RYOBI



RACPWS4

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 electric high-pressure cleaner.

INTENDED USE

The electric high-pressure cleaner is intended to clean machines, vehicles, buildings, floors, tools, facades, terraces, and concrete walkways by removal of stubborn dirt using clean water with or without cleaning detergent.

The product is designed for home or domestic use. The product is intended only for outdoor use in well-illuminated conditions.

For safety reasons, the product must be adequately controlled by using a two-handed operation at all times.

Do not use the product for any other purpose.

⚠ **WARNING!** The product is designed for use with a neutral cleaning agent supplied or recommended by the manufacturer. The use of other cleaning agents or chemicals may adversely affect the safety of the product.

NOTE: If using a detergent, refer to the Material Safety Data Sheet of the detergent.

GENERAL SAFETY WARNINGS

⚠ **WARNING! Read all safety warnings and all instructions.** Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury. Save all warnings and instructions for future reference.

- The product is not intended to be used by children or persons with reduced physical, sensory, or mental capabilities or with lack of experience and knowledge. Children should be adequately supervised to ensure that they do not play with the product.
- Wear complete personal protective equipment when operating the product, such as boots, safety gloves, safety helmets with visor, and hearing protection. Use high-impact visors only with liquid splash protection.

⚠ **WARNING!** Do not use the product when people are within range unless they are wearing protective clothing.

- To reduce the risk of injury, keep children and bystanders away. All bystanders should wear safety glasses and be kept at a safe distance from the work area.
- Ensure that the safety devices are in good working condition. Make sure that all safety devices are operating properly before each use.
- Do not use the product if the power cord or other important parts, such as safety devices, high-pressure hoses, or trigger gun, are damaged.
- Exercise caution when opening the trigger. Hold the trigger handle firmly with two hands to avoid injury when the trigger handle kicks back.
- The pressure washer output is powerful and can potentially damage surfaces. Always check the condition of the paintwork before using the product on the painted surface.

⚠ **WARNING!** During the use of high-pressure cleaners, aerosols may be formed. Inhalation of aerosols can be hazardous to health. Depending on the application, shielded nozzles can be used for high-pressure cleaning, which reduces the emission of hydrous aerosols. However, not all applications allow the use of shielded nozzles. If shielded nozzles are not applicable for the protection against aerosols, a respiratory mask of class FFP 2 or equivalent may be needed, depending on the cleaning environment.

- Never leave the product running unattended. Power off the product, and disconnect it from the power outlet. Do not leave the product until it has come to a complete stop.

⚠ **WARNING!** High-pressure jet is dangerous if misused. Do not direct the jet to people, live electrical equipment, or the product itself.

- To avoid a risk of explosion, do not spray flammable liquids.
- Do not direct the jet against yourself or others to clean clothes or footwear.
- Do not use the product to clean electronic devices, clothes, or footwear.
- High-pressure hoses, fittings, and couplings are important for the safety of the product. Use only hoses, fittings, and couplings that are recommended by the manufacturer.

- Injuries may be caused, or aggravated, by prolonged use of the product. When using the product for prolonged periods, ensure to take regular breaks.

⚠ **CAUTION!** The product must not be used on a drinking water supply without a backflow preventer that complies with local regulations. Water that has flowed through a backflow preventer is considered non-drinkable. Always observe the regulations of your local water utility company when connecting the product to a water supply line. Do not connect the product to the public drinking water network.

ELECTRICAL SAFETY WARNINGS

- Power plugs must match the outlet. Never modify the plug in any way. Unmodified plugs and matching outlets reduce the risk of electric shock.
- Do not use the product if the power cord or other important parts, such as safety devices, high-pressure hoses, or trigger gun, are damaged.
- Before every use, examine the power cord for damage. If the power cord is damaged, contact customer service to avoid a hazard.
- Keep the power cord away from heat, oil, and sharp edges.
- Never touch the mains plug and the socket with wet hands.
- Inadequate extension cords can be dangerous. If an extension cord is used, it shall be suitable for outdoor use, and the connection has to be kept dry and off the ground. Use a cord wheel to keep the socket at least 60 mm above the ground.
- Check the extension cord before every use for damage. Always uncoil cords during use because coiled cords can overheat. Damaged extension cords should not be repaired, they should be replaced with an equivalent type.
- The electric supply connection shall be made by a qualified electrician and comply with AS/NZS 3000. It is recommended that the electric supply to this product should include either a residual current device that will interrupt the supply if the leakage current to earth exceeds 30 mA for 30 ms or a device that will prove the earth circuit.

ADDITIONAL SAFETY WARNINGS

- Some regions have regulations that restrict the use of the product to some operations. Check with your local authority for advice.
- Do not use the product on any material with asbestos.
- Before each use, check the product for damage. A damaged high-pressure hose must be replaced immediately. Ensure that all connections, such as high-pressure hose and nozzle, are secure. Unwind the hose properly so that it may not get twisted or kinked.
- Do not allow children or untrained individuals to use the product.
- Before starting any cleaning operation, close doors and windows. Clear the area to be cleaned of debris, toys, outdoor furniture, or other objects that could create a hazard.
- Never pick up or carry the product while it is running.
- Do not use the product in temperatures below 0 °C.
- Do not use acids, alkalines, solvents, flammable materials, bleaches, or industrial-grade solutions in the product. These products can cause physical injuries to the operator and irreversible damage to the product.
- Operate the product in the recommended position and only on a firm and level surface.
- Hold the trigger handle securely with both hands. Expect the trigger handle to move when the trigger is pulled due to reaction forces. Failure to do so could cause loss of control and injury to yourself and others.
- Make sure that the air in the hose and pump is released before you power on the product. To remove the air in the hose and pump, connect the water supply to the pump using a garden hose, connect the trigger handle to the pump using the high-pressure hose, disengage the trigger handle lock, and press the trigger until there is a steady flow.
- Exercise caution to avoid slipping or falling.
- Keep firm footing and balance at all times. Do not overreach. Overreaching can result in loss of balance and can result in serious injury.

- Use only accessories that are recommended by the manufacturer. The use of improper accessories may cause injury.
- Never leave the product running unattended. Power off the product. Do not leave the product until it has come to a complete stop.
- Be familiar with the controls and the proper use of the product. Know how to power off the product and bleed the pressure quickly.
- Stay alert, and exercise control. Watch what you are doing, and use common sense.
- Do not use the product if the switch does not power it on and off. Any product that cannot be controlled with a switch is dangerous and must be repaired.
- Keep a minimum distance of 30 cm when cleaning vehicles. The high-pressure jet may damage or burst vehicle tires or tire valves.
- Use a garden hose with a maximum length of 15 m and minimum diameter of 12 mm.
- Before each use, ensure that the accessory is securely attached to the trigger gun.

OVERLOAD PROTECTION

The product has an overload protection device that is activated when overheating or when a current spike occurs, automatically shutting down power within the product. To resume operation, disconnect the product from the power outlet, wait for about 15 minutes, and reconnect the product to the power outlet.

TRANSPORTATION AND STORAGE

⚠ **CAUTION!** Mind the weight of the product when selecting the storage location and during transportation to prevent accidents or injuries.

- Power off the product, disconnect it from the power outlet, and allow the product to cool down. Disconnect the product from the water supply before storing or transporting. Never place the product in any position other than upright.
- Remove all foreign materials from 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.
- Remove water from all hoses and the pump, and empty the detergent tank before storing the product.
- When transporting the product in a vehicle, secure it against movement or falling to prevent injury to persons or damage to the product.
- Store the product indoors only. Storing the product in an area with temperature below 0 °C will damage the product.

