

⚠ IMPORTANT: Please read all safety warnings and all instructions.

Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Please read and understand this manual prior to using your Pressure Washer. Save this operating manual for future reference.

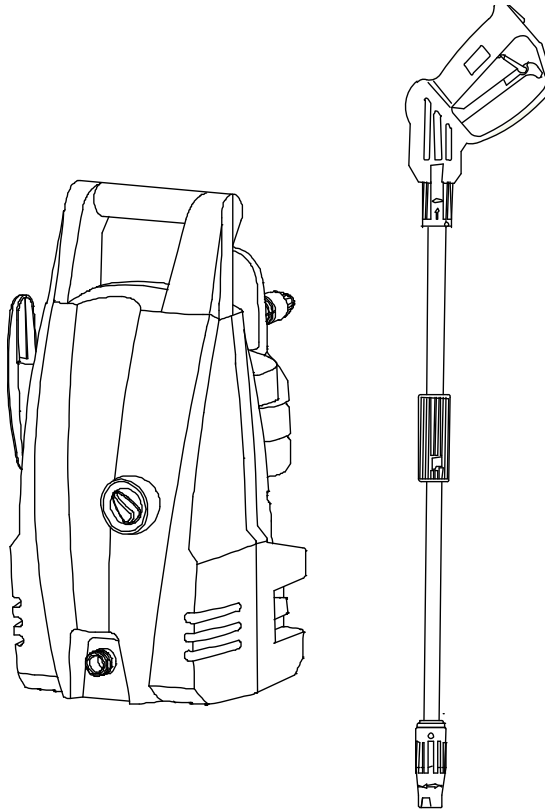
JET USA

P R E S S U R E W A S H E R S

RX450

RX SERIES ELECTRIC

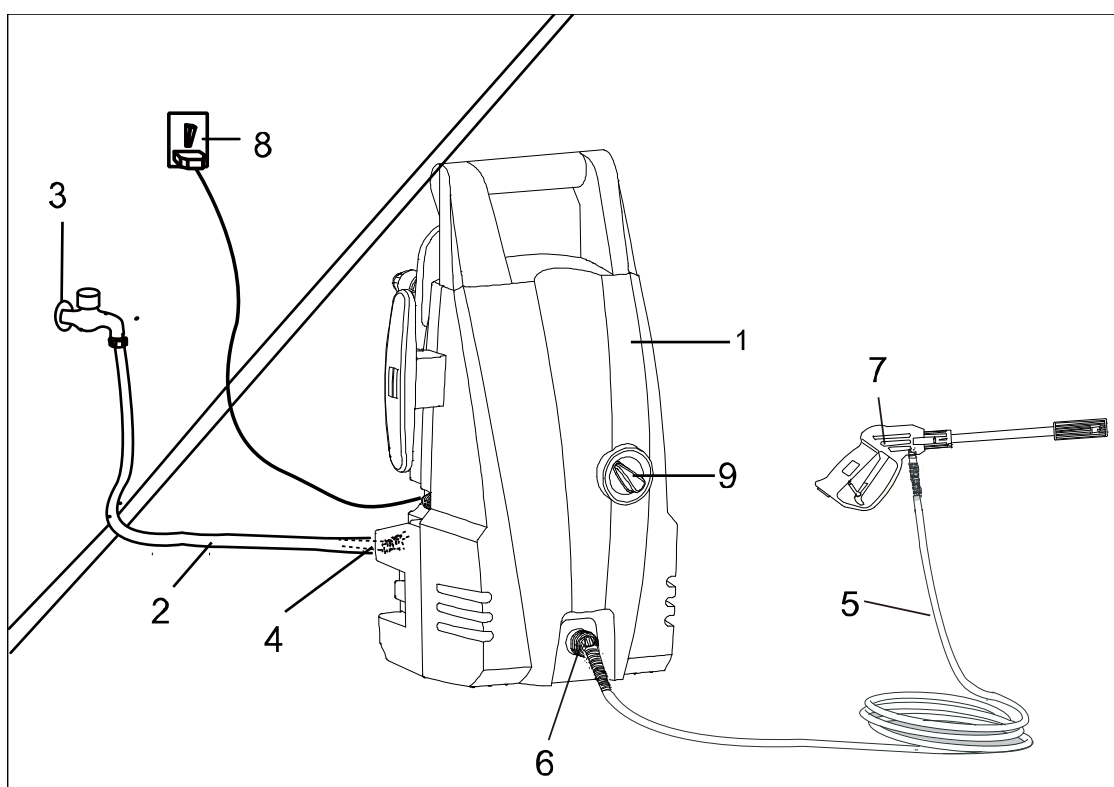
Electric Pressure Washer Operating Instructions



