

Thank you for purchasing a Sealey product. Manufactured to a high standard this product will, if used according to these instructions and properly maintained, give you years of trouble free performance.

⚠ IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.

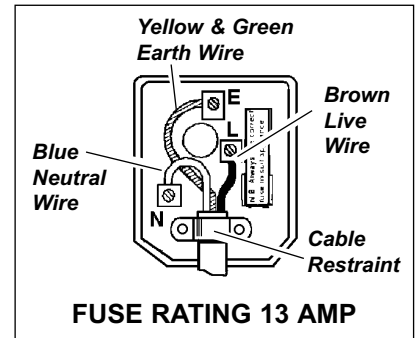
1. SAFETY INSTRUCTIONS

1.1. ELECTRICAL SAFETY

WARNING! It is the responsibility of the owner and the operator to read, understand and comply with the following:
 You must check all electrical products, before use, to ensure that they are safe. You must inspect power cables, plugs, sockets and any other connectors for wear or damage. You must ensure that the risk of electric shock is minimised by the installation of appropriate safety devices. A Residual Current Breaker (RCCB) should be incorporated in the main distribution board. We also recommend that a Residual Current Device (RCD) is used. It is particularly important to use an RCD with portable products that are plugged into a supply which is not protected by an RCCB. If in any doubt consult a qualified electrician. You may obtain a Residual Current Device by contacting your Sealey dealer. **You must** also read and understand the following instructions concerning electrical safety.

- 1.1.1. The **Electricity at Work Act 1989** requires all portable electrical appliances, if used on business premises, to be tested by a qualified electrician, using a Portable Appliance Tester (PAT), at least once a year.
- 1.1.2. The **Health & Safety at Work Act 1974** makes owners of electrical appliances responsible for the safe condition of those appliances and the safety of the appliance operators. **If in any doubt about electrical safety, contact a qualified electrician.**
- 1.1.3. Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply. See 1.1.1. and 1.1.2. and use a Portable Appliance Tester.
- 1.1.4. Ensure that cables are always protected against short circuit and overload.
- 1.1.5. Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure that none is loose.
- 1.1.6. **Important:** Ensure that the voltage marked on the appliance matches the power supply to be used and that the plug is fitted with the correct fuse - see fuse rating at right.
- 1.1.7. **DO NOT** pull or carry the appliance by the power cable.
- 1.1.8. **DO NOT** pull the plug from the socket by the cable.
- 1.1.9. **DO NOT** use worn or damaged cables, plugs or connectors. Immediately have any faulty item repaired or replaced by a qualified electrician. When an ASTA/BS approved UK 3 pin plug is damaged, cut the cable just above the plug and **dispose of the plug safely**. Fit a new plug according to the following instructions (UK only).
 - a) Connect the **GREEN/YELLOW** earth wire to the earth terminal 'E'.
 - b) Connect the **BROWN** live wire to the live terminal 'L'.
 - c) Connect the **BLUE** neutral wire to the neutral terminal 'N'.
 - d) **After wiring, check that there are no bare wires, that all wires have been correctly connected, that the cable outer insulation extends beyond the cable restraint and that the restraint is tight.**

Double insulated products, which are always marked with this symbol , are fitted with live (brown) and neutral (blue) wires only. To rewire, connect the wires as indicated above - **DO NOT** connect either wire to the earth terminal.
- 1.1.10. Products which require more than 13 amps are supplied without a plug. In this case you must contact a qualified electrician to ensure that a suitably rated supply is available. We recommend that you discuss the installation of an industrial round pin plug and socket with your electrician.
- 1.1.11. If an extension reel is used it should be fully unwound before connection. A reel with an RCD fitted is preferred since any appliance plugged into it will be protected. The cable core section is important and should be at least 1.5mm², but to be absolutely sure that the capacity of the reel is suitable for this product and for others which may be used in the other output sockets, we recommend the use of 2.5mm² section cable.