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.
- Power off the product, disconnect it from the power outlet, and allow it to cool down. Disconnect the product from the water supply. Make sure that all components have come to a complete stop:
  - before servicing
  - before clearing a blockage
  - before checking, cleaning, or working on the product
- You may make adjustments and repairs that are described in this manual. For other repairs, contact customer service.
- Regularly inspect and maintain the product for safe operation. RYOBI recommends inspecting the product every 6 months.
- Check all nuts, bolts, and screws before each use and at frequent intervals for proper tightness to ensure that the product is in safe working condition. For any sign of damage, contact customer service.

SAFETY DEVICES

- On/Off button
  - The on/off button prevents unintentional operation of the product.
- Trigger handle lock
  - The trigger handle lock locks the trigger and prevents unintentional opening of the high-pressure jet.
- Overflow valve with pressure switch
  - The overflow valve prevents the permissible working pressure from being exceeded. If the lever on the trigger gun is released, the pressure

switch powers off the pump and the high-pressure jet stops. If the lever is pulled, the pump powers on again.

- Overload protection
  - A thermal sensor protects the product from overloading. The product will automatically shut the power down while overheating.

SYMBOLS ON THE PRODUCT



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



Wear eye, ear, and head protection.

IPX5 Degree of protection



Wear eye protection.



Never point the gun to persons, animals, the product, the power outlet, or any electric appliance.



Burst hazard



To reduce the risk of injury from kickback, hold the trigger gun lance securely with both hands when the product is on.



Failure to use in dry conditions and to observe safe practices can result in electric shock.



To reduce the risk of injury from high-pressure injection, do not direct the spray at persons or animals.



The product is not suitable for connection to the drinking water supply without backflow preventer.



Regulatory Compliance Mark (RCM). The product meets applicable regulatory requirements.



Guaranteed sound power level



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



Parts or accessories sold separately



Note



Warning

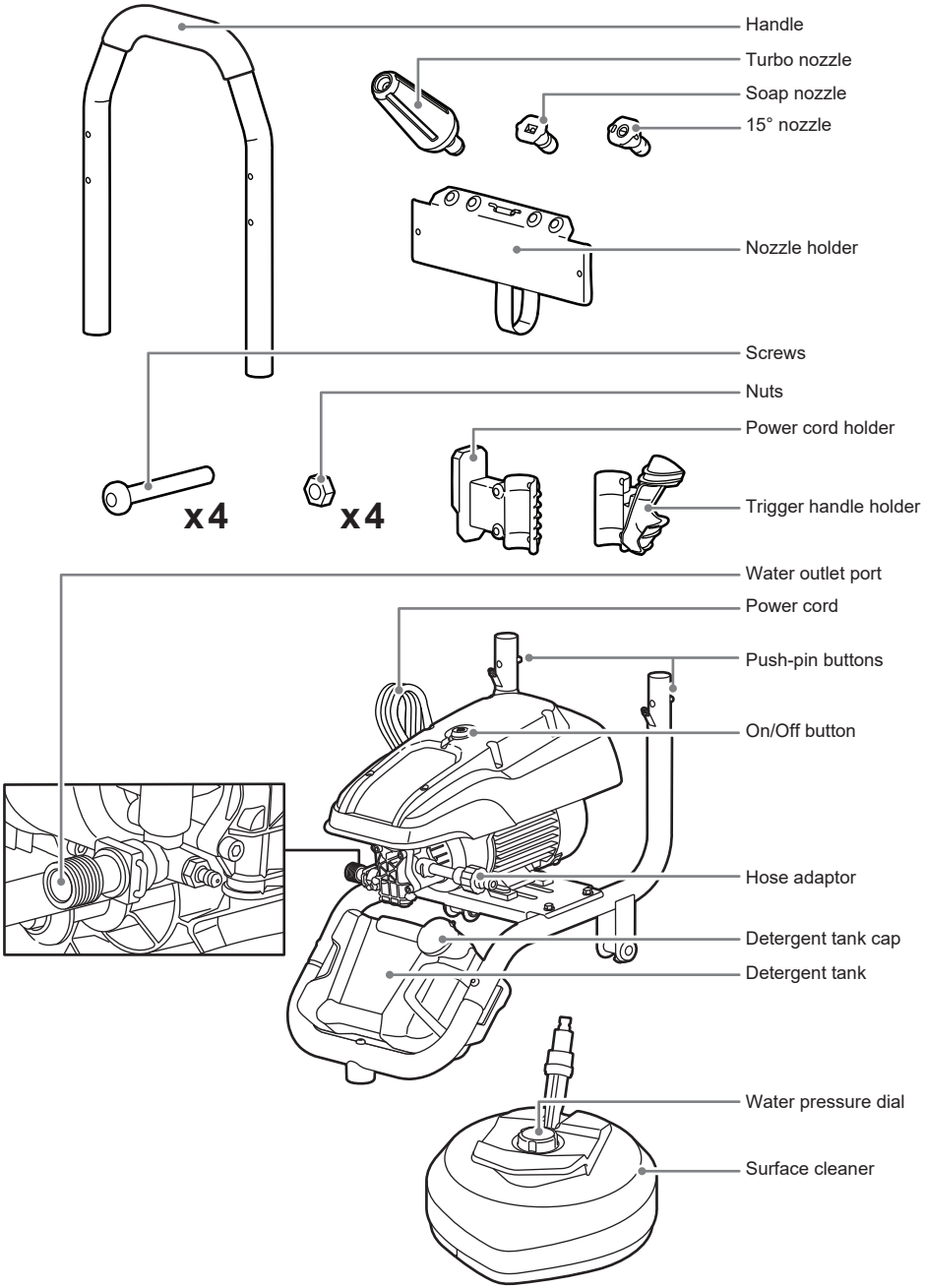


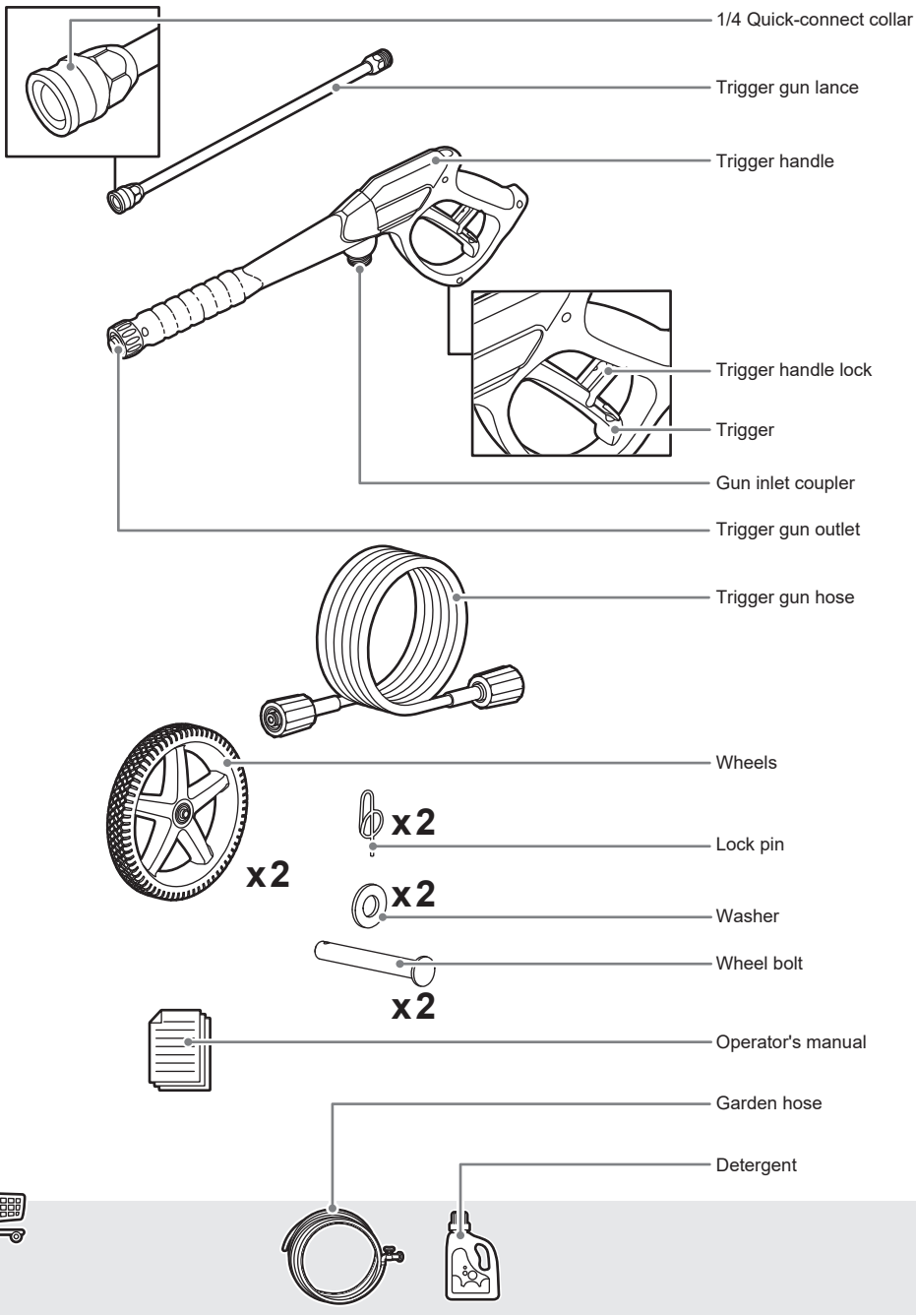
Connect to the power outlet.