Specifications

Model	RX450
Working pressure	1600PSI (110bar)
Allowable pressure	2900PIS(200bar)
Working flow rate	5 l/min
Max. flow rate	6.25 l/min
Max. pressure water	0.4MPa(4 bar)
Motor Capacity	1400W
Power Supply Voltage	240V~50Hz

Know your product



- 1. Pressure cleaner
- 2. Water supply hose
- 3. Water connection

- 4. Water inlet
- 5. High pressure tube
- 6. Water outlet (backside)

- 7. Spray gun
- 8. Power supply
- 9. on/off switch

** No. 2, 3, 8 are not included*

Contents

Specifications.....	2
Know your product.....	2
Introduction	4
Assembly	4
Operation	4
Adjusting fan pattern.....	4
Angle to the cleaning surface	4
Distance from cleaning surface	5
How to avoid damaging surfaces	5
Turbo nozzle	5
Detergents	5
Surface preparation	5
Initial High Pressure Rinse	6
Detergent Application	6
Final Rinse	6
Shut down.....	6
Storage	7
Maintenance	7
Spare parts	7
Disposal / Recycling.....	7
Troubleshooting.....	8
Warranty.....	9
Description of symbols	10
Safety Warnings.....	10

Introduction

Congratulations on purchasing your Pressure Washer. We aim to provide quality tools at an affordable price. We hope you will enjoy using this tool for many years. Your RX450 Portable Washer has been designed for cars, bikes, boats and other outdoor equipment or garden patios, green houses etc.

Assembly

You will need a standard screw driver.

1. Insert cable hook hold into the machine (figure 1a)
2. Align holes on the bottom of the pressure cleaner as shown and tighten the 2 screws (figure 1b)

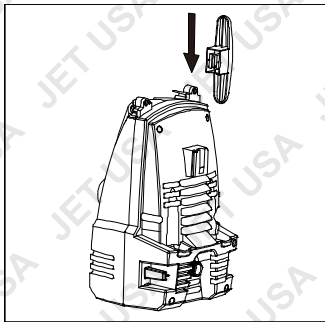


Figure 1a

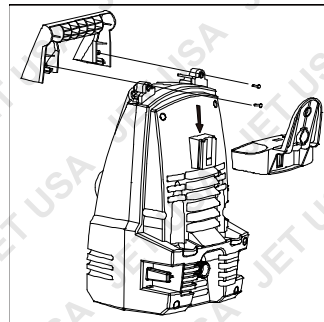


Figure 1b

Operation

Adjusting fan pattern

The angle of spray coming out of the lance may be adjusted on some lances by rotating the nozzle. This will vary the spray pattern from approximately a 0° narrow high impact stream to a 60° wide fan spray (Figure 2)

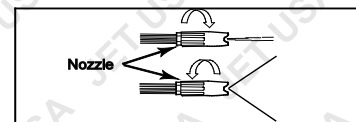


Figure 2 - Adjusting nozzle for fan pattern (not applicable on some nozzle)

A narrow stream has high impact force on the cleaning surface and results in maximum deep cleaning in a concentrated area. However, this narrow high impact spray must be used cautiously, as it may damage some surfaces (figure 3)

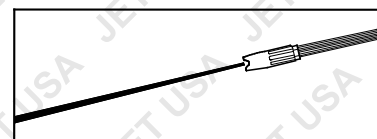


Figure 3 - Narrow high impact stream

A wide fan pattern will distribute the impact of the water over a larger area, resulting in excellent cleaning action with a reduced risk of surface damage. Large surface areas can be cleaned more quickly using a wide fan pattern (figure 4)

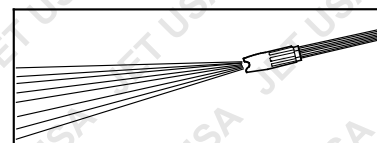


Figure 4 - Wide fan pattern.