1.2. GENERAL SAFETY

- WARNING!** *Water and Electricity are dangerous partners. Be extremely cautious and always be aware that this device uses an electric motor. Always plug into a RCD (See electrical safety above). Unplug from mains before changing accessories or servicing.*
- WARNING!** *DO NOT USE the washer if any part of the unit, gun, nozzle, detergent bottle, hose or cables is damaged. Replace or repair using genuine parts only. Non-authorized parts may be dangerous and will invalidate your warranty. Always check connections are correctly secured and not cracked or damaged in any way before using the machine.*
- WARNING!** *Use washer on a flat, levelled surface, in a horizontal position. Failure to do so will invalidate your warranty. NEVER stand the washer on end during use.*
- ✓ Ensure you comply with all local water supply regulations. Power washers may only be connected to mains drinking water supply if a back flow preventer valve is installed in the supply hose, or at the tap outlet.
- ✓ The supply hose must be reinforced, and have an internal diameter of 1/2". The water supply must be at least equal to the cleaner capacity. The water temperature must NOT exceed 122°F (50°C). The water supply pressure must NOT exceed 145psi (10 bar).
- ✓ Always be aware of the potential hazards that may occur during use. Study all applications and limitations of the washer before use.
- ✓ Use where air can freely circulate around the washer to avoid the machine over heating.
- ✓ Keep the washer in good condition. Use authorised service agent to service the unit.
- ✓ Wear adequate protective clothing, goggles and anti-slip rubber soled footwear.
- ✓ Position the washer as near to the water supply as possible.
- WARNING!** *Ensure all persons and animals keep at a minimum distance of 16 yards (15m) from the nozzle when in use.*
- WARNING!** *The pressure washer must only be used with clean water. Unfiltered water or corrosive chemicals must not be used as these will damage the cleaner.*



- ✓ Ensure that the nozzle is aimed correctly at the working surface before switching on the machine.
- ✓ Before operating the trigger, Grip the gun firmly to counteract the recoil from the high pressure water jet.
- ☐ **WARNING!** Avoid sudden bursts of water as these will cause water pressure to drop and put extreme pressure on hoses and connectors.
- ✓ If, during operation, power failure occurs turn the electricity and water off for safety reasons (see Note 'd' at end of Section 4).
- ☐ **WARNING!** The high pressure jet will cause loose particles to be propelled at high speed, which may cause serious injury.
- ☐ **WARNING!** DO NOT use the machine without a water supply. Dry running can seriously damage the unit.
- ☐ **WARNING!** Model PC2100 - DO NOT leave motor running for more than 1-2 minutes without operating the trigger, as temperature/pressure increases may damage the sealing system. Note: PC2100PLUS may be left switched on for up to 15 minutes without operating the trigger.
- ☐ **WARNING!** Model PC2100PLUS - DO NOT leave the washer switched on for more than 15 minutes without operating the trigger.
- x DO NOT obstruct ventilation grills during operation.
- x DO NOT stand the washer on end during use. The washer must only be used when horizontal.
- x DO NOT use the washer with flammable or toxic liquids or any other product. Only use recommended detergent. Unapproved detergents may corrode the machine cover and accessories.
- x DO NOT jam the trigger in the operating position.
- x DO NOT adjust any internal control valves, as these have been set at the factory.
- x DO NOT leave the washer running unattended.
- x DO NOT connect other appliances to the machine inlet or outlet.
- x DO NOT use in damp or wet weather conditions.
- x DO NOT move the unit by pulling the hoses or electrical cables. Use handle (or trolley on PC2100PLUS).
- x DO NOT touch plug with wet hands. To minimize the risk of electrocution keep all connections dry and off the ground.
- x DO NOT direct the water jet against yourself, other persons or animals, electrical equipment or the machine itself.
- x DO NOT use the washer if you are tired or under the influence of alcohol, drugs or intoxicating medication.
- x DO NOT allow children or untrained persons to operate the washer.
- ☐ **WARNING!** Discharge residual pressure before disconnecting the washer hose. Pressure left in unit may cause injury.
- ✓ After use disconnect washer from electrical mains and water supply and store in a safe, dry, childproof area.



2. SPECIFICATION & CONTENT

2.1. SPECIFICATION

Lance Rotating Nozzle Manifold Pressure 1420psi Effective Cleaning Power 2100psi Water Flow 400l/h Motor Power 1300W	Input Voltage 230V Motor Speed 2800rpm Max. Inlet Temp 50°C Hose Length 4.0m Weight 11kg
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By rotating the stream of water at high speed, it is possible to increase the effective cleaning pressure of washer. We quote the pressure the water leaves the pump as 'Manifold Pressure' and express cleaning power of washer as the 'Effective Cleaning Power'.