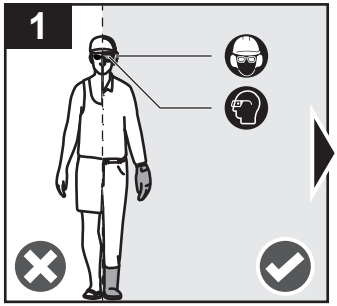


Disconnect from the power outlet.

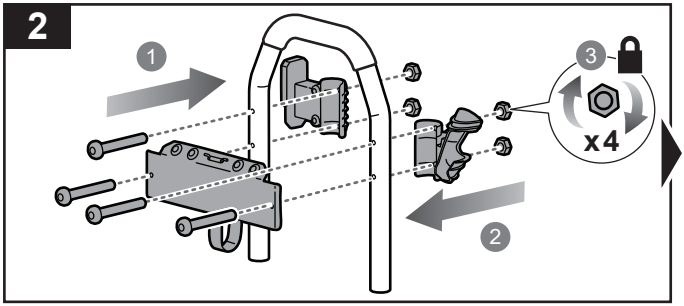
RACPWS4


Handle
Turbo nozzle
Soap nozzle
15° nozzle
Nozzle holder
Screws
Nuts
Power cord holder
Trigger handle holder
x4
x4
Water outlet port
Power cord
Push-pin buttons
On/Off button
Hose adaptor
Detergent tank cap
Detergent tank
Water pressure dial
Surface cleaner

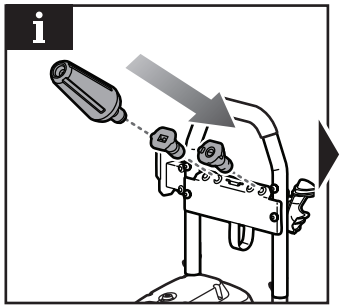

1/4 Quick-connect collar
Trigger gun lance
Trigger handle
Trigger handle lock
Trigger
Gun inlet coupler
Trigger gun outlet
Trigger gun hose
Wheels
x2
x2
Lock pin
x2
Washer
Wheel bolt
x2
Operator's manual
Garden hose
Detergent



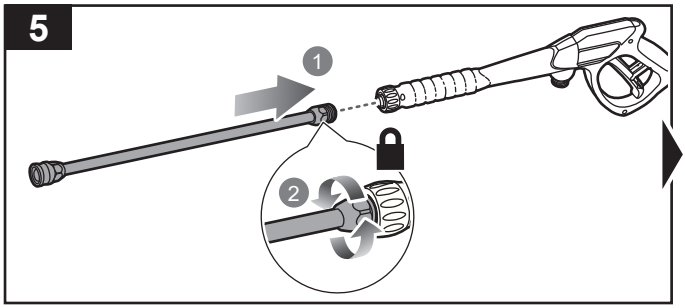
Wear full eye, ear, and head protection, protective gloves, substantial footwear, and long trousers at all times while operating the product. Do not operate the product when barefoot or wearing open sandals.



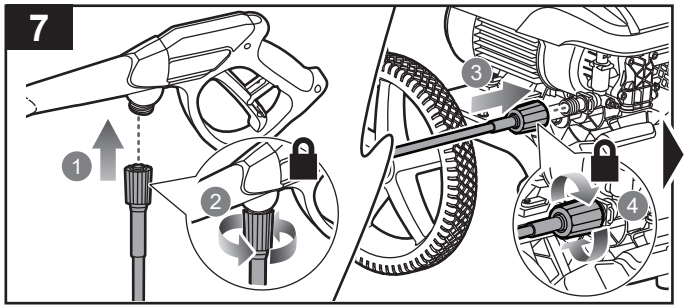
On the front side of the handle, attach the nozzle holder using two screws. On the rear left-hand side of the handle, attach the power cord holder using the nozzle holder screw and a new screw. On the rear right-hand side of the handle, attach the trigger handle holder using the nozzle holder screw and a new screw. Attach a nut on each screw. Turn the nuts clockwise to tighten and secure the holders.



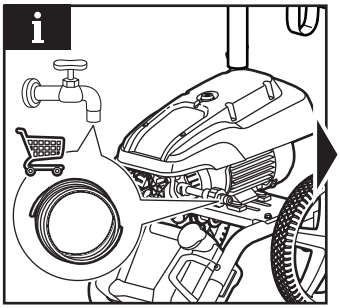
NOTE: Store nozzles that are not in use on the nozzle holder.



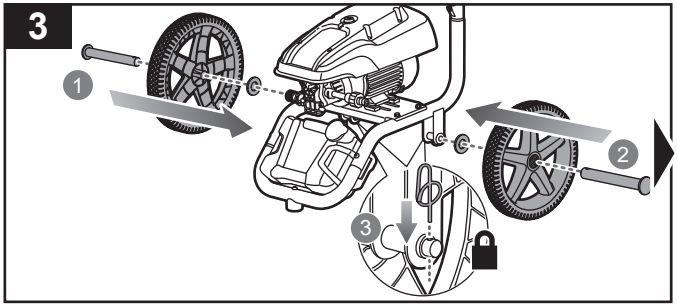
Insert the trigger gun lance into the trigger gun outlet, and turn the trigger gun lance counterclockwise to tighten.



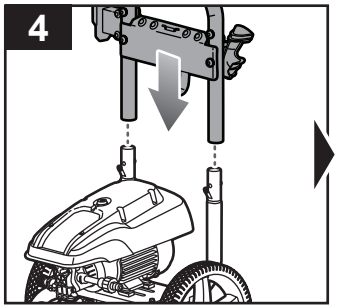
Connect one end of the trigger gun hose into the gun inlet coupler, and turn the high-pressure hose counterclockwise to tighten. Install and secure the trigger gun hose to the hose adaptor, and turn the trigger gun hose clockwise to tighten.



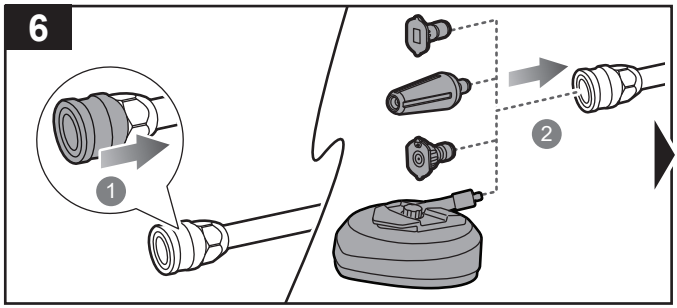
NOTE: Use the garden hose to connect the product to the water source.