Angle to the cleaning surface

When spraying water against a surface, maximum impact is generated when the water strikes the surface "head on." However, this type of impact tends to cause dirt particles to imbed in the surface, thereby preventing the desired cleaning action.

The optimum angle for spraying water against a cleaning surface is 45 degrees.

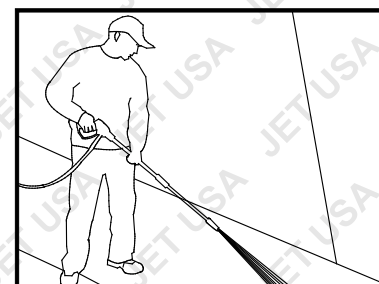


Figure 6-Optimum Angle to Cleaning Surface

Spraying water against a surface at this angle provides for the most beneficial impact force combined with efficient removal of debris from the surface.

Distance from cleaning surface

Another factor that determines the impact force of the water is the distance from the spray nozzle to the cleaning surface. The impact force of the water is increased as the nozzle is moved closer to the surface.

How to avoid damaging surfaces

Damage to cleaning surfaces occurs because the impact force of the water exceeds the durability of the surface. The impact force can be varied by controlling the three previously noted items. Never use a narrow high impact stream or a turbo/rotary nozzle on a surface that is susceptible to damage. Avoid spraying windows with a narrow high impact stream or turbo nozzle as this may cause breakage.

The recommended way to avoid damaging surfaces is as follows:

- Before triggering the gun, adjust the nozzle to a wide fan pattern.
- Place the nozzle approximately 4-5 feet from and 45 degrees to the cleaning surface, and trigger the gun.
- Vary the fan pattern spray angle and the distance to the cleaning surface until optimum cleaning efficiency is achieved without damaging the surface.

Turbo nozzle (NOT INCLUDED WITH ALL MODELS)

A turbo nozzle, sometimes referred to as a rotary nozzle, is a very effective tool that can significantly reduce cleaning time. The turbo nozzle combines the power of a narrow high impact stream and the efficiency of a 25 degree fan pattern. This swirls the narrow high impact stream into a cone shape that cleans a larger area.

⚠CAUTION: Since a turbo nozzle uses a narrow high impact stream, only use it in applications where the cleaning surface cannot be damaged by narrow high impact spray. Additionally, the turbo nozzle is NOT adjustable and cannot be used to apply detergent.

Detergents

The use of detergents can dramatically reduce cleaning time and assist in the removal of difficult stains. Some detergents have been customized for pressure washer use on specific cleaning tasks. These detergents are approximately as thick as water. The use of thicker detergents, such as dish soap, will clog the chemical injection system and prevent the application of the detergent. The cleaning power of detergents comes from applying them to a surface and giving the chemicals time to break down the dirt and grime. Detergents work best when applied at low pressure. The combination of chemical action and high pressure rinsing is very effective. On vertical surfaces, apply the detergent starting at the bottom and work your way upward. This will prevent the detergent from sliding down and causing streaks. High pressure rinsing should also progress from the bottom to top. On particularly tough stains, it may be necessary to use a brush in combination with detergents and high pressure rinsing.

The following cleaning procedure will help you to organize your cleaning task, and ensure that you achieve the most beneficial results in the shortest amount of time. Remember to use the spraying/cleaning techniques previously listed.

Surface preparation

Before starting a pressure wash cleaning job, it is important to prepare the surface that is to be cleaned. This is done by cleaning the area of furniture, and making sure that all windows and doors are closed tight. In addition, you should make sure that all plants and trees

adjacent to the cleaning area are protected by a drop cloth. This will ensure that your plants won't be sprayed by the detergents.

Initial High Pressure Rinse

The next step is to spray the cleaning surface with water to clear off any dirt or grime that may have collected on the surface. This will allow your detergent to attack the deep down dirt that has worked its way into the cleaning surface. Before triggering the gun, adjust the nozzle to a wide fan pattern and slowly adjust to the desired spray pattern. This will help you avoid applying too much concentrated spray to the surface which could cause damage.

Detergent Application

USE THE INSTRUCTIONS APPROPRIATE FOR MODEL PURCHASED

▲NOTE: Use only detergents formulated for pressure washes.

