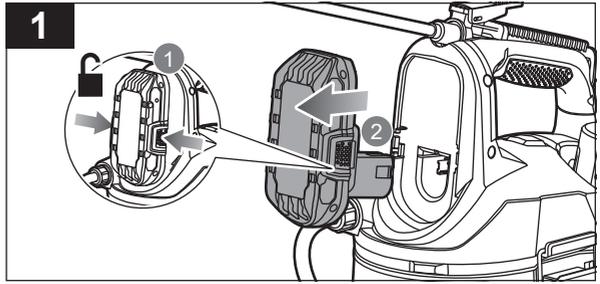
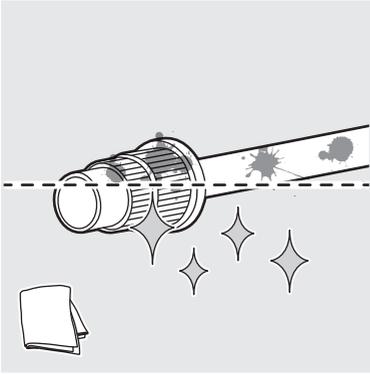


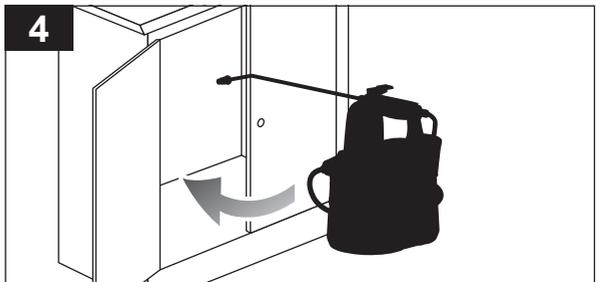
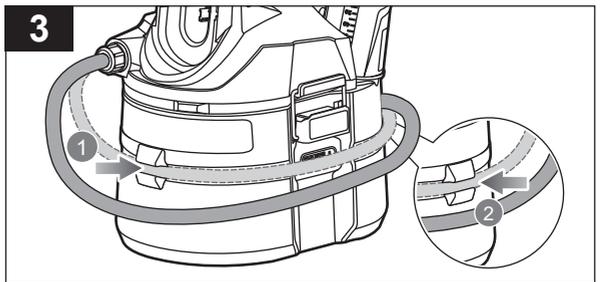
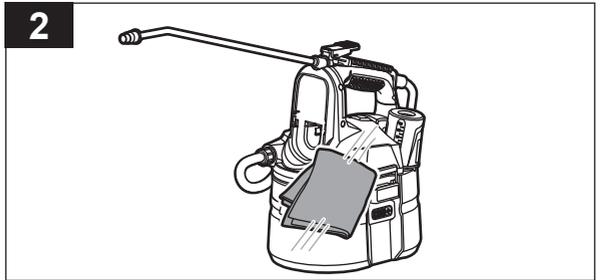
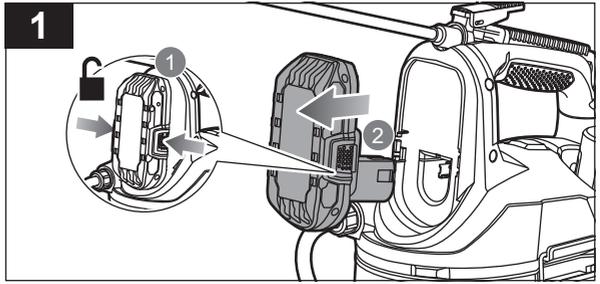
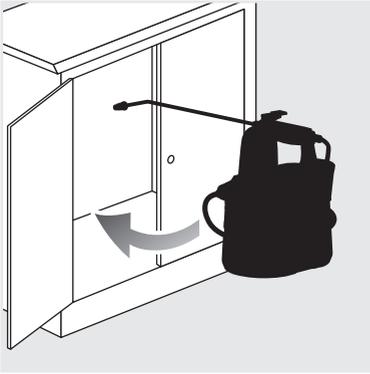












PRODUCT SPECIFICATIONS

Cordless weed sprayer

Model OWS1880

Pump type: Diaphragm pump

Tank capacity 3.5 L

Spray valve: Integral grip lever

Dimensions (w x l x h) 18 x 24 x 30 cm

Pressure 310 kPa

Flow rate 500 ml/min

Net weight 1.45 kg

Noise emission level (in accordance with EN 62841-1 and EN 50580)

A-weighted sound pressure level at the operator's position $L_{pA} = 72.0$ dB(A)

Uncertainty of measurement $K = 3.0$ dB

A-weighted sound power level $L_{wA} = 83.0$ dB(A)

Uncertainty of measurement $K = 3.0$ dB

Vibration level (in accordance with EN 62841-1 and EN 50580)

Vibration total value $a_h = 0.1$ m/s²

Uncertainty of measurement $K = 1.5$ m/s²

BATTERY AND CHARGER

Model OWS1880

Battery pack -

Charger -

Compatible battery packs RB18..

