

**RYOBI®**

**OWS1880**

ORIGINAL INSTRUCTIONS

# Cordless Weed Sprayer



## **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 weed sprayer.

### INTENDED USE

The 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.

Do not use the product for any purpose not listed above. The product is not to be used by children or by persons not wearing adequate personal protective equipment and clothing.

### 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 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.

#### WEED SPRAYER SAFETY WARNINGS

- Do not spray flammable liquids, such as gasoline, to reduce the risk of fire or explosion.
- Always follow the chemical manufacturer's instructions printed on their product labeling for use, cleaning, and storage. Chemicals should be stored out of the reach of children.
- Do not spray any material where the hazard is not known.
- To reduce exposure to spray materials, wear approved safety equipment, such as face mask designed for spraying, gloves, and other appropriate protective equipment.
- Do not use flammable solvents or abrasive cleaning agents to clean the product.

#### WARNING

Keep spray materials away from eyes. If spray materials come in contact with the eyes, wash them immediately with clean water. If irritation is still present, immediately seek medical help.

#### ADDITIONAL SAFETY WARNINGS

- Never 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.
  - Be aware of any hazards presented by the spray materials. Before using any pesticide or other spray materials with the product, carefully read the label on the original container and follow the instructions.
  - Keep the area clear of all bystanders, children, and pets while spraying.
  - Ensure that the spray wand is securely connected to the spray wand handle before using the product. If necessary, use pliers to attach the spray wand to the spray wand handle.
  - Remember to properly replace and tighten the spray tank cover after pouring liquid into the spray tank.
  - Use only consumer-grade water-based lawn and garden chemicals.
  - Do not use commercial-grade chemicals or chemicals for commercial or industrial purposes.
  - Do not use caustic (alkali) self-heating or corrosive (acid) liquids with the product. These can corrode metal parts or weaken the tank and hose.
  - Do not leave residue or spray material in the spray tank after using the product. Clean after each use.
  - Do not pour hot or boiling liquids into the spray tank. These can weaken or damage the hose or spray tank.
  - Do not overfill the tank.
  - Always check for leaks. If any are found, correct them before using the product.
  - The spray area must be well ventilated.
  - Always inspect both the inside and outside of the product before each use.
  - Liquids to be sprayed must be as thin as water. Thicker liquids will not spray properly.
  - Spray materials may be premixed and poured into the spray tank using a funnel, if necessary.
- NOTE:** When using a measuring container other than the measuring cup, or when using a funnel to fill the tank, thoroughly clean and rinse these items after use. When premixing spray materials, rinse the container used for mixing.
- Do not spray where spark, flame, or other source of ignition is present.
  - Do not spray in the direction of people or animals. Always spray downwind.
  - Do not smoke, eat, or drink while using the product.
  - Do not discharge directly against skin.

- Do not let the spray materials come in contact with skin. If contact does occur, wash immediately with soap and plenty of water.
- Aim the nozzle directly at the plants or objects you intend to spray.
- Ensure that the spray materials are directed at an area that will not be damaged by the spray materials.
- Avoid spraying on windy days. The spray materials can be accidentally blown onto plants or objects that should not be sprayed.
- Keep spray materials away from eyes. If spray materials come in contact with the eyes, wash them immediately with clean water. If irritation is still present, immediately seek medical help.
- The product may be operated with the spray wand handle resting in the cradle, or may be removed from the cradle and be held by the operator.
- Electric shock hazard. Do not spray towards electrical outlets.
- After every use, thoroughly wash your hands and any area where skin has been exposed to the spray.
- Maintain the product. Thoroughly inspect both the inside and outside of the product and examine the components before each use. Check for cracked and deteriorated hoses, leaks, clogged nozzles, and missing or damaged parts. If damaged, have the product repaired before use. Many accidents are caused by poorly maintained products.
- Remove the battery from the product before draining, cleaning, or storing to avoid accidental starting.

## TRANSPORTATION AND STORAGE

- Remove the battery pack.
- Ensure that all parts are clean and dry.
- Clean all foreign materials from the product.
- Drain all spray materials from the spray tank before storage.
- After each use, clean the product as prescribed in this manual.
- 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 away from corrosive agents such as garden chemicals and de-icing salts. Do not store outdoors.

## MAINTENANCE

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, oil, or grease.

### ⚠ CAUTION

Do not at any time let brake fluids, gasoline, petroleum-based products, or penetrating oils, come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which may result in serious personal injury.

### ⚠ WARNING

Use only original manufacturer's replacement parts, accessories and attachments. Failure to do so can cause possible injury, 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 we suggest you return the product to an authorized service center for repair. When servicing, use only identical replacement parts.

### ⚠ WARNING

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

- Only make adjustments or repairs described in this manual. For other repairs, contact an authorised service centre.
  - After each use, clean the product as prescribed in this manual.
  - 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.

## 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 and the operator should pay special attention to avoid the following:

- Electric shock. Never spray liquid towards electrical sockets, cables, or appliances.
- Contact with hazardous substances. Spray materials may be harmful if inhaled, ingested, or comes in contact with skin or eyes. Follow instructions carefully and wear appropriate protective equipment as prescribed in this manual.

### 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 7.

### PARTS

1. Spray tank cover/measuring cup
2. Spray wand handle
3. On/off button
4. Trigger with lock-on
5. Battery port
6. Spray wand
7. Nozzle
8. Hose
9. Motor housing
10. Tank
11. Latch (x2)
12. Battery
13. Charger

## 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 a mask.



Wear non-slip, liquid-resistant gloves.



Wear non-slip safety footwear when using the product.