▲NOTE: Test detergent in an inconspicuous area before use.

For Units with Detergent Applicator Included
Follow manufacturer's label directions for mixing correct concentrations of detergent to water ratio through the pressure washer is approximately 5.4% (1 to 19).

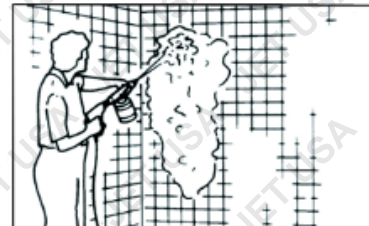


Figure 7 - Detergent application

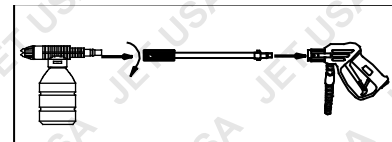


Figure 8 - Attach applicator to gun

1. Unscrew to top of detergent applicator and fill applicator with detergent.
2. Replace top on applicator.
3. Remove lance from gun.
4. Attach detergent applicator to gun. (See Figure 8)
5. Apply detergent so it thoroughly covers cleaning surface. Apply from bottom to top to prevent detergent from sliding down and streaking.
6. Allow detergent to remain on the surface for a few minutes. This is a good time to use a brush to lightly scrub heavily soiled areas. Never allow detergent to dry on the cleaning surface.
7. Remove detergent applicator from gun and replace with the lance, or remove applicator from end of lance.
8. Rinse detergent from surface.

▲NOTE: Flush detergent applicator with clear water following each use.

1. Final Rinse

Start final rinse at bottom and work upward. Make sure you thoroughly rinse the surface and that all detergent has been removed.

2. Shut down

1. Be sure all detergent is flushed from system.
2. Turn off motor.
3. Turn off water supply.
4. After motor and water supply are turned off, trigger gun to depressurize system.

▲CAUTION: NEVER turn water supply off before turning motor off. Serious damage could occur to the pump and/ or motor.

▲WARNING! NEVER disconnect high pressure discharge hose from machine while system is pressurized. To depressurize, turn motor off, turn water supply off and squeeze gun trigger times.

Storage

Do not store pressure washer outdoors or where it might freeze.

Tips for extending the life of your pressure washer;

- Never operate unit without water.
- Pressure washer is not meant to pump hot water. Never connect to hot water supply – this will significantly reduce life of the pump.
- Using detergent other than others brand may cause damage to pump components (O-rings, etc.). This also applies to chemicals such as bleach, dish soap, etc.
- Never operate unit for more than one (1) minute without spraying water. Resulting heat build-up will damage pump.
- Before adjusting nozzles pressure (high-to-low or low-to-high) release trigger. Failure to do so will reduce life of O-rings in lance.

Maintenance

Nozzle cleaning instructions

A clogged or partially clogged nozzle can cause a significant reduction of water coming out of the nozzle and cause the unit to pulsate while spraying.

To clean out the nozzle:

1. Turn off and unplug unit.
2. Turn off water supply. Relieve any pressure trapped in the hose by squeezing trigger 2-3 times.
3. Separate lance from gun.
4. Rotate nozzle to the narrow stream setting. This opens up the fan blades.
5. Using included tip cleaner, or an unfolded paper clip, insert wire into the nozzle hole and move back and forth until debris is dislodged. (See Figure 5.)
6. Remove additional debris by back-flushing water through the nozzle. To do this, place end of a garden hose (with water running) to end of nozzle for 30-60 seconds.

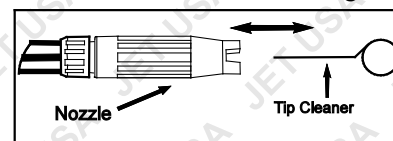




Figure 5- Insert tip cleaner in nozzle hole and move back and forth until debris is dislodged

Spare parts

Need Parts? If you require spare parts please visit <http://www.edisons.com.au>, look up your product and simply select the “Need Parts” button.

Can't find what you need? If you are unable to find the parts you need please contact us by email support@edisons.com.au and one of our professional customer service reps will be in touch with you as soon as they can or call us on (02) 8667 7874 Mon - Fri, 11am - 7pm AEST.