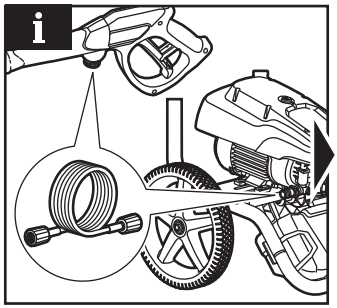
On each side of the product, align the mounting holes of a washer and a wheel to the wheel bracket and insert a wheel bolt through the mounting holes. On the inner side of the wheel bracket, insert a lock pin through the hole on the wheel bolt to secure the wheel.



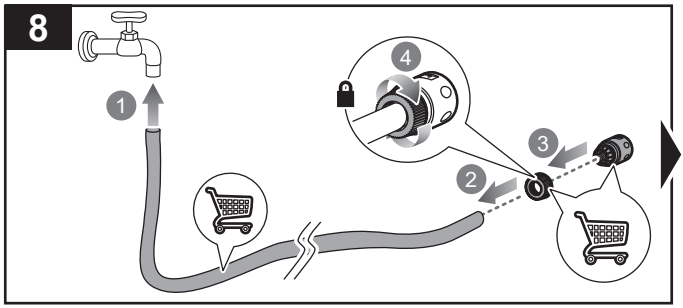
Slide the handle over the handle frames on the product until the push pin buttons click and secure the handle in place.



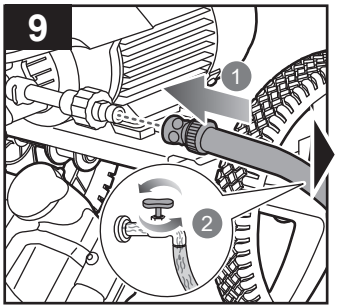
Pull back the quick-connect collar. Insert the preferred nozzle into the quick-connect collar until the nozzle clicks into place.



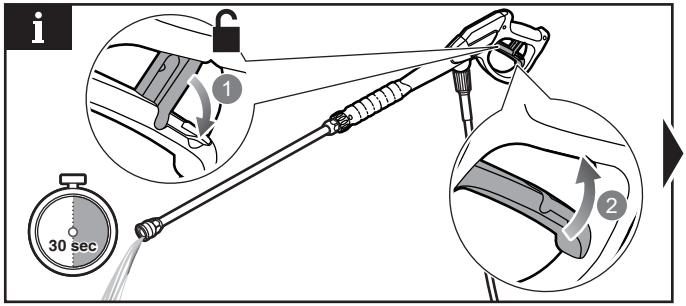
NOTE: Use the trigger gun hose to connect the product to the trigger gun.



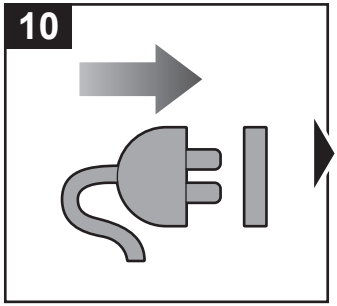
Connect one end of the garden hose to the water source. Install and secure the garden hose connector on the other end of the garden hose.



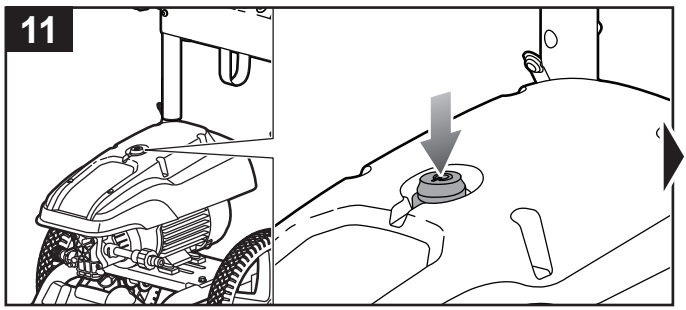
Connect the garden hose to the hose adaptor. Power on the water source to allow water to flow into the product.



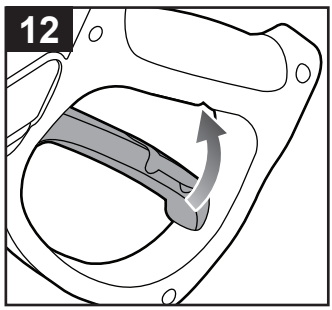
NOTE: Push down the trigger handle lock until it unlocks into position. Squeeze and hold the trigger for 30 seconds or until water flows normally to relieve air pressure, run water, and clean any debris from the hose. Always remove the existing air pressure within the product before operation.



Connect the product to a power outlet.

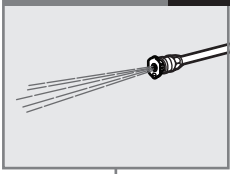


Press the on/off button to power on the product.

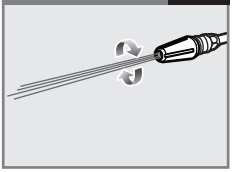


Squeeze and hold the trigger to operate the product.