Do not expose to rain or damp condition.



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.



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



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



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.

## SYMBOLS IN THIS MANUAL



Stop the product.



Lock



Unlock



Parts or accessories sold separately



Note

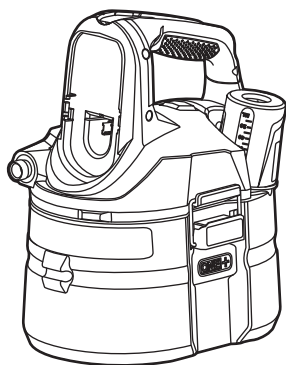


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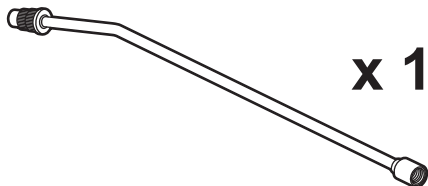
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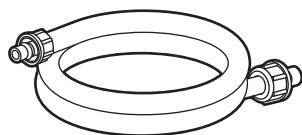
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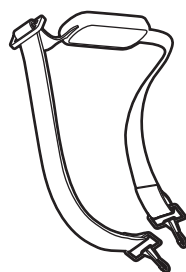
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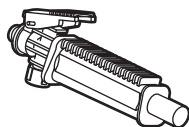
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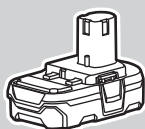
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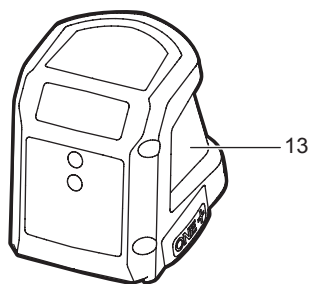
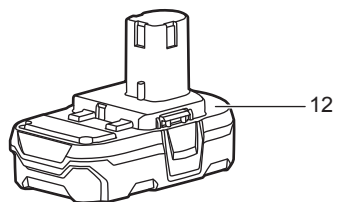
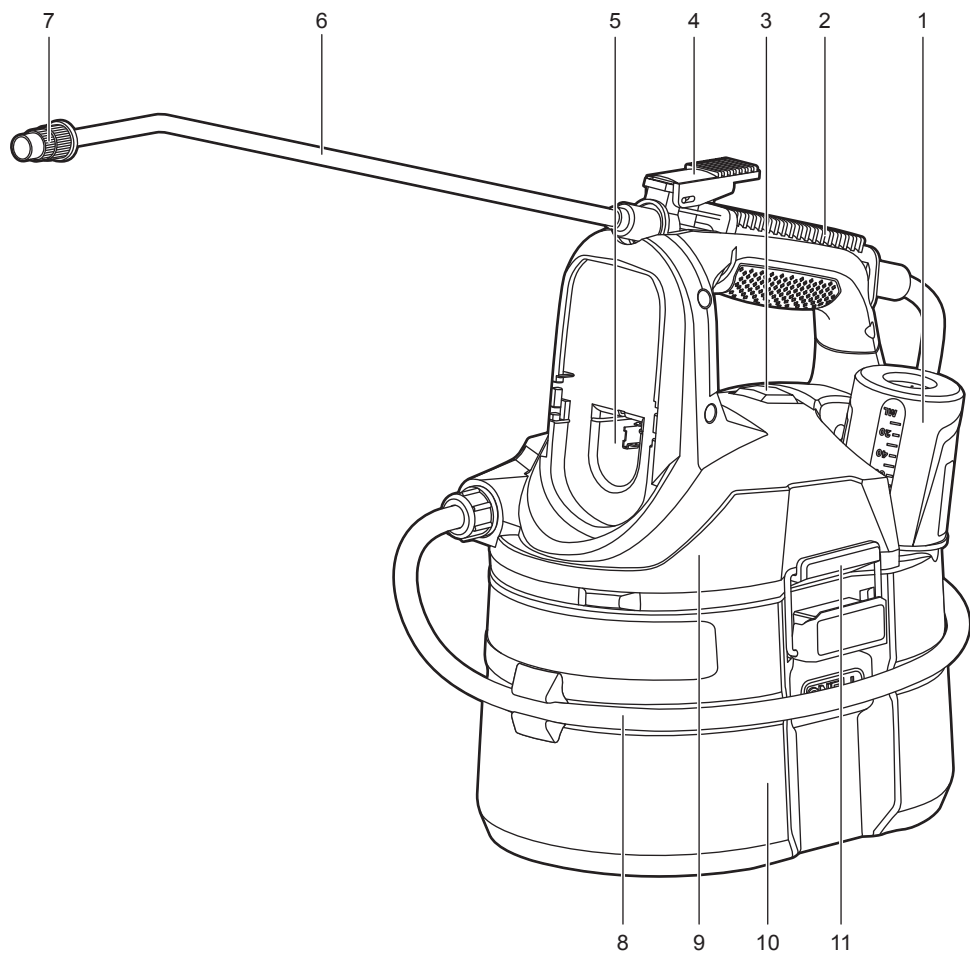
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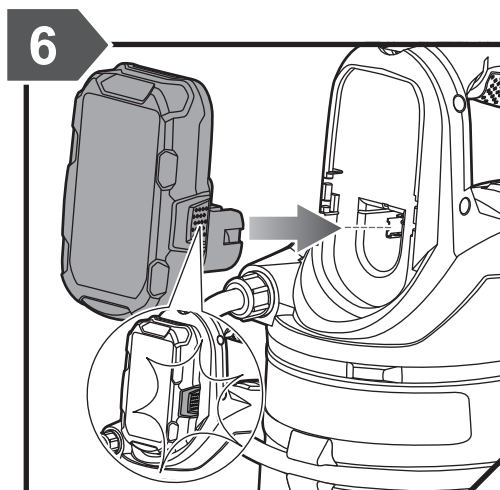
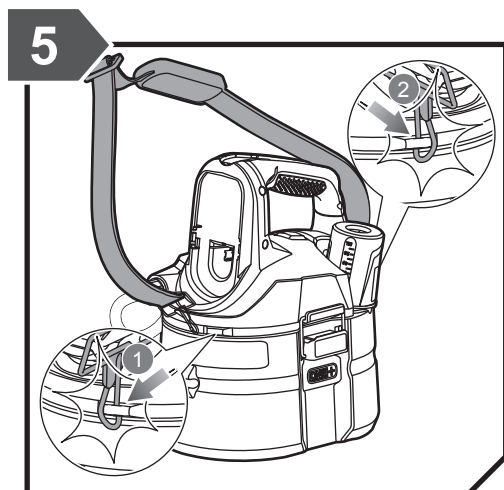
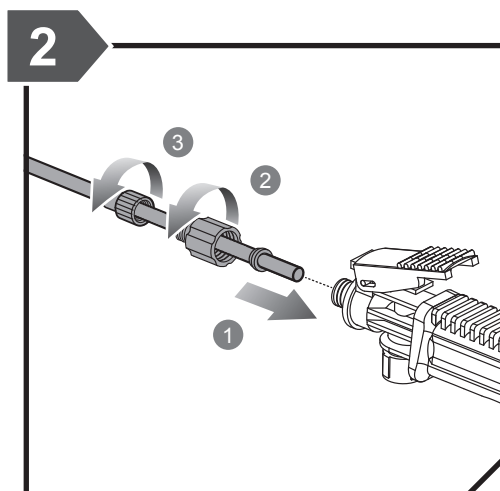
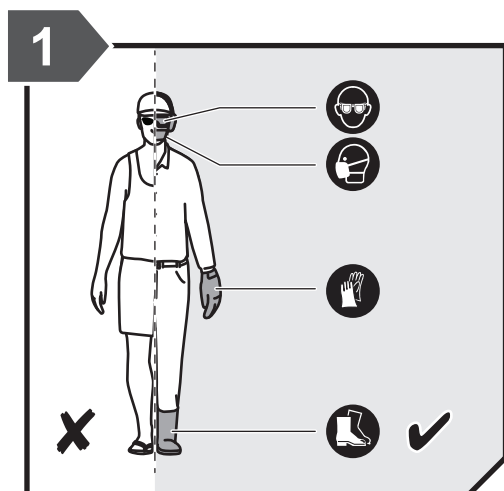