Disposal / Recycling

	Power tools that are no longer usable should not be disposed of with household waste but in an environmentally friendly way. Please recycle where facilities exist. Check with your local council authority for recycling advice.		Recycling packaging reduces the need for landfill and raw materials. Reuse of recycled material decreases pollution in the environment. Please recycle packaging where facilities exist. Check with your local council authority
---	---	---	--

Troubleshooting

Symptom	Possible cause(s)	Corrective Action(s)
No detergent suction – units with tanks	<ol style="list-style-type: none"> 1. Lance nozzle is not in low pressure. 2. High pressure extension hose is too long. 3. Injector clogged on pump. 	<ol style="list-style-type: none"> 1. Slide lance nozzle into low pressure position (see page 13) 2. Remove high pressure extension hose or use high pressure hose shorter than 25 feet. 3. Contact the distributor
No detergent suction – units with attachable applicators	<ol style="list-style-type: none"> 1. Detergent applicator is clogged 	<ol style="list-style-type: none"> 1. Clean applicator with warm water. 2. Replace the applicator.
Unit begins to smoke	<ol style="list-style-type: none"> 1. Overheated, overloaded or damaged motor. 	<ol style="list-style-type: none"> 1. Turn off and call the dealer.
Pressure washer does not start up	<ol style="list-style-type: none"> 1. Unit is pressurised. 2. Plug is not well connected or electrical socket is faulty. 3. Extension cord is too long or wire size too small. 4. Main voltage supply is too low. 5. Thermal safety switch has tripped. 	<ol style="list-style-type: none"> 1. Squeeze trigger on gun. 2. Check plug, socket and fuse. 3. Remove extension cord. 4. Check that main supply voltage age is adequate. 5. Switch off motor unit and allow motor to cook down.
Pump does not reach necessary pressure	<ol style="list-style-type: none"> 1. Water inlet filter is clogged 2. Pump is sucking air from hose connections 3. Nozzle is worn or not correct 4. Unloader is clogged or Worn 5. Valves is clogged or worn 	<ol style="list-style-type: none"> 1. Clean the water inlet filter. 2. Check that connections and locking ring are properly tightened. 3. Call the dealer. 4. Call the dealer. 5. Call the dealer.
Fluctuating Pressure	<ol style="list-style-type: none"> 1. Pump is sucking in air. 2. Clogged nozzle. 3. Valves dirty, worn or stuck. 4. Water Seals worn. 	<ol style="list-style-type: none"> 1. Check that the hoses and connections are tight. 2. Clean with tip cleaner(see page 8) 3. Call the dealer 4. Call the sealer
Motor stops suddenly	<ol style="list-style-type: none"> 1. Extension cord is too long or wire size too small. 2. Thermal safety switch has tripped due to overheating. 	<ol style="list-style-type: none"> 1. Remove extension cord (see page 4) 2. Check that main supply corresponds to specifications.

Warranty

Mills International Trading Pty Ltd offers a 12 month warranty on all products used for private household use from the date of purchase. In line with most major machinery brands, the use of products for commercial purposes qualifies the purchaser to a 3 month warranty period.

Naturally the warranty cover does not extend to damage caused by normal wear and tear, accidents, misuse, lack of maintenance, neglect, natural disaster, or other external causes; to damage caused by operating the equipment in a manner outside that described in the instructions. The warranty is considered void if the item has been modified, altered or tampered with by a person (or persons) not authorised by Mills International Trading Pty Ltd to provide service (not including standard periodic maintenance).

Consumable components (and accessories) such as carry bags, batteries, hoses, grinding discs, belts, cables, wheels, blades etc. are not covered by warranty. We do however stock many of these replacement parts for purchase.

Dead on Arrival -

Many of our items are technical in nature. While there is always a small chance of an item missing parts, being "dead on arrival" or working only for a short time, keep in mind that we cover all our items with a comprehensive warranty - simply get in touch with our customer service team and they can easily resolve any issue. In the rare case where this occurs, please keep in mind that photos will be required to be emailed to allow confirmation and resolution of the issue. Your item may also need to be returned and inspected prior to any resolution being provided. The outcome of the inspection should take no longer than 8 business days from the date the item is received by our service department (times may vary). Mills International Trading Pty Ltd may provide details allowing return of the item at no cost to the customer (check 'Returning Items' for more info).