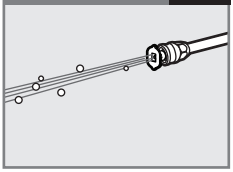
Using the product p.12



Using the turbo nozzle p.13

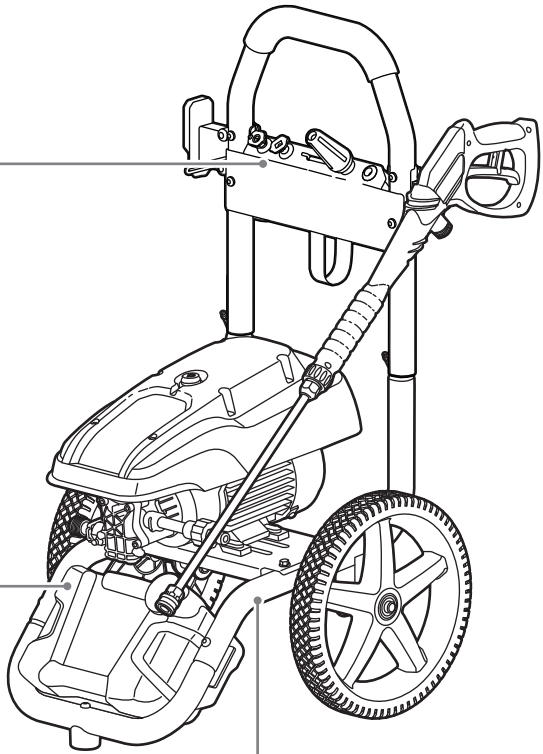


Using the soap nozzle p.14

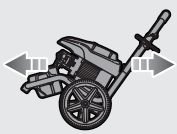


Using the surface cleaner p.15

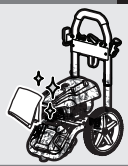




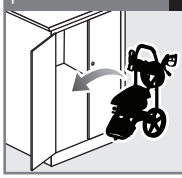
Moving the product p.16

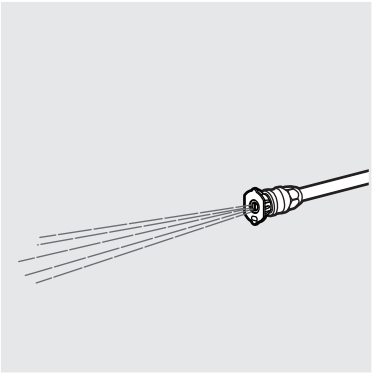


Cleaning the product p.17



Storing the product p.18

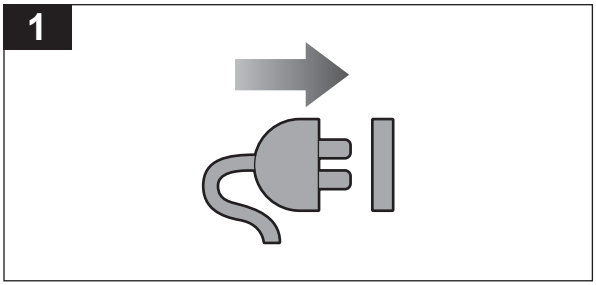


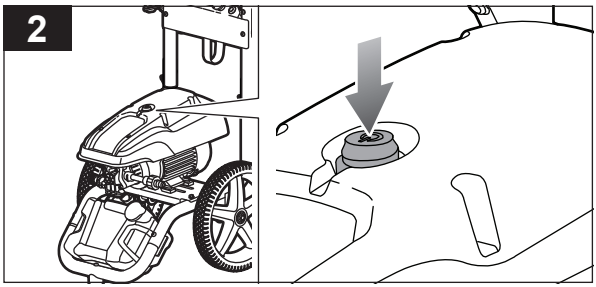


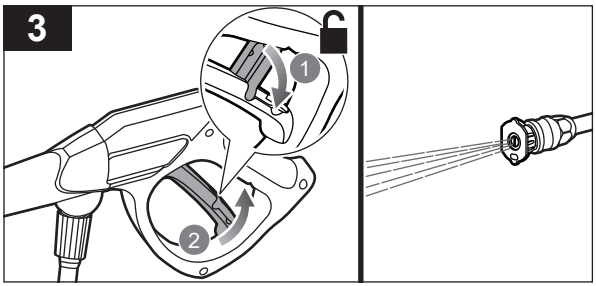
USING THE PRODUCT

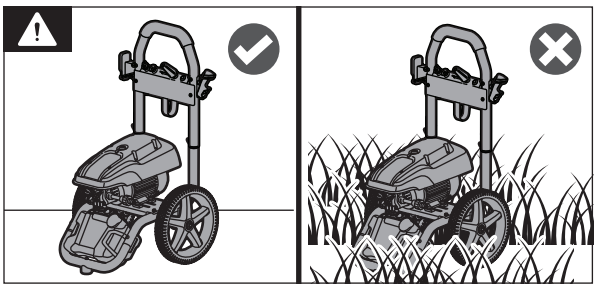
1. Connect the product to a power outlet.
2. Press the on/off button to power on the product.
3. Push down the trigger handle lock until it unlocks into position. Squeeze and hold the trigger to operate the product.

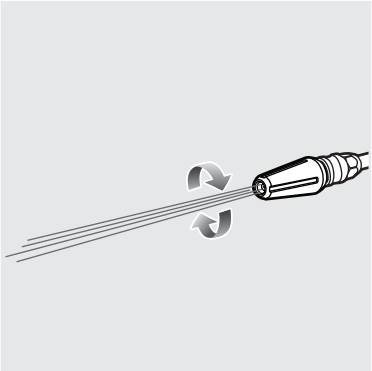
WARNING: Check the work area before each use. Remove all objects, such as rocks, broken glass, nails, wire, or string, which can be thrown or become entangled in the product.





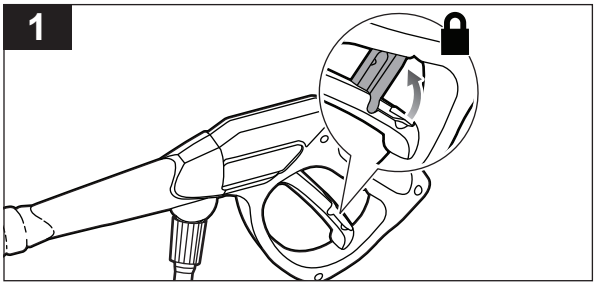


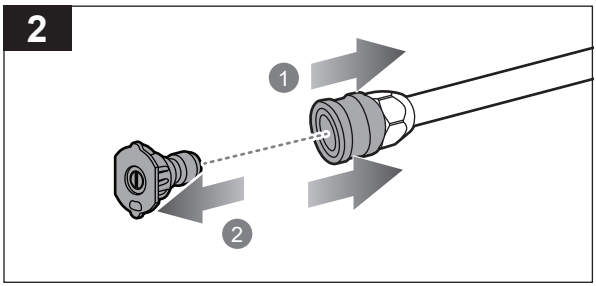


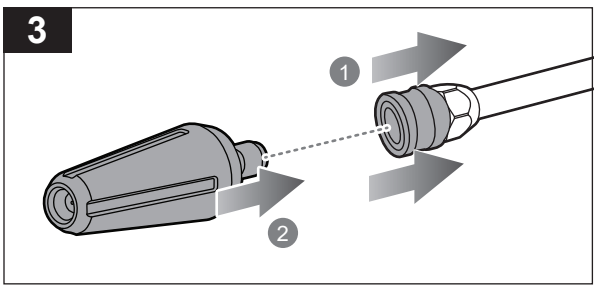


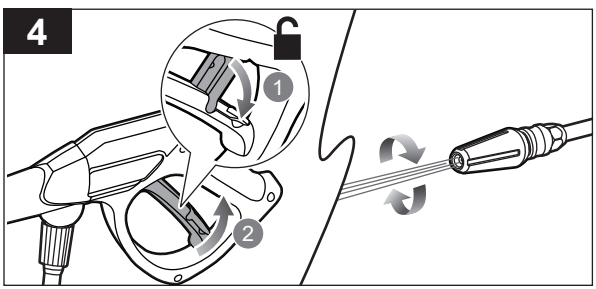
USING THE TURBO NOZZLE

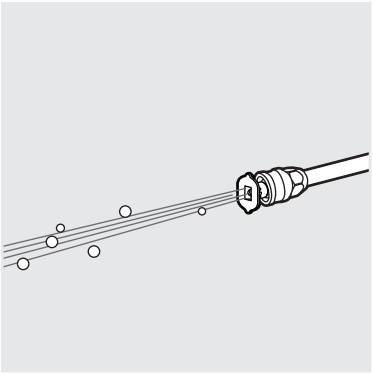
1. Engage the trigger handle lock on the handle. Push the trigger handle lock upwards until it locks into position.
2. Pull back the 1/4 quick-connect collar. Remove the 15° nozzle from the collar.
3. Pull back the 1/4 quick-connect collar and insert the turbo nozzle into the collar until it clicks into place.
4. Push down the trigger handle lock until it unlocks into position. Squeeze and hold the trigger to operate the product.





