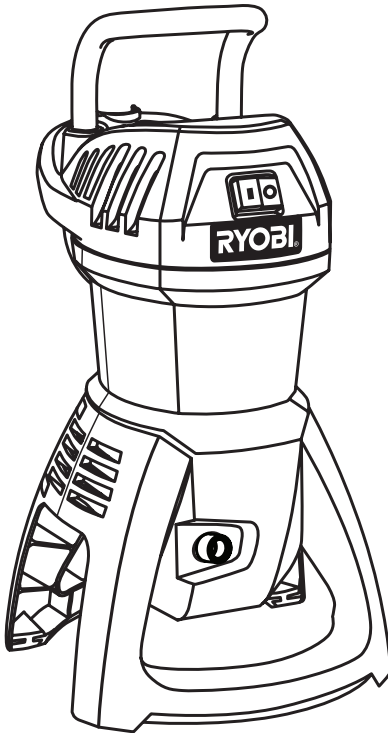


RYOBI®

RPW080S/ RPW100S/RPW120S

ELECTRIC PRESSURE WASHER OPERATOR'S MANUAL



N197

WARNING! Do not use the appliance without reading the instruction sheet.

IMPORTANT SAFETY INSTRUCTIONS



WARNING:

Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, which will cause death or serious personal injury.

READ ALL INSTRUCTIONS BEFORE USING THIS PRODUCT

- **KNOW YOUR MACHINE.** Read the operator's manual carefully. Learn the machine's applications and limitations as well as the specific potential hazards related to this machine.
- **TO REDUCE THE RISK OF INJURY,** keep children and visitors away. All visitors should wear safety glasses and be kept a safe distance from the work area.
- **KEEP THE AREA OF OPERATION CLEAR OF ALL PERSONS,** particularly small children, and pets. **WARNING:** do not use the appliance within range of persons unless they wear protective clothing.
- Do not direct the jet against yourself or others in order to clean clothes or foot-wear.
- **USE THE RIGHT MACHINE.** Don't force the machine or attachment to do a job it was not designed for. Don't use it for a purpose not intended.
- **DRESS PROPERLY.** Do not wear loose clothing, gloves, neckties, or jewelry. They can get caught and draw you into moving parts. Rubber gloves and nonskid footwear are recommended when working outdoors. Also wear protective hair covering to contain long hair.
- **DO NOT OPERATE THE EQUIPMENT WHILE BAREFOOT OR WHEN WEARING SANDALS OR SIMILAR LIGHTWEIGHT FOOTWEAR.** Wear protective footwear that will protect your feet and improve your footing on slippery surfaces.
- **EXERCISE CAUTION TO AVOID SLIPPING OR FALLING.**
- **ALWAYS WEAR SAFETY GLASSES WITH SIDE SHIELDS.** Everyday eyeglasses have only impact-resistant lenses; they are **NOT** safety glasses.
- **DON'T OVERREACH OR STAND ON UNSTABLE SUPPORT.** Keep proper footing and balance at all times.
- **USE RECOMMENDED ACCESSORIES ONLY WITH THIS MACHINE.** The use of improper accessories may cause risk of injury.



WARNING:


High pressure hoses, fittings and couplings are important for safety of the appliance. Use only hoses, fittings and couplings recommended by the manufacturer.

- **NEVER STAND ON THE MACHINE.** Serious injury could occur if the machine is tipped.
- **CHECK DAMAGED PARTS.** Do not use the appliance if a supply cord or important parts of the appliance are damaged, e.g. safety devices, high pressure hoses, trigger gun. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard. Before further use of the machine, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting and any other conditions that may affect its operation. A guard or other part that is damaged must be properly repaired or replaced by an authorised service centre to avoid risk of personal injury.
- To ensure appliance safety, use only original spare parts from the manufacturer or approved by the manufacturer.
- **NEVER LEAVE THE MACHINE RUNNING UNATTENDED. TURN THE POWER OFF.** Don't leave the machine until it comes to a complete stop.
- **FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR SAFE LOADING, UNLOADING, TRANSPORT, AND STORAGE OF THE MACHINE.**
- **BE THOROUGHLY FAMILIAR WITH THE CONTROLS.** Know how to stop the product and release bleed pressure quickly.
- **KEEP MACHINE DRY, CLEAN, AND FREE FROM OIL AND GREASE.** Always use a clean cloth when cleaning. Never use brake fluids, petrol, petroleum-based products, or any solvents to clean machine.
- **STAY ALERT AND EXERCISE CONTROL.** Watch what you are doing and use common sense. Do not operate the tool when you are tired. Do not rush.
- **DO NOT OPERATE THE PRODUCT WHILE UNDER THE INFLUENCE OF DRUGS, ALCOHOL, OR ANY MEDICATION.**
- **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 machine.
- **DO NOT USE THE MACHINE IF THE SWITCH DOES NOT TURN IT ON AND OFF.** Have defective switches replaced by an authorised service centre.
- **BEFORE CLEANING, REPAIRING, OR INSPECTING,** shut off the engine and make certain all moving parts have stopped. Disconnect from the electrical power supply before carrying out user maintenance. Disconnect the main power supply, and keep the wire away from the plug to prevent accidental starting.