General Repairs –

Until the nature of any fault is determined, the resolution Mills International Trading Pty Ltd can offer may vary. Please keep in mind that photos will be required to be emailed to allow confirmation and resolution of the issue. Where necessary, the item may need to be returned to determine fault/issue. Once the fault/issue is clarified, Mills International Trading Pty Ltd may fit replacement parts or offer replacement parts to the customer. Other alternatives may be offered to the satisfaction of both parties. While many spare parts are stocked in Australia, we may need to order certain parts from the supplier on your behalf. While specially ordered parts generally arrive within around 15 days, a small number of difficult to order parts may require up to 8 weeks to arrive.

In the above 2 instances, Mills International Trading Pty Ltd may not accept the warranty claim in cases where the buyer has contributed to the failure, or been misleading in their description of their issues. Where freight costs were incurred by Mills International Trading Pty Ltd to return your item for inspection, reimbursement to Mills International Trading Pty Ltd may be required prior to releasing the goods. The item is also to be returned to the buyer at the buyer's expense. Freight cost not to exceed original freight cost. Where item was purchased with free postage, freight costs are to be set at 20% of the item cost. Payment to be made to Mills International Trading Pty Ltd within 14 days of being notified of warranty rejection. Storage fees to apply beyond 7 days at 5% of the original product cost until the credit expires..








Where money is owed to Mills International Trading Pty Ltd for repairs and/or postage, Mills International Trading Pty Ltd is entitled to hold onto the item until payment is made.

****Ensure you read the Returning Items info below prior to returning any product****

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Description of symbols

To help recognise this information please observe the following symbols;

	Danger		Caution
	Warning		Note
	Electricity Risk		Machine not suitable for connection to the potable
	Double Insulated		

Electrical safety

⚠ WARNING! When using mains-powered equipment, basic safety precautions, including the following, should always be followed to reduce risk of fire, electric shock, personal injury and material damage.

The term "power tool" in all of the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

General power tool 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.

1. 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.

2. 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.

3. 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 injuries.
- Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.

- d) 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.
- e) Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- f) 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.
- g) 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.

4. Power tool use and care

- a) 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.
- b) Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c) 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.
- d) 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.
- e) 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.
- f) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) 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.

5. Service

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

Notice: Automatic ON/OFF

The motor on this pressure washer does not run continuously. It only runs when the trigger of the spray gun is squeezed. After following the startup procedures in this manual, turn the pressure washer ON and squeeze the trigger for activation. See "Operating Instruction" section in this manual for further details.

⚠ WARNING! The electrical supply connection shall be made by a qualified person and comply with IEC 60364-1. The electric supply to this machine 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.

⚠ WARNING! The operating method to be followed in the event of accident (e.g. contact with detergents: rinse with an abundance of clean water) or breakdown to prevent unsafe situations.

⚠ WARNING! The motor of this pressure washer will NOT run unless the trigger is squeezed.

Portable washer safety warnings

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.

⚠ WARNING! This product is not intended for pumping water in a home domestic application. Do not use it for corrosive, abrasive, explosive or dangerous liquids. Fluids other than water will damage the water pump and/or create a fire hazard.

⚠ WARNING! High pressure jets can be dangerous if subject to misuse. The jet must not be directed at persons, live electrical equipment or the appliance itself.



⚠ WARNING! Do not use the appliance within range of persons unless they wear protective clothing.

Disconnect from the power supply before carrying out user maintenance. High pressure cleaners shall not be used by children or untrained personnel.

To ensure appliance safety, use only original spare parts from the manufacturer or approved by the manufacturer.

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


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

⚠ WARNING! This appliance must be attended during operation.

Australian Distributor

Mills International Trading

 2/5 Stanton Road Seven Hills NSW 2111

 (02) 8667 7874 Mon - Fri, 11am - 7pm AEST

 Email: support@agrmachinery.com.au



Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see www.datastreamserver.com/safety

- Consult all documentation, packaging and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business or employee, or financially affect the user, business or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.



©2014 Jet USA. All rights reserved. No part of this document, including descriptive content, concepts, ideas, diagrams or images may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, scanning or recording, or any information storage and retrieval system, without express permission or consent from the publisher.