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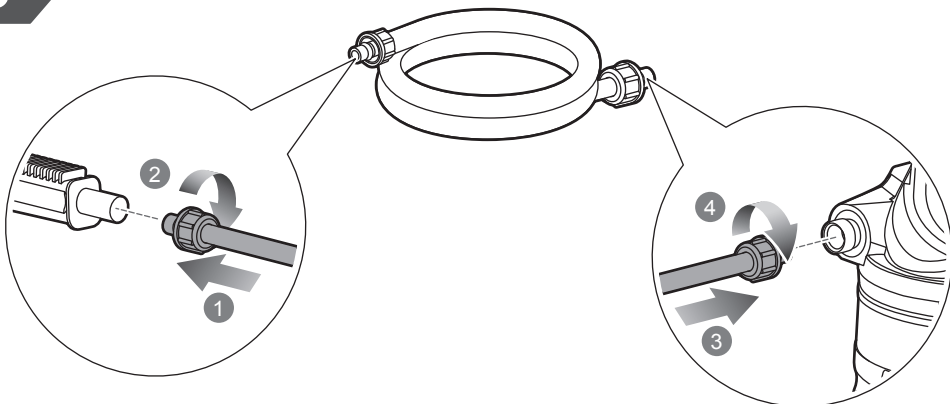


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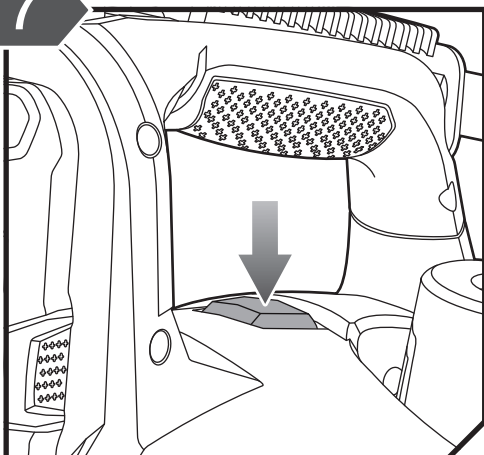