English

- **AVOID DANGEROUS ENVIRONMENTS.** Don't use in damp or wet locations or expose to rain. Keep the work area well lit.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

SPECIFIC SAFETY RULES

- **DO NOT OPERATE AROUND** dry brush, twigs, cloth rags, or other flammable materials.
-  **WARNING:**
RISK OF INJECTION OR INJURY – Do not direct discharge stream at persons.

- **NEVER DIRECT A WATER STREAM TOWARDS PEOPLE OR PETS, OR ANY ELECTRICAL DEVICE.**
- **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 A MACHINE WHILE THE MOTOR IS RUNNING.**
- **NEVER START THE MACHINE** if ice has formed in any part of the equipment.

-  **WARNING:**
This appliance has been designed for use with the cleaning agent supplied or recommended by the manufacturer. The use of other cleaning agents or chemicals may adversely affect the safety of the appliance.

- **DO NOT USE ACIDS, ALKALINES, SOLVENTS, FLAMMABLE MATERIAL, OR INDUSTRIAL GRADE SOLUTIONS** in this product. These products can cause physical injuries to the operator and irreversible damage to the machine.
- **ALWAYS OPERATE THE MACHINE** on a level surface. If the engine is at an incline, it could seize due to improper lubrication (even at the maximum oil level).
- **WARNING: HIGH PRESSURE JETS CAN BE DANGEROUS IF SUBJECT TO MISUSE.** The jet must not be directed at persons, animals, live electrical equipment, or the appliance itself.

- **NEVER ATTEMPT TO MAKE ANY ADJUSTMENTS WHILE THE MOTOR IS RUNNING** (except where specifically recommended by the manufacturer).
- **KEEP THE ENGINE AWAY FROM FLAMMABLES AND OTHER HAZARDOUS MATERIALS.**
- **HIGH PRESSURE CLEANERS SHALL NOT BE USED BY CHILDREN OR UNTRAINED PERSONNEL.**
- **USE PROTECTIVE HEARING EQUIPMENT WHEN OPERATING THIS MACHINE.**







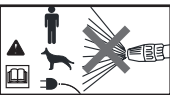


WARNING:
USE ONLY HOSES, FITTINGS AND COUPLINGS RECOMMENDED BY THE MANUFACTURER.

- **WHEN SERVICING USE ONLY IDENTICAL RYOBI REPLACEMENT PARTS.** Use of any other parts may create a hazard or cause product damage.
- **USE COLD WATER ONLY.**
- **MAKE SURE MINIMUM CLEARANCE** of 1m is maintained from combustible materials.
- **SAVE THESE INSTRUCTIONS.** Refer to them frequently and use them to instruct other users. If you loan someone this tool, loan them these instructions also.
- **DISCHARGE RESIDUAL PRESSURE** before disconnecting the cleaner hose.
- Before using the cleaner **CHECK EVERY TIME THAT THE SCREWS ARE FULLY TIGHTENED** and that there are no broken or worn parts.
- **ONLY USE DETERGENT WHICH WILL NOT CORRODE** the coating materials of the high pressure hose / electrical cable.
- **DO NOT USE THE CLEANER IF THE ELECTRICAL CABLE OR HIGH PRESSURE HOSE IS DAMAGED.**
- **THE ELECTRIC SUPPLY CONNECTING SHALL BE MADE BY A QUALIFIED ELECTRICAL AND COMPLY WITH IEC 60364-1.**
- It is recommended that the electric supply to this appliance 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.
- Appliance not suitable for connection to the drinking water mains without backflow preventer.




English

SYMBOLS

Some of the following symbols may be used on this product. Please study them and learn their meaning for safe operation.

SYMBOL	NAME	EXPLANATION
	Safety Alert	Precautions that involve your safety.
	Eye Protection	Always wear safety goggles or safety glasses with side shields or a full face shield when operating this product.
	Class II Construction	Double-insulated construction.
	Wet Conditions Alert	Do not expose to rain or use in damp locations.
	Read the Operator's Manual and keep Bystanders Away	To reduce the risk of injury, user must read and understand operator's manual before using this product and keep all bystanders at least 15m away.
	Electric Shock Precaution	Remove plug from the mains immediately if cable is damaged or cut.
	Sound power level	Sound power level is 96dB(A)

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

SYMBOL	SIGNAL	MEANING
	DANGER	Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.
	WARNING	Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.
	CAUTION	Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury.
	CAUTION	(Without Safety Alert Symbol) Indicates a situation that may result in property damage.