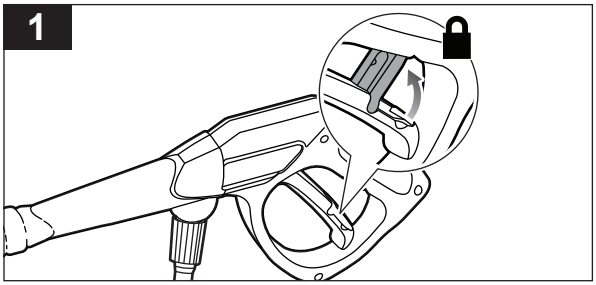


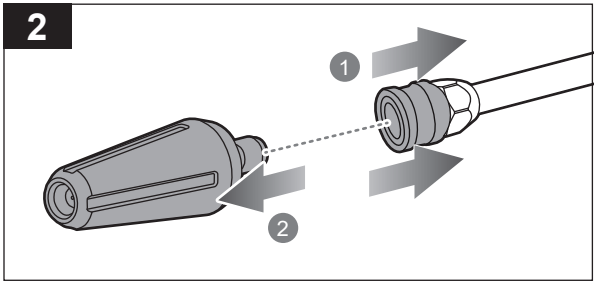


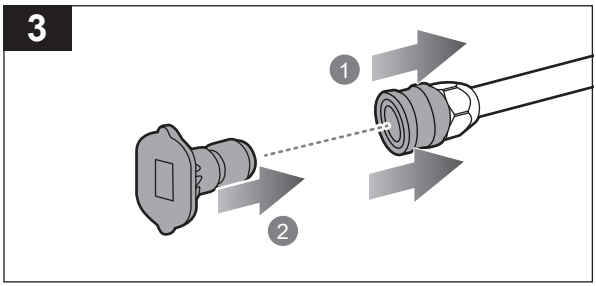


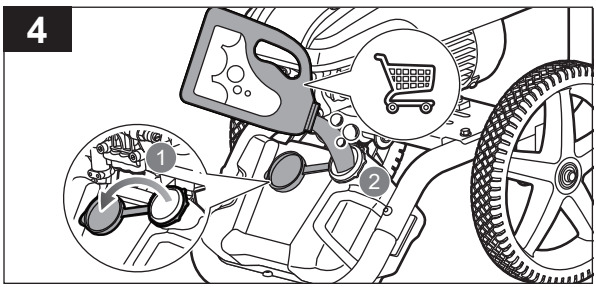
USING THE SOAP NOZZLE

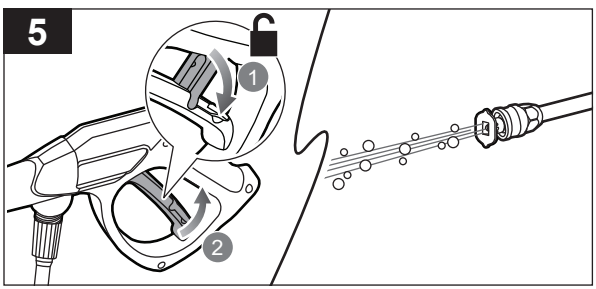
1. Engage the trigger handle lock on the handle. Push the trigger handle lock upwards until it locks into position.
2. Pull back the 1/4 quick-connect collar. Remove the turbo nozzle from the collar.
3. Pull back the 1/4 quick-connect collar and insert the soap nozzle into the collar until it clicks into place.
4. Open the detergent tank cap. Pour the detergent into the detergent tank. Close the detergent tank.
5. Push down the trigger handle lock until it unlocks into position. Squeeze and hold the trigger to operate the product.









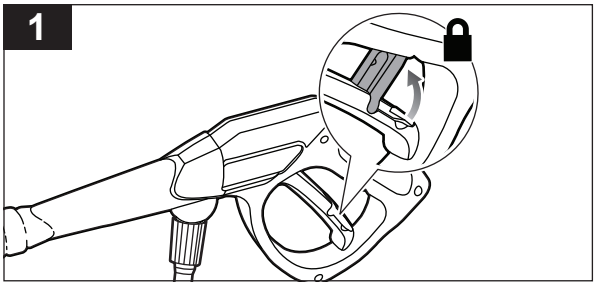


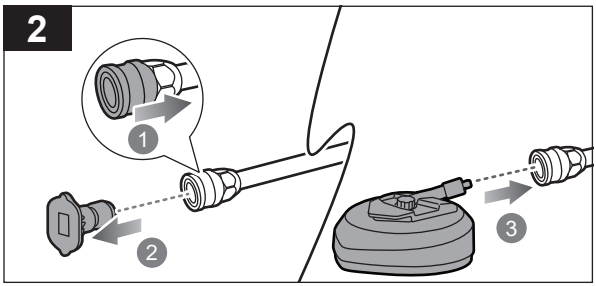


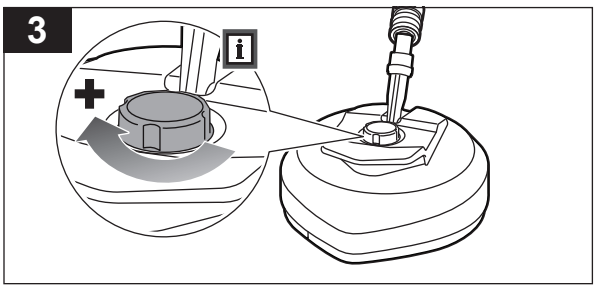
USING THE SURFACE CLEANER

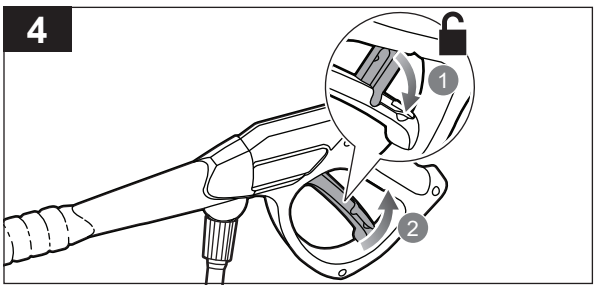
1. Engage the trigger handle lock on the handle. Push the trigger handle lock upwards until it locks into position.
2. Pull back the 1/4 quick-connect collar and remove the soap nozzle. Insert the surface cleaner into the 1/4 quick-connect collar.
3. Turn the water pressure dial to the maximum setting.

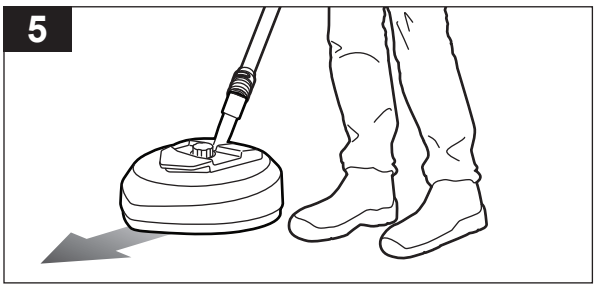
   NOTE: The water pressure dial must be set to the maximum setting for optimal performance.
4. Push down the trigger handle lock until it unlocks into position. Squeeze and hold the trigger to operate the product.
5. Operate the product in the proper position. Always hold the product by the designated handle.