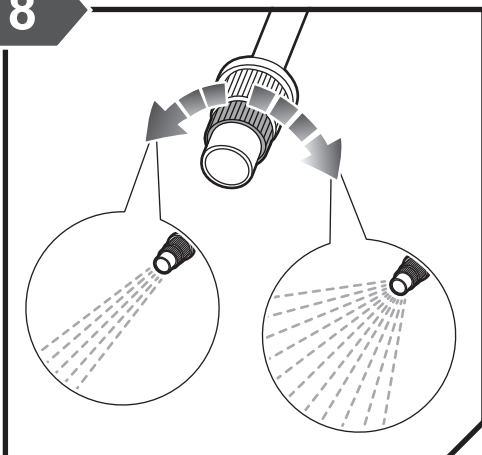
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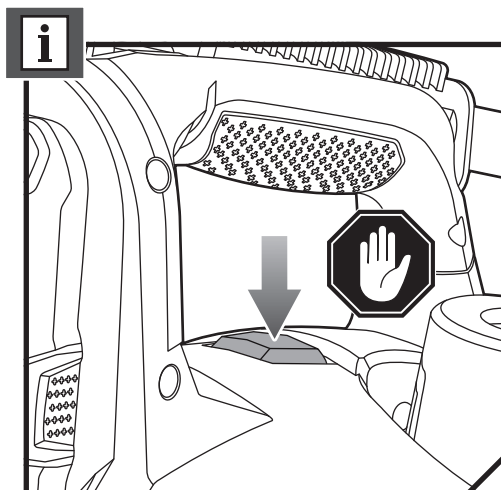
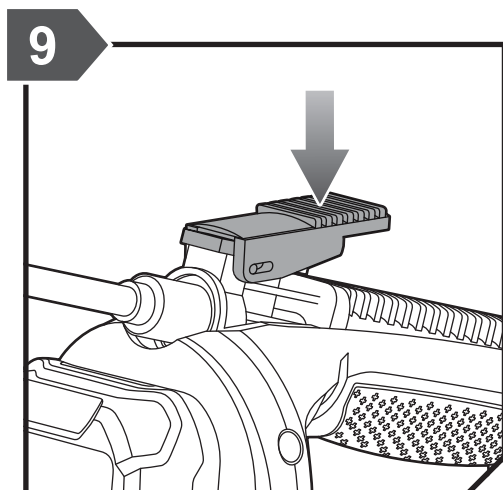
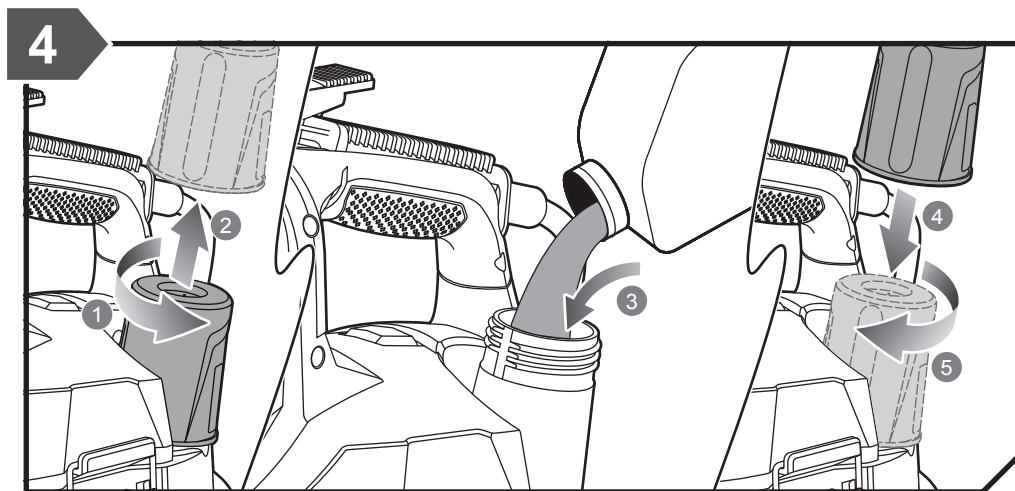