2.2. CONTENTS

Unpack the product and check contents against the list below. Also check that the machine has an identification plate or label. If label or parts are damaged or missing contact your supplier immediately.

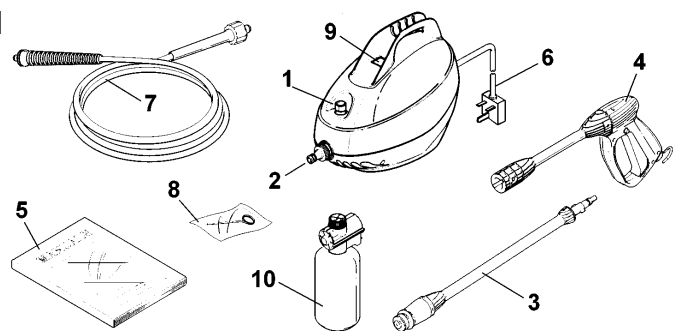
PC2100 & PC2100PLUS

- 1 Water outlet
- 2 Water inlet with filter
- 3 Rotary lance
- 4 Gun with safety catch
- 5 Instruction manual
- 6 Power cord with plug
- 7 High pressure hose (attached to gun)
- 8 Nozzle cleaning tool
- 9 Motor ON/OFF switch
- 10 Detergent bottle with flow control

PC2100PLUS Only

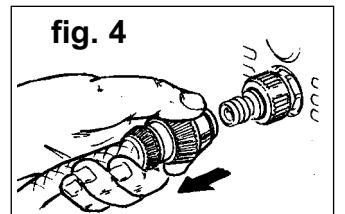
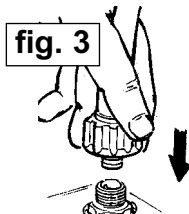
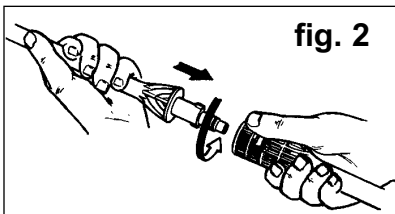
- Trolley (not shown)
Brush (not shown)

fig. 1



3. SET-UP

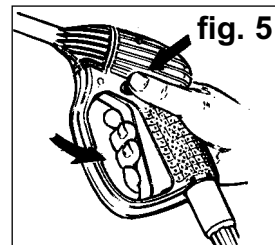
- ☐ **WARNING!** Ensure pressure washer is switched off and unplugged from the mains electrical power supply before proceeding.
- 3.1. To connect lance (fig. 1 item 3) or brush to the gun (4) push into the end of the gun and twist to lock, as in fig. 2.
 - 3.2. Connect the other end of high pressure hose to the water outlet (1) on the washer (fig 3).
 - 3.3. Connect the mains water supply hose (not supplied) to the water inlet (2) on the pressure washer (fig. 4). DO NOT turn the water on at this stage. The supply hose must be reinforced, and have an internal diameter of 1/2". The water supply must be at least equal to the washer capacity. The water temperature must NOT exceed 122°F (50°C). The water supply pressure must NOT exceed 145psi (10 bar).
 - ☐ **WARNING! REMINDER:** The pressure washer must only be used with clean water. Unfiltered water or corrosive chemicals must not be used as these will damage the washer.
 - 3.4. Check the power ON/OFF switch and ensure that it is in the 'OFF' position.
 - 3.5. Having carefully followed the safety instructions in Section 1, plug the washer into the mains power supply. The washer is now ready for use as described in Section 4.



4. OPERATION

- WARNING!** Ensure you read, understand and apply Section 1 safety instructions.
- WARNING!** Dry running can seriously damage the unit.
- WARNING!** PC2100 - DO NOT leave motor running for more than 1-2 minutes without operating the trigger, as temperature/pressure increase may damage the sealing system.

Note: PC2100PLUS - May be left switched on for up to 15 minutes without operating the trigger.