Compatible chargers BCL1418..H, BCS618, RC18..

NOTE: Visit your local special orders desk or contact RYOBI customer service for replacement parts.

⚠ 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.

RYOBI WARRANTY APPLICATION CONDITIONS

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

1. 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 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 their personal data that is required to be entered online. They must also 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.
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 Techntron 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
 - 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 carburetors
 - 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.
6. 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: Techntron Industries GmbH, Max Eyth Straße 10, 71364 Winnenden, Germany. Please state the serial number and product type printed on the label.

EC DECLARATION OF CONFORMITY

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

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

Cordless weed sprayer
Brand: RYOBI
Model number: OWS1880
Serial number range: 44484902000001 - 44484902999999

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

2006/42/EC, 2014/30/EU, 2011/65/EU,
EN 62841-1:2015+A11:2022, EN 50580:2012+A1:2013,
EN IEC 55014-1:2021, EN IEC 55014-2:2021, EN IEC 63000:2018



Todd Chipner
Vice President, Quality – Asia
Winnenden, March 7, 2023

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

GB-DECLARATION OF CONFORMITY

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

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

Cordless weed sprayer
Brand: RYOBI
Model number: OWS1880
Serial number range: 44484902000001 - 44484902999999

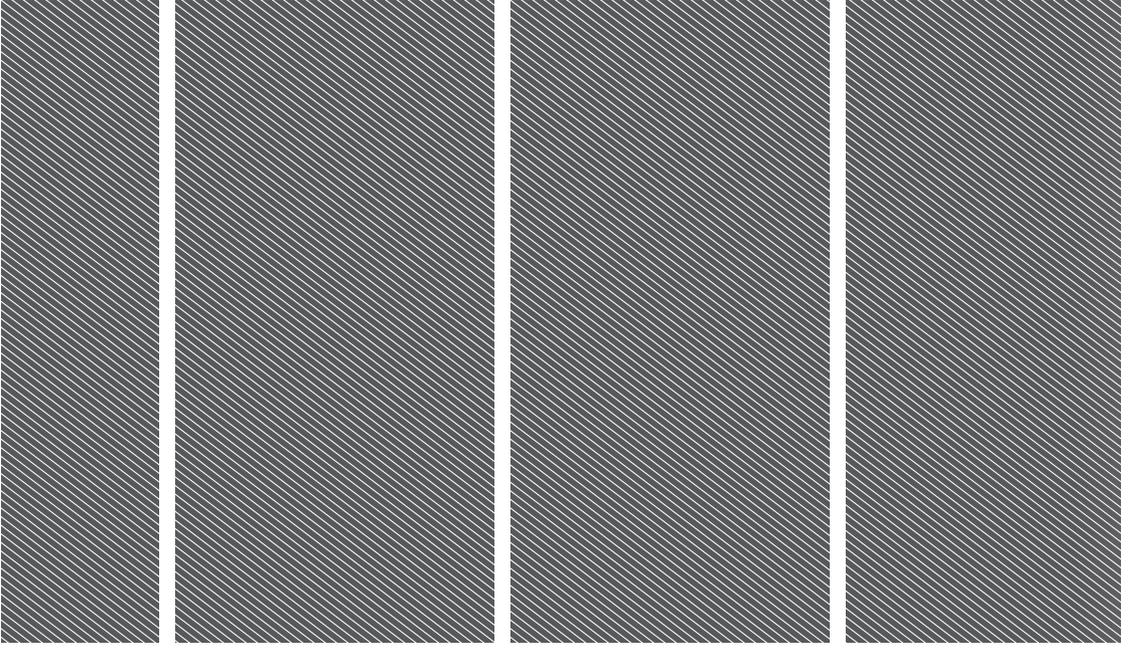
fulfills all the relevant provisions of the following Regulations: S.I. 2008/1597 (as amended), S.I. 2016/1091 (as amended), S.I. 2012/3032 (as amended) and that the following designated standards have been used:

BS EN 62841-1:2015+A11:2022, BS EN 50580:2012+A1:2013,
BS EN IEC 55014-1:2021, BS EN IEC 55014-2:2021,
BS EN IEC 63000:2018



Todd Chipner
Vice President, Quality – Asia
Winnenden, March 7, 2023

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



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

Techtronic Industries (UK) Ltd
Parkway
Marlow Bucks SL7 1YL
UK

961480172-02