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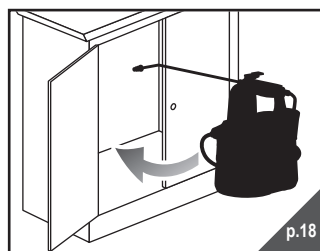
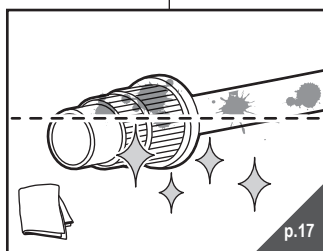
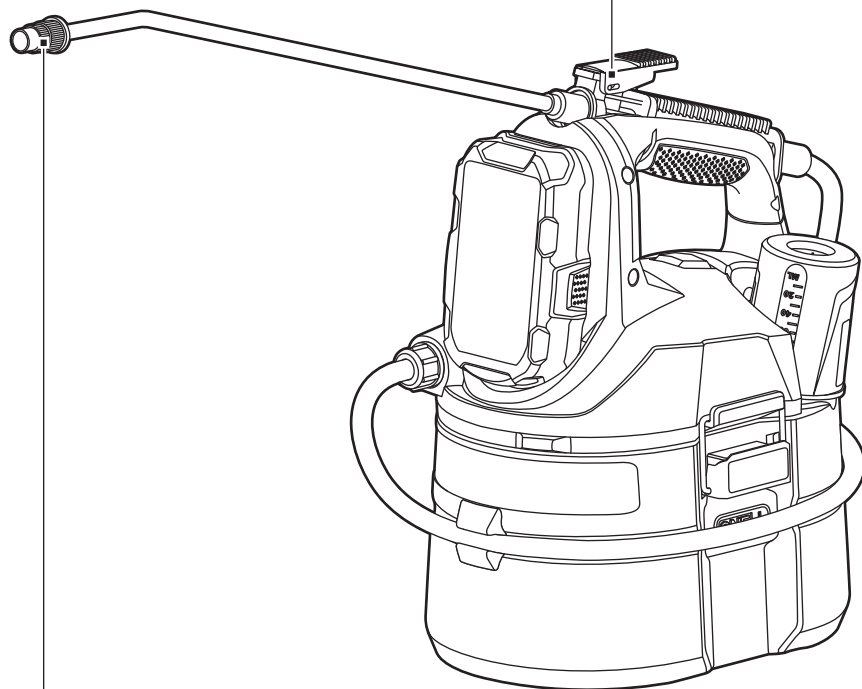
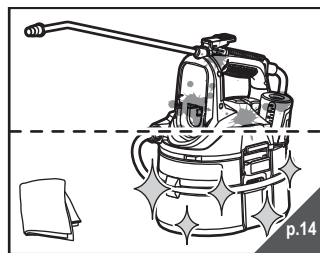
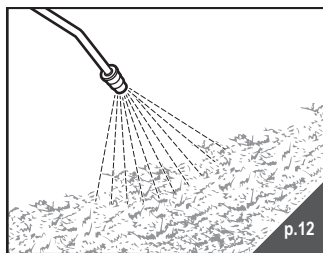
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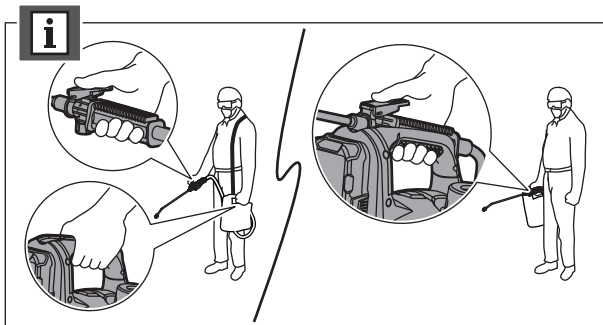
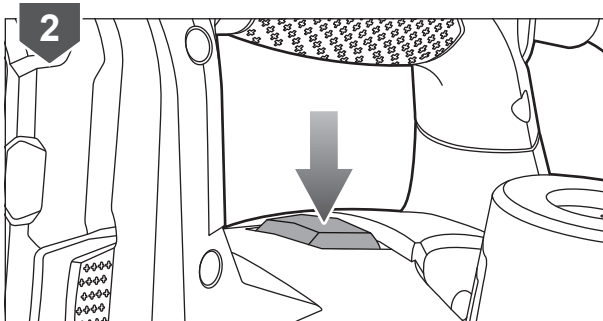
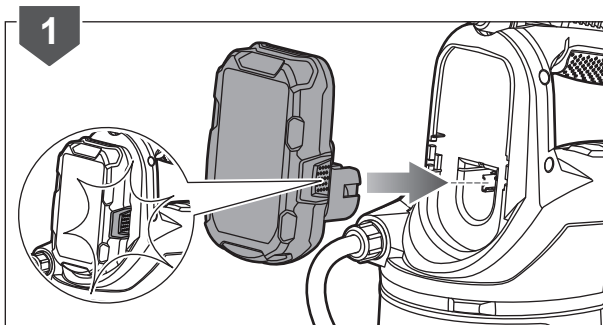
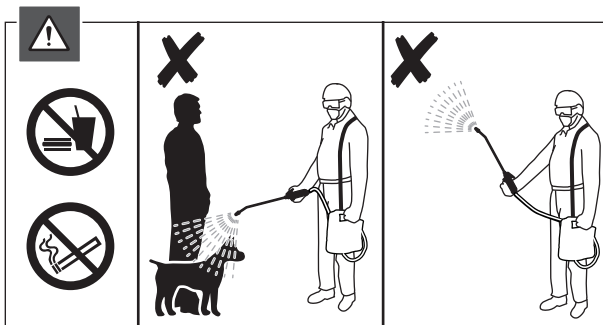
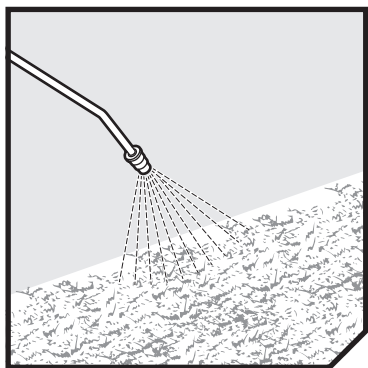


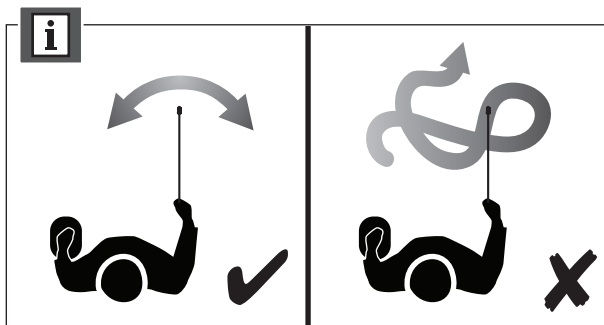
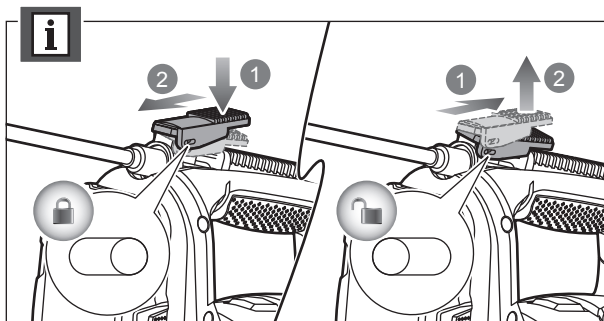
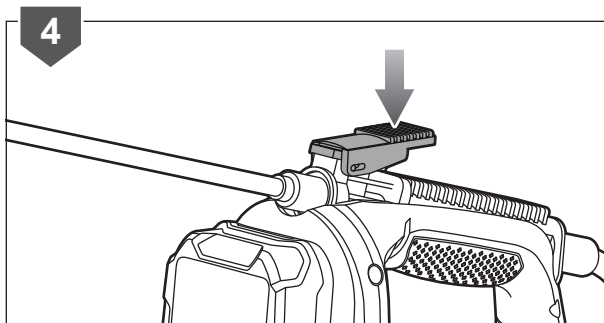
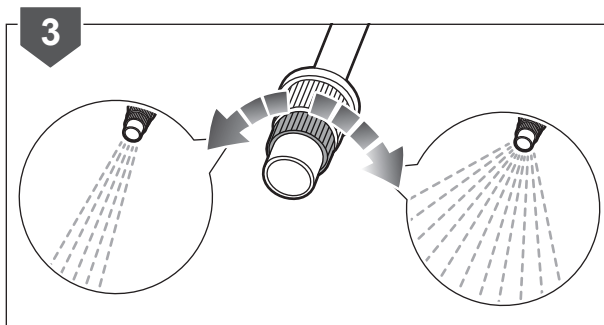