English

SERVICE

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 your nearest **AUTHORISED SERVICE CENTRE** for repair. When servicing, use only identical replacement parts.



WARNING:

To avoid serious personal injury, do not attempt to use this product until you read thoroughly and understand completely the operator's manual. Save this operator's manual and review it frequently for continuing safe operation and instructing others who may use this product.

SAVE THESE INSTRUCTIONS

FEATURES

PRODUCT SPECIFICATIONS

		RPW080S	RPW100S	RPW120S
Rated voltage	V~/Hz	220-240/50	220-240/50	220-240/50
Rated Pressure	Bar (Mpa)	60(6)	70(7)	90(9)
Permissible Pressure	Bar (Mpa)	90(9)	105(10.5)	130(13)
Power Rating	W	1200	1400	1600
Maximum Water Flow	L/min	6	6	6
Maximum Water Inlet pressure	Bar (Mpa)	5(0.5)	5(0.5)	5(0.5)
LWA(sound power level)	dB(A)	96	96	96
LpA(sound pressure level)	dB(A)	84	84	84
Protection Degree	IEC 60529	IPX5	IPX5	IPX5
Vibration r.m.s. acceleration	m/s ²	1.2	1.2	1.2

DESCRIPTION

1. Trigger gun with safety lock
2. Lance with adjustable spray nozzle
3. Detergent tank
4. Water outlet (OUTLET)
5. Main power switch
6. Rating plate
7. Water inlet with filter (INLET)
8. Operator's manual
9. Nozzle cleaning tool
10. High pressure hose
11. Electrical cable



WARNING:

The cross-section of any extension cables used must be proportional to their length, i.e. the longer the extension cable, the greater the cross-section; cables with a protection level of iIPX5i must be used. See Table a.

Table a.

MOTOR	Voltage volts	Extension cable up to 25 m	Extension cable up to 50 m
	220 - 240	section 3 x 1.5 mm ²	section 3 x 2.5 mm ²

- If an extension cord is used, the plug and socket must be of watertight construction.



WARNING:

Inadequate extension cords can be dangerous.

- Position the cleaner as **NEAR** as possible to the water supply.
- The cleaner must be used standing on a secure, stable surface, positioned as shown. (Fig. 2)

English

INTENDED USE

- The cleaner is intended only for the cleaning of vehicles, machines, boats, buildings, etc., by the removal of stubborn dirt using clean water and chemical detergents. .
- For domestic use only, not for professional use, and only for operation at temperatures above 0° C .
- Compliant with EN 60335-2-79/A2 standard.
- When using chemical detergents, use only highly biodegradable types.
- Only clean vehicle engines in areas in which suitable oil traps are installed.

SAFETY VALVE

- The safety valve also functions as a pressure limiting valve. When the gun trigger is released, the safety valve opens and the water recirculates through the pump inlet.

ASSEMBLY



CAUTION:

When connecting the appliance to the water supply mains, please observe the local regulations of local boards or local water supplier.



CAUTION:

To ensure that there is no feedback of contaminant into the water supply, the appliance must not be connected directly to the public drinking water supply mains.



CAUTION:

If the appliance is connected to potable water mains, backflow prevention devices should be incorporated in or fixed to the water supply system. The installation should be accepted by local boards or water supplier and should be conducted by professional technical personnel. The backflow prevention devices should be appropriate to fluid categories and comply with the requirement to avoid backsiphonage according to EN 60335-2-79/A2: 2007.

- Fit the lance into the gun. Rotate it until the two parts are completely locked. (Fig. 3)
- Connect the gun to the high pressure hose. (Fig. 4)
- Connect the high pressure hose to the water outlet on the cleaner. (Fig.5)
- Connect the water supply hose to the female coupler (Fig. 6), then connect to the water inlet of the cleaner. The supply hose must have an internal

diameter of at least 13mm (1/2 in.) and must be reinforced. The water supply must be at least equal to the cleaner delivery capacity.



WARNING:

The intake water temperature must not exceed 40°C (104° F). The water supply must not exceed 5 bar (0.5Mpa)



CAUTION:

The cleaner must only be used with clean water; use of unfiltered water or corrosive chemicals will damage the cleaner.

- Turn the motor switch to the "OFF" position. (Fig.9)
- Check that the electrical supply voltage and frequency (Volt/Hz) correspond to those specified on the cleaner rating plate. (Fig.7) If the power supply is correct, you may now plug in the cleaner.
- The cleaner must only be connected to power sockets with regulation earth connection. A differential safety breaker (30mA) will increase the safety of operators.