4.1. PRIMARY CHECKS

Ensure water intake is correctly connected, and air can freely circulate around the washer. Check the inlet filter is clean; pump delivery and pressure will be reduced if blocked. Never use the machine without a filter (see Section 5). **The washer must be in a horizontal position - DO NOT stand the washer on end when in use.**

4.2. TURNING THE WASHER ON

- 4.2.1. Turn the mains water supply fully on.
- 4.2.2. Disengage the safety catch (fig. 5), and press the trigger for a few seconds to allow air to escape and to discharge residual pressure in the pipes.
- 4.2.3. Whilst keeping the trigger pressed, start the motor by pressing the power switch to 'ON'.

WARNING! Aim nozzle correctly at working surface.

IMPORTANT: Always ensure the trigger is pressed when starting or restarting the motor.

4.2.4. Check the system to ensure there are no water leaks.

4.3. DETERGENT

- 4.3.1. Fill the detergent bottle (approx 0.5l) with the recommended pressure washer detergent.
- 4.3.2. Fit the detergent bottle to the spray head ensuring that it clips into place (fig. 6).

4.4. TO USE THE WASHER

Dirt is dissolved by applying detergent to the dry surface. Grip the gun firmly to counteract the recoil of the water jet and aim at the working surface.

- 4.4.1. On vertical surfaces, work from the bottom upwards.
The amount of detergent is controlled by turning the regulator on top of bottle (fig. 6.B).
- 4.4.2. Leave the detergent to act for 1 - 2 minutes, but DO NOT allow the surface to dry out.
- 4.4.3. To wash down, remove the detergent bottle from the nozzle by pressing the locking catch (fig. 6.A) down and pulling the nozzle out.
- 4.4.4. The rotary lance (fig. 7) gives a high torque cleaning effect on larger areas (ideal for vehicle washing and removing grime from patio surfaces). Apply the high pressure jet keeping the end of the nozzle approximately 25cm (10") from the surface.

4.5. WHEN WASHING IS COMPLETED

- 4.5.1. Switch the motor off (do not unplug from mains at this stage), and turn off the mains water supply.
- 4.5.2. Switch the motor back on to discharge residual pressure by pressing the trigger until no more water comes out of the nozzle.
- 4.5.3. Switch the motor off, engage the trigger safety catch and unplug the machine from the electrical mains power supply.
- 4.5.4. Wipe the machine clean and dry and store in a clean, safe, dry, childproof location.

- NOTE:**
- a) PC2100 - DO NOT leave motor running for more than 1-2 minutes without operating trigger, as pressure build-up may damage the seals. Switch the motor off, but you may leave the water mains turned on.
 - b) Allow at least 5 seconds between releasing the gun trigger and pressing it again.
 - c) If the water pressure drops (i.e. someone using same water supply), the washer will not operate correctly. Immediately switch the motor off and wait until the pressure is restored.
 - d) Should the motor stop and fail to restart, the built in thermal cut-out may have tripped. Check to ensure that the washer is connected correctly to electrical and water supplies (also see Troubleshooting). Wait 5 minutes for the cut-out to reset and re-start the motor. If the motor continues to cut out contact your authorised service agent.
 - e) If storing the washer for a long period during winter, operate the washer with a non-corrosive, non-toxic anti-freeze before storage. Store detergents according to instructions on the container label.

fig. 6

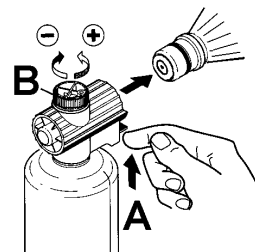
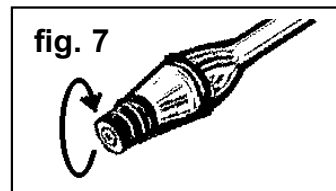


fig. 7

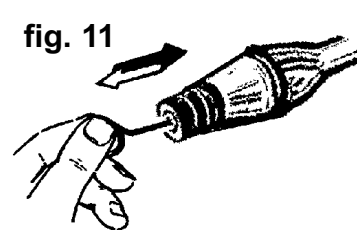
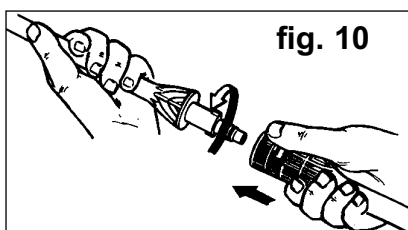
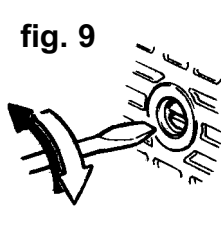
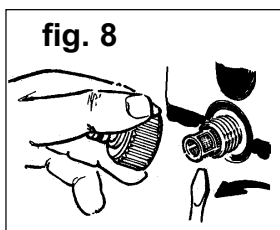


5. MAINTENANCE

- WARNING!** Ensure the pressure washer is switched off and unplugged from the mains electrical power supply and turned off at the mains water tap before proceeding.