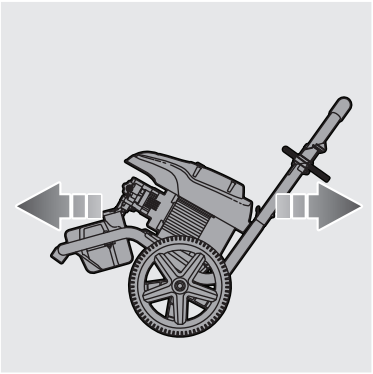








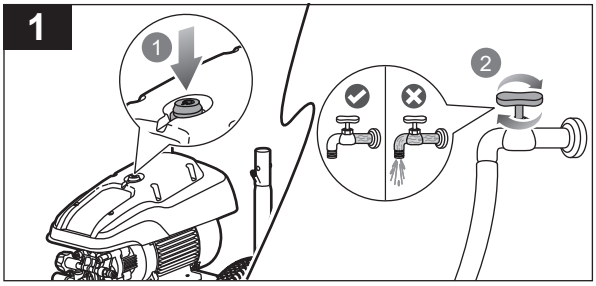


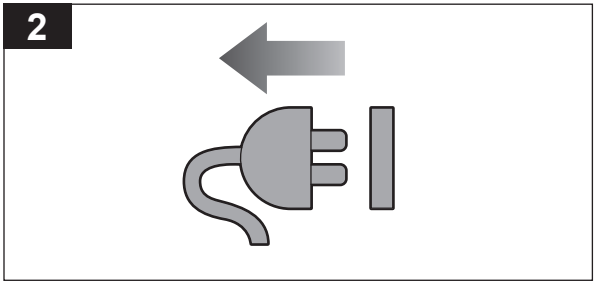


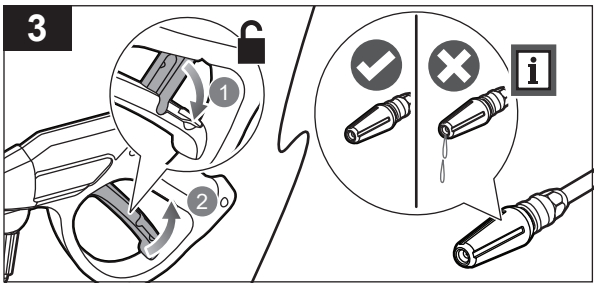
MOVING THE PRODUCT

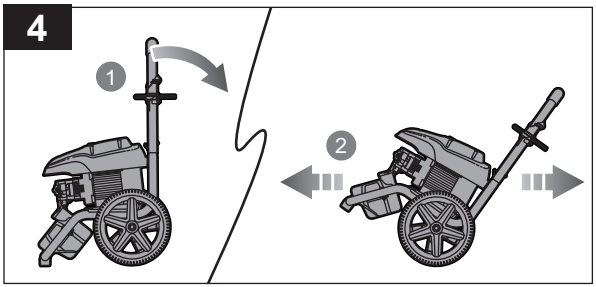
1. Press the on/off button to the off position. Power off the water supply.
2. Disconnect the product from the power outlet. Store the power cord properly.
3. Push down thne trigger handle lock until it unlocks into position. Squeeze the trigger to release water pressure.

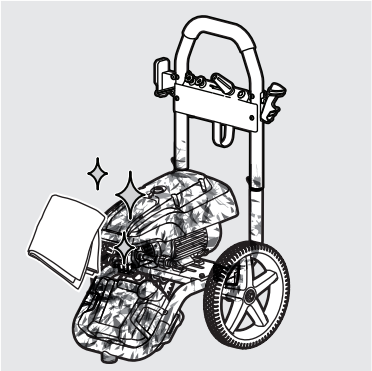
   NOTE: There should be no leaking from the nozzle once all the water is drained.
4. Tilt the product backwards until it balances on its wheels. Roll the product to the preferred location.







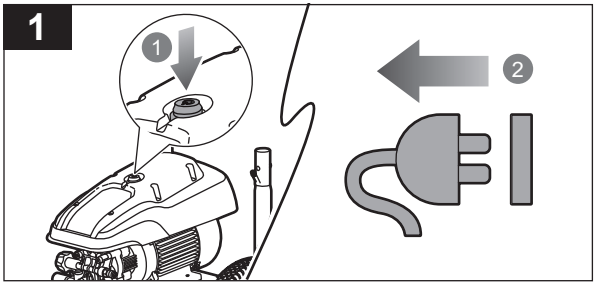


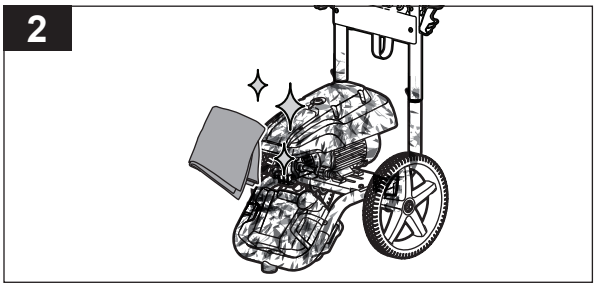


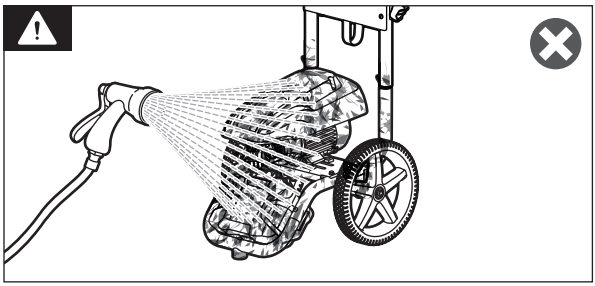
CLEANING THE PRODUCT

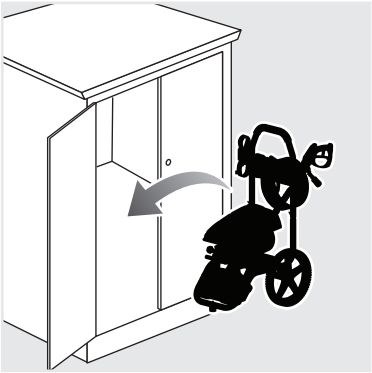
1. Press the on/off button to the off position. Disconnect the product from the power outlet.
2. Clean the product using a dry cloth.

WARNING: Do not use water to clean the product. Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents. Use clean cloths to remove dirt, dust, oil, grease, etc.





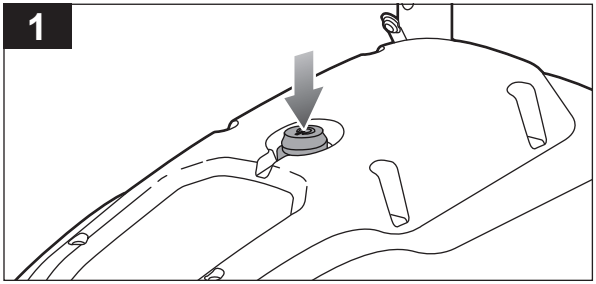


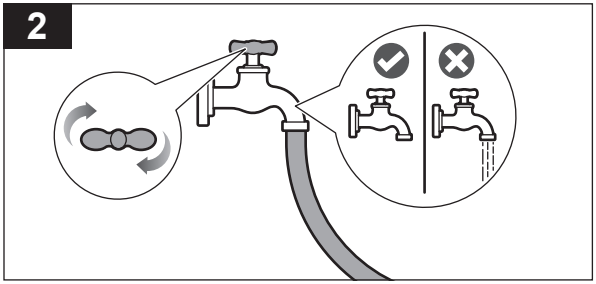


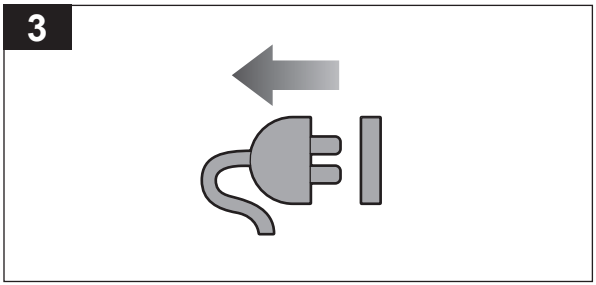
STORING THE PRODUCT

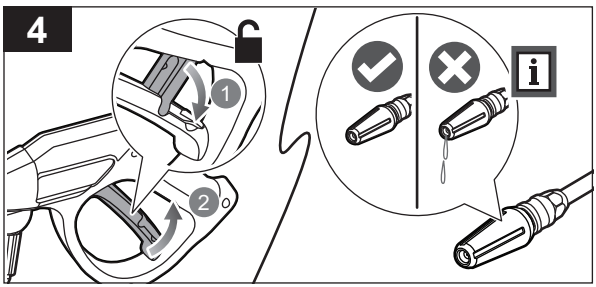
1. Press the on/off button to the off position.
2. Power off the water supply.
3. Disconnect the product from the power outlet. Store the power cord properly.
4. Push down the trigger handle lock until it unlocks into position. Squeeze the trigger to release water pressure.

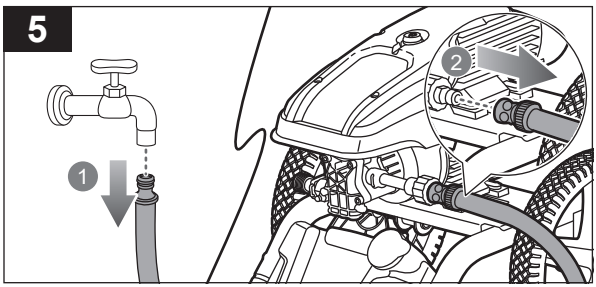
   NOTE: There should be no leaking from the nozzle once all the water is drained.
5. Disconnect the other end of the garden hose from the water tap. Disconnect the garden hose from the hose adaptor.