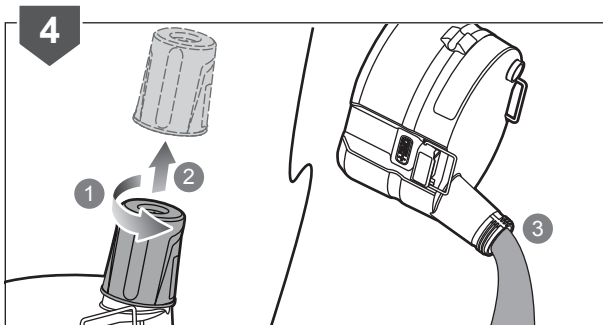
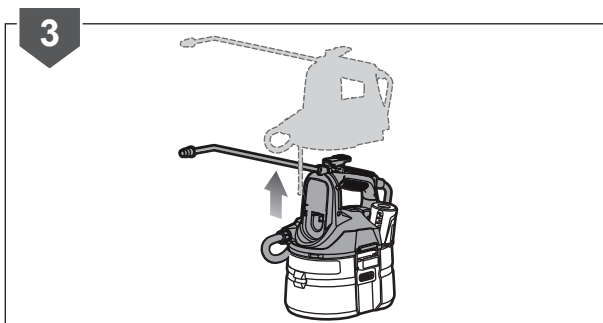
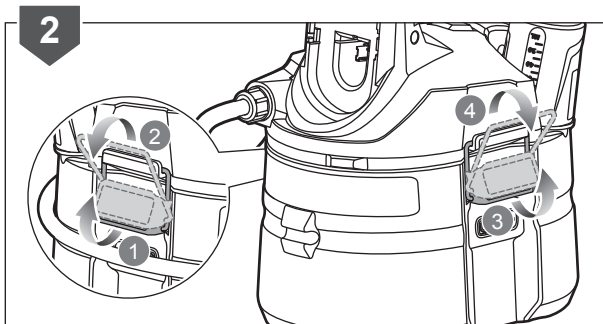
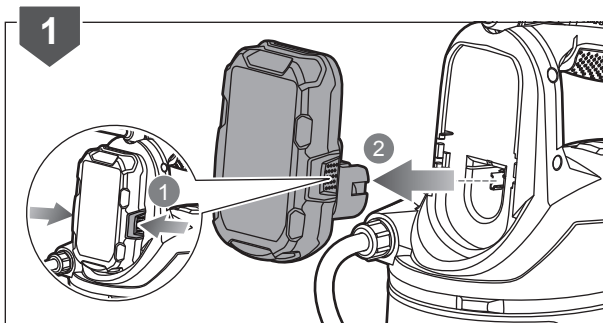
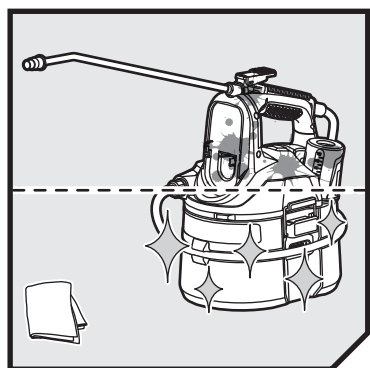


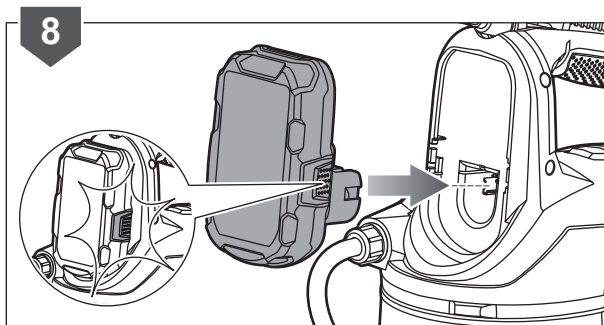
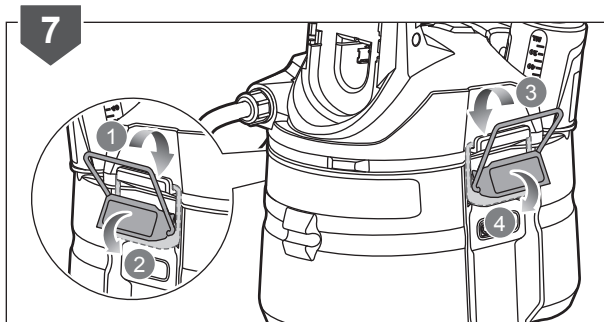
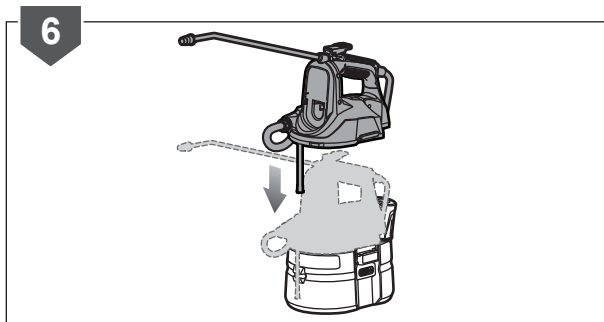
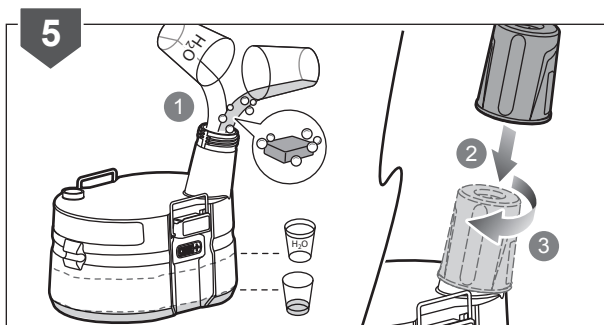