- 5.1. Keep the washer clean at all times.
- 5.2. Check and clean suction filter (fig. 8) after every 50 hours of use.
- 5.3. Lime scale deposits may form during long periods of disuse and cause the motor to seize. To release it insert a screw-driver into the slot on the rear of the motor and rotate by hand (fig. 9). Remove the screw-driver and start the motor as normal.
- 5.4. Take the nozzle cleaning tool (fig. 1.8), detach the lance from the gun (fig. 10) and remove any dirt from nozzle (fig. 11), then rinse.
- 5.5. Check unit, gun, nozzle, detergent bottle, hose, connections and cables for damage. Immediately replace or repair with genuine parts.

DO NOT open the casing, use authorised agent to service the washer.



6. TROUBLESHOOTING GUIDE

SYMPTOM	REASON(S)	REMEDY
Pump does not reach required pressure	Nozzle incorrect or worn Dirty filter Air being sucked into the system Water pressure low Worn piston packing Valves dirty, worn or stuck	Replace the nozzle. Clean or replace filter. Check that hoses and fittings are air tight. Check that hoses/fittings are water tight and tap is fully open. Contact Authorised Service Agent. Contact Authorised Service Agent.
Pressure drops during use	Valves dirty or worn Nozzle worn or blocked Unloader valve packing worn Worn piston packing Dirty filter Water too hot	Contact Authorised Service Agent Replace the nozzle. Contact Authorised Service Agent. Contact Authorised Service Agent. Clean or replace. Reduce temperature.
Pump noisy	Pump sucking air Valves dirty or worn Worn bearings Water too hot Dirty filter	Check that hoses and fittings are air tight. Contact Authorised Service Agent. Contact Authorised Service Agent. Reduce temperature. Clean or replace.
Presence of water in oil	High humidity in air Piston packing and oil seal worn	Check and replace oil twice as often. Contact Authorised Service Agent.
Oil leaks	Oil seals worn	Contact Authorised Service Agent.
Motor does not start when switched on	Plug not connected No electrical power	Check plug connections and mains power supply is active.
Motor hums but does not start when switched on	Unsuitable mains voltage Motor/pump stuck Pump frozen Incorrect extension cable	Check for adequate power supply and cable condition. Check by turning motor manually (see Section 5). If jammed return to your Sealey dealer. Leave unit to thaw naturally. The pressure washer should be protected from the threat of freezing. Extensive pump damage could otherwise occur (see end of Section 4). Use a suitable extension cable. See Section 1 Elect. Safety.
Water dripping from pump	Piston packings worn Piston guide O-ring worn	Contact Authorised Service Agent. Contact Authorised Service Agent.
The motor stops	Tripped thermal overload due to overheating	Check that the mains voltage matches the specifications. Switch off the motor and let machine cool for 5 minutes.
Fluctuating pressure	Valves worn, dirty or stuck Pump sucking air Worn piston packing Dirty filter	Contact Authorised Service Agent. Check that hoses and fittings are air tight. Contact Authorised Service Agent. Check and clean.

7. DECLARATION OF CONFORMITY

Declaration of Conformity We, the sole importer into the UK of Sealey Power Products, declare that the products listed below are in conformity with the following standards and directives.

Pressure Washers
Models PC2100.V2 & PC2100PLUS

73/23/EEC Low Voltage Directive
89/336/EEC EMC Directive



The construction files for these products are held by the Manufacturer and may be inspected, by a national authority, upon request to Jack Sealey Ltd.

Signed by Mark Sweetman

24th February 2003

For Jack Sealey Ltd. Sole importer into the UK of Sealey Power Products.

NOTE: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

IMPORTANT: No responsibility is accepted for incorrect use of this equipment.

WARRANTY: Guarantee is 12 months from purchase, proof of which will be required for any claim.

INFORMATION: For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.



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