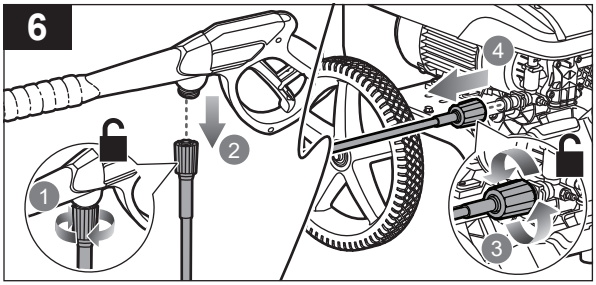


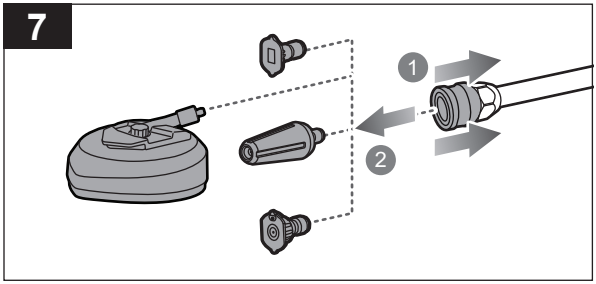


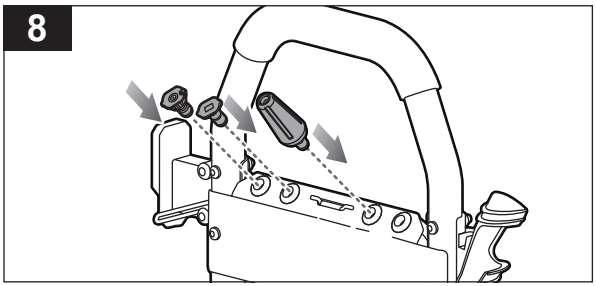


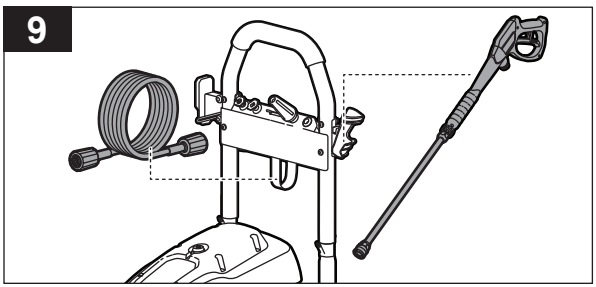


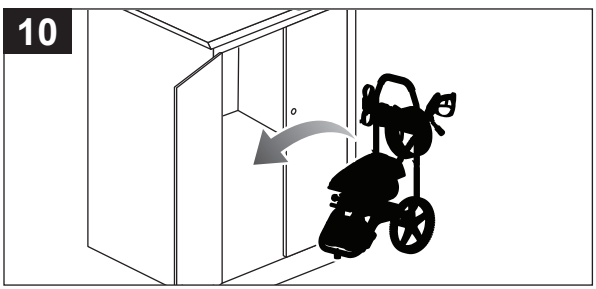
6. Turn the high-pressure hose collar clockwise to loosen. Disconnect the high-pressure hose from the gun inlet coupler. Turn the other end of the high-pressure hose clockwise to loosen. Disconnect the high-pressure hose from the water outlet port.
7. Pull back the 1/4 quick-connect collar and disconnect the current nozzle from the 1/4 quick-connect collar.
8. Insert the nozzles into their designated holders.
9. Attach the trigger gun hose and the trigger handle into their designated holders.
10. 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.











PRODUCT SPECIFICATIONS

Electric high-pressure cleaner	
Model	RACPWS4
Rated voltage	220–240 V a.c.
Frequency	50 Hz
Power	2100 W
Weight	20 kg
Maximum pressure	19 MPa (190 bar, 2750 psi)
Rated pressure	15.8 MPa (158 bar, 2300 psi)
Degree of protection	IPX5
Rated flow	5.7 L/min
Maximum flow	6 L/min
Maximum inlet water pressure	0.7 MPa (7 bar)
Detergent tank	3.8 L
Power cord length	10 m
Vibration value (in accordance with IEC 60335-2-79)	
Vibration value	a_h = < 2.5 m/s^2
Uncertainty	K_h = 1.5 m/s^2
Noise emission level (in accordance with IEC 60335-2-79)	
A-weighted sound pressure level	L_{pA} = 78 dB(A)
Uncertainty	K_{pA} = 3 dB(A)
A-weighted sound power level	L_{WA} = 93 dB(A)
Uncertainty	K_{WA} = 3 dB(A)

ACCESSORIES

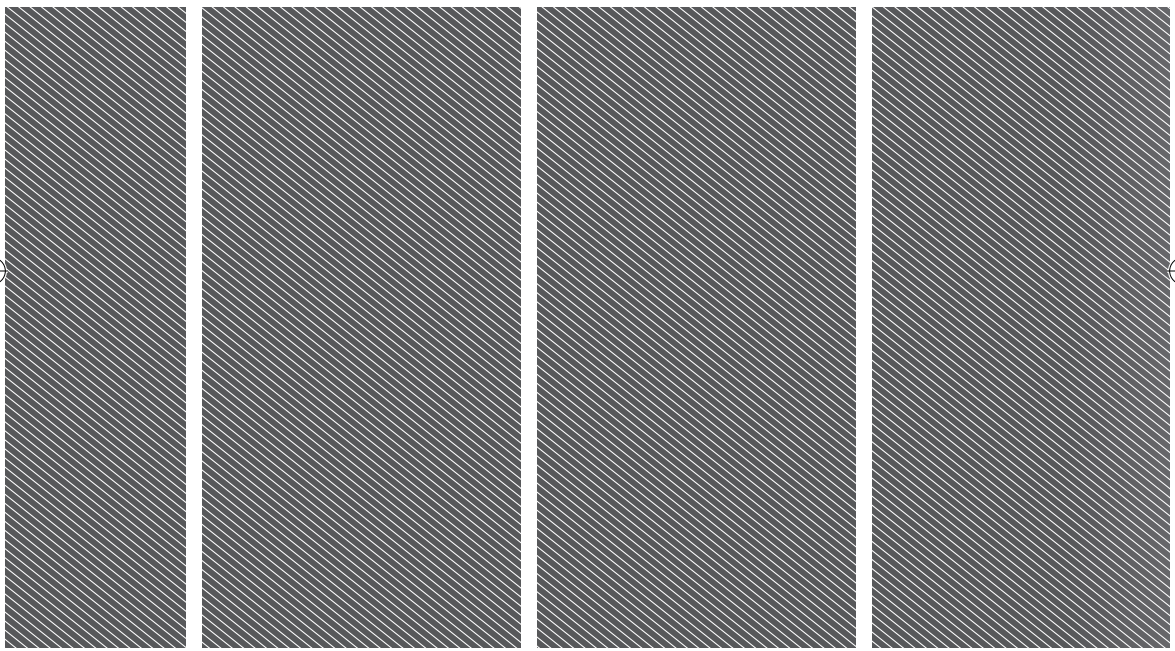
1/4-inch turbo nozzle	RPW11
1/4-inch surface cleaner	RPW12
1/4-inch detergent bottle	RPW13

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

The declared vibration and noise emission values represent the main applications of the tool. However, if the tool is used for different applications, used with different accessories, or poorly maintained, the vibration and noise emission may differ. These conditions may significantly increase the exposure levels over the total working period.

An estimation of the level of exposure to vibration and noise should take into account the times when the tool is turned off or when it is running idle. These conditions may significantly reduce the exposure level over the total working period.

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



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Techtronic Industries Australia Pty Ltd
31 Gilby Road, Mount Waverley, VIC 3149
Melbourne, Australia

Techtronic Industries N.Z. Limited
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