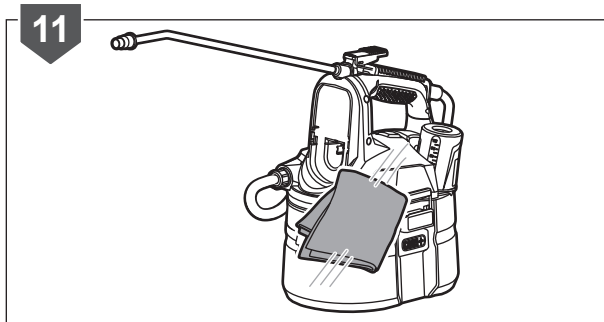
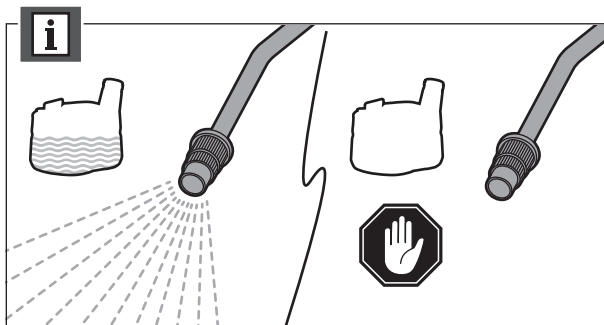
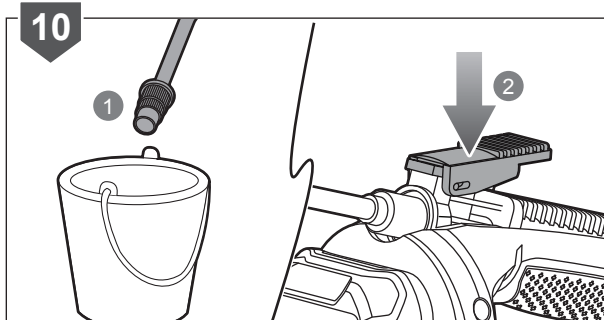
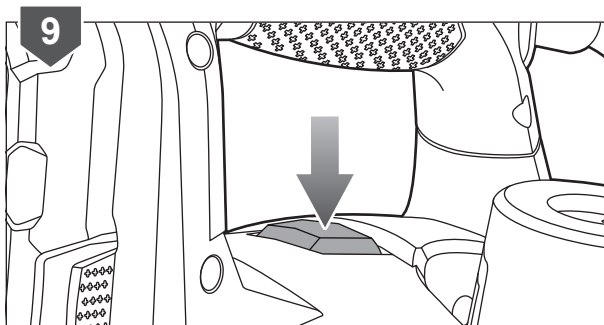


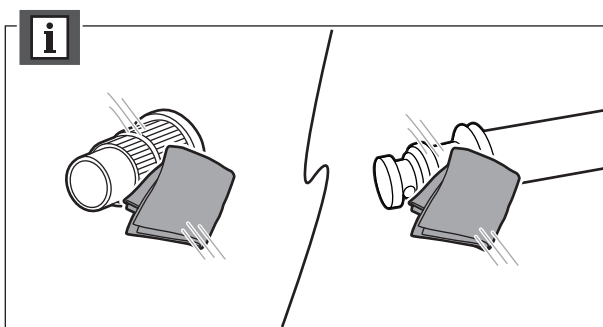
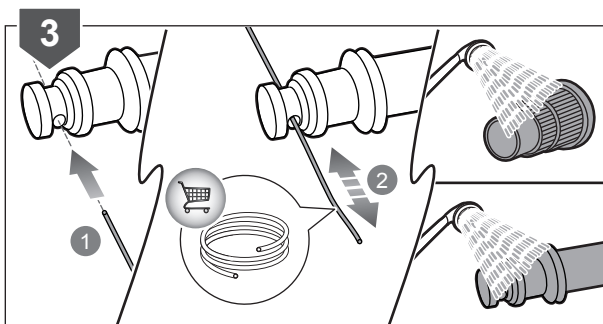
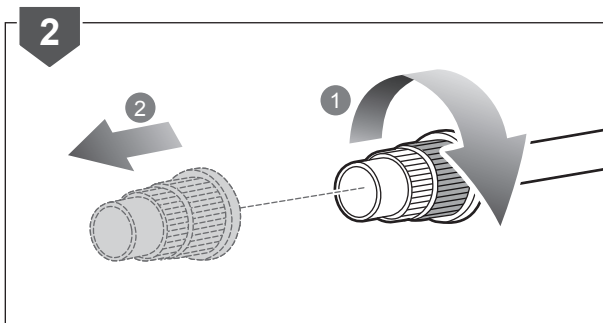
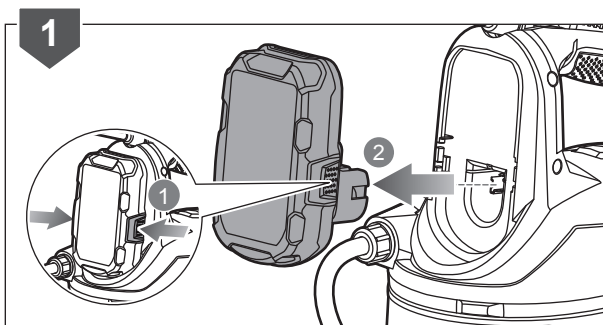
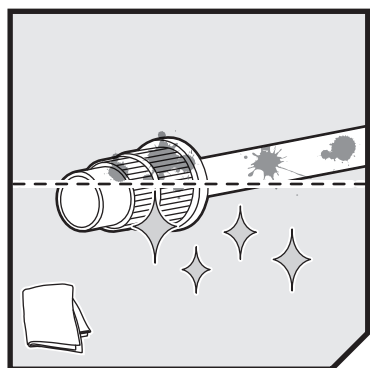


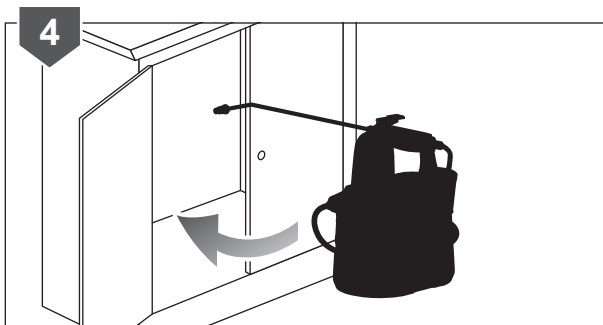
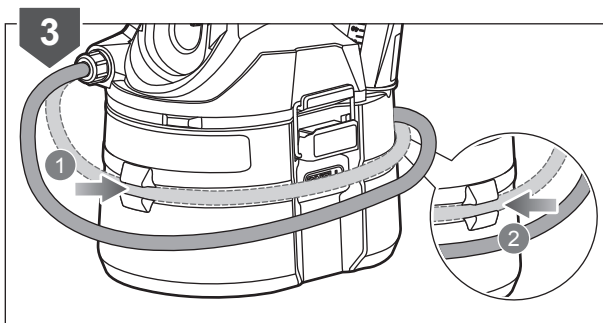
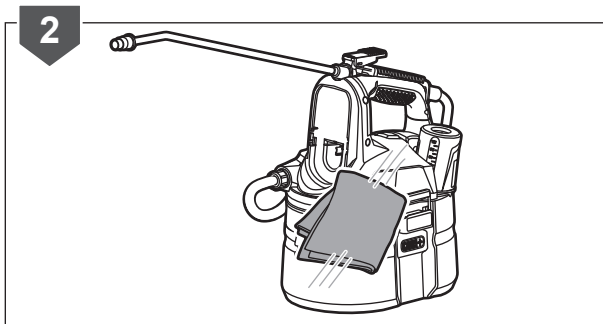
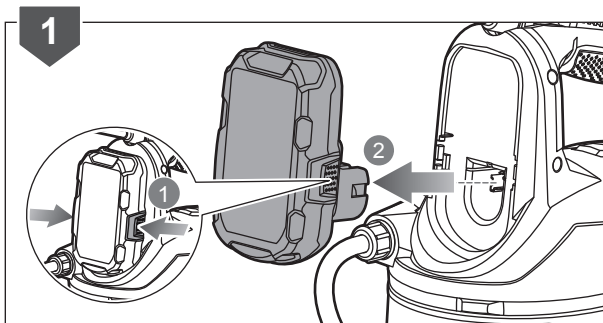












## PRODUCT SPECIFICATIONS

Model	OWS1880
Pump type	Diaphragm pump
Tank capacity	3.5 L
Spray valve	Integral grip lever
Dimension (WxLxH)	18 cm x 24 cm x 30 cm
Pressure	45 psi
Flow rate	500 ml/min
Net weight	1.5 kg

## BATTERY AND CHARGER

Model	OWS1880
Compatible battery packs	RB18L13/ RB18L15/ RB18L25/ RB18L26/ RB18L40/ RB18L50
Compatible charger	BCL-1800/ BCL1418/ BCL14181H/ BCL14183H

## 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.

## 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  
Storeys 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@toolttech.org.uk

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

## DECLARATION OF CONFORMITY

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

*Herewith we declare that the product*

Cordless Weed Sprayer

Brand: Ryobi

Model number: OWS1880

Serial number range: XXXXXX01000001 - XXXXXX01999999

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

2006/42/EC, 2014/30/EU, 2011/65/EU, EN 60745-1:2009+A11:2010, EN 50580:2012,  
EN 55014-1:2006+A1:2009+A2:2011, EN 55014-2:2015+A1:2001+A2:2008, EN 50581:2012



Andrew John Eyre (BEng, CEng, MIET)  
Vice President, Regulatory & Safety  
Winnenden, mmm. dd, yyyy



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









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

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