OPERATION

- Turn on the water supply tap fully.
- **Release the safety lock (Fig.8), then press the trigger for a few seconds to allow air to escape and to discharge residual pressure in the pipes.**
- Keeping the trigger pressed, push the switch to start the motor. (Fig.9)
- **When re-starting the motor, always keep the trigger pressed.**

USE DETERGENT(OPTIONAL ACCESSORY)



CAUTION:

Liquid detergent must be sprayed at low pressure.

- Fill the detergent tank to the level indicated through the inlet. (Fig.10)

CORRECT USE OF STANDARD ACCESSORIES

- The cleaner is equipped with the adjustable nozzle, which provides some important functions:
- **LOW PRESSURE** operation (for suction and spraying of detergent.)
- **HIGH PRESSURE** operation (for high pressure washing and rinsing).
- Jet adjustment from pencil to fan. (Fig.11)

RECOMMENDED CLEANING PROCEDURE

- Dissolve dirt by applying detergent with the fan jet to the dry surface. On vertical surfaces, work from the bottom upwards. Leave the detergent to act for 1 to 2 minutes, but do not allow to dry out. Apply the high pressure jet, keeping the nozzle at least 30cm (10 in.) from the surface, working from the bottom upwards.
- Avoid allowing the rinsing water to run on to unwanted surfaces.

STORAGE

- Switch off the cleaner.
- Turn off the water supply tap.
- After use, the detergent residuals should be removed from the tank.
- Discharge residual pressure by pressing the trigger until no more water comes out of the adjustable nozzle.
- Engage the gun safety lock.
- Remove the plug from the socket.
- Operate the cleaner with non-corrosive/ non-toxic antifreeze before storing for the winter.

MAINTENANCE

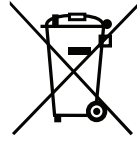


CAUTION:

Before working on the cleaner, disconnect the plug from the power supply socket.

- To ensure good performance, check and clean the suction and detergent filters after every 50 hours of operation. (Fig.12)
- Clean the nozzle with the tool provided. Remove the lance from the gun, (Fig.13), remove any dirt from the nozzle hole (Fig.14) and rinse.

DISPOSAL



Waste electrical products should not be disposed of together with household waste. Please recycle where facilities exist.

LIMITED WARRANTY

TTI warrants this outdoor product to be free of defects in material and workmanship for 24 months from the date of purchase by the original purchaser, subject to the limitations below. Please keep your invoice as proof of date of purchase.

This warranty is only applicable where the product is used for personal and non-commercial purposes.

This warranty does not cover damage or liability caused by / due to misuse, abuse, accidental or intentional acts by user, improper handling, unreasonable use, negligence, failure by end user to follow operating procedures outlined in the user's manual, attempted repair by non-qualified professional, unauthorised repair, modification, or use of accessories and/or attachments not specifically recommended by the authorised party. Please see your local dealer for list of authorised service centres in your area.

This warranty does not cover belts, brushes, bags, bulbs or any part which ordinary wear and tear results in required replacement during warranty period. This warranty does not cover transportation cost or consumable items such as fuses and batteries.

This limited warranty is void if the product's original identification (trade mark, serial number, etc.) markings have been defaced, altered or removed or if product is not purchased from an authorised reseller or if product is sold AS IS and / or WITH ALL FAULTS.

Where permitted, the provisions of this limited warranty are in lieu of any other written warranty, whether express or implied, written or oral, including any warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL WE BE LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL OR INCIDENTAL DAMAGES. OUR MAXIMUM LIABILITY SHALL NOT EXCEED THE ACTUAL PURCHASE PRICE PAID BY YOU FOR THE PRODUCT.

This warranty is valid only in the European Union, Australia and New Zealand. Outside these areas, please contact your authorised Ryobi dealer to determine if another warranty applies.

DECLARATION OF CONFORMITY

We declare on our own responsibility that this product conforms to the following standards or standardizing documentation:

EN60335-2-79:2004+A1:2006, EN60335-1:2002+A1:2004+A11:2004+A12:2006, EN50366:2003+A1:2006, EN55014-1:2000+A1+A2, EN55014-2:1997+A1, EN61000-3-2:2000+A2, EN61000-3-3:1995+A1

RPW080S/RPW100S/RPW120S

Measured Sound Noise Level:

96 dB (A)

Guarantee Sound Noise Level:

96 dB (A)

Date of issuance:

July, 2009

Issue By:

TUV Rheonland Group China - Shanghai

This product has been assessed to conform to the relevant noise limit by means of unit verification by TUV Rheonland Group China - Shanghai.

Technical documents are kept by the Project Manager (Testing & Standards), Homelite Far East Co. Ltd. 24/F., CDW Building, 388 Castle Peak Road, Tsuen Wan, Hong Kong.

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Tsuen Wan, Hong Kong.

Type: **RPW080S / RPW100S / RPW120S**
Name / title: Andrew Eyre
Vice President, Engineering
Signature:

