

INSTRUCTIONS FOR:

PRESSURE WASHER

Models: **PC3150 & PC3450**

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 AND/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 Circuit 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 30 amp 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. Unauthorised 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 an upright position. Failure to do so will invalidate your warranty. NEVER lay the washer down 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 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 overheating.

✓ Keep the washer in good condition. Use an authorised service agent to service the unit.

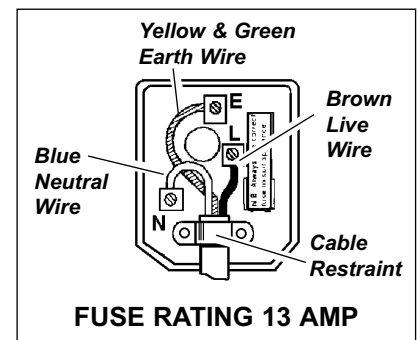
✓ Wear adequate protective clothing, goggles and anti-slip rubber soled footwear.

✓ 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 washer 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 the nozzle is aimed correctly at the work surface before switching on the machine.



- ✓ Before activating 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 'c' 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 operate the machine without a water supply. Dry running can seriously damage the unit.
- ☐ **WARNING!** 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 use the washer with flammable or toxic liquids or any other product. Use only 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 they have been factory set.
- 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 the handle.
- x DO NOT touch plug with wet hands. To avoid the risk of electrocution keep all connections dry and off the ground.
- x DO NOT direct jet against yourself, other persons, animals, electrical equipment or the machine itself.
- x DO NOT use 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. SPECIFICATIONS & CONTENT

By rotating the stream of water at high speed, it is possible to increase the effective cleaning pressure of washer. We quote the pressure at which the water leaves the pump as 'Manifold Pressure' and express the cleaning power of the washer as the 'Effective Cleaning Pressure'.

2.1. SPECIFICATIONS

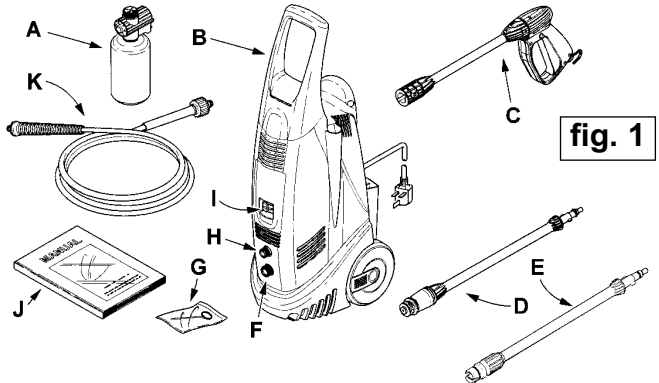
	PC3150	PC3450	PC3150	PC3450
Lance 1	Rotating Nozzle	Rotating Nozzle	Input Voltage/Current	230V/7.8A
Lance 2	Fixed Nozzle	Fixed Nozzle	Motor Speed	2800rpm
Manifold Pressure	1850psi	2000psi	Max. Inlet Temp.	50°C
Effective Cleaning Pressure	3150psi	3450psi	Hose Length	5.5mtr
Water Flow	.430ltr/hr	.440ltr/hr	Weight	17kg
Motor Power	.1800W	.2300W		

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.

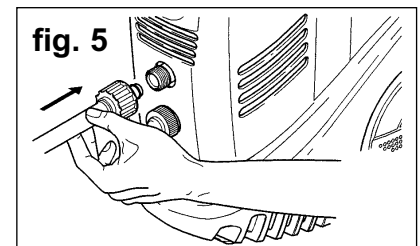
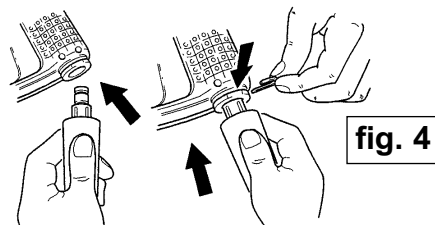
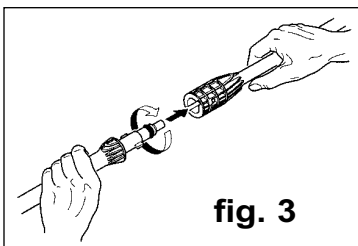
DESCRIPTION OF ITEMS

- | | | | |
|---|------------------------------------|---|--------------------|
| A | Detergent bottle with flow control | H | Water outlet |
| B | Handle | I | Motor switch |
| C | Gun with safety catch | J | Instruction manual |
| D | Rotary lance | K | High pressure hose |
| E | Fixed lance | | |
| F | Water inlet with filter | | |
| G | Nozzle cleaning tool | | |



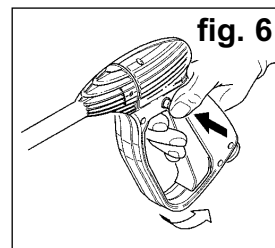
3. SET-UP

- ☐ **WARNING!** Ensure that the pressure washer is switched off and unplugged from the mains power supply before proceeding.
- 3.1. Slot handle, fig. 1.B, into body of washer, as shown in fig. 2.
- 3.2. To connect lance D or E to the gun C, push the lance into the end of the gun and twist to lock as in fig. 3.
- 3.3. Connect the high pressure hose K to the gun C and lock in place, as shown in fig. 4.
- 3.4. Connect the high pressure hose K to the washer outlet H, as shown in fig. 5.
- 3.5. Connect the mains water supply hose (not supplied) to the water inlet F on the pressure washer. DO NOT turn on the water 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 output. 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.
- 3.6. Check that the motor switch I is in the 'Off' position.
- 3.7. 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. OPERATING THE WASHER

- WARNING!** Ensure you read, understand and apply Section 1 safety instructions.
- WARNING!** Dry running can seriously damage the unit.
- WARNING!** DO NOT leave washer switched on for more than 15 minutes without operating trigger.



Important! The washer motor will stop as soon as the gun trigger is released and will restart when the trigger is squeezed. Always allow at least 5 seconds between releasing the trigger and restarting.

4.1. PRIMARY CHECKS

Check that the inlet filter is clean; pump delivery and pressure will be reduced if blocked. Never use the machine without a filter (see Section 5).

Ensure that the water supply is correctly connected, and air can freely circulate around the washer.

4.2. TURNING ON THE WASHER

4.2.1. Turn the mains water supply fully on.

4.2.2. Disengage the safety catch, fig. 6, and press the trigger for a few seconds to allow air to escape and to discharge any residual pressure in the pipes.

4.2.3. Whilst keeping the trigger pressed, start the motor by pressing the motor switch to 'On'.

WARNING! Aim nozzle correctly at work surface.

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

4.2.4. Check the system to ensure that 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 head of the fixed lance (fig. 1.E) ensuring it clips into place, fig. 7.

4.3.3. The washer is now ready for use. Detergent concentration can be adjusted using knob on top of detergent bottle, fig. 7.A.

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.

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. 7.B, and pulling the nozzle out.

4.4.4. The rotary lance, fig. 8, 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) DO NOT leave motor switched on for more than 15 minutes without operating trigger.

b) If the water pressure drops (i.e. someone else using the same water supply), the washer will not operate correctly. Immediately switch off the motor and wait until the pressure is restored.

c) 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 Section 6 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.

d) 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. 7

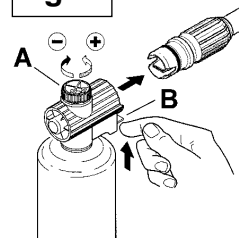
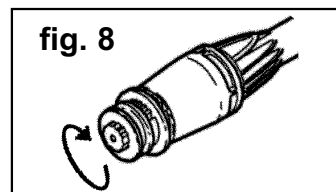


fig. 8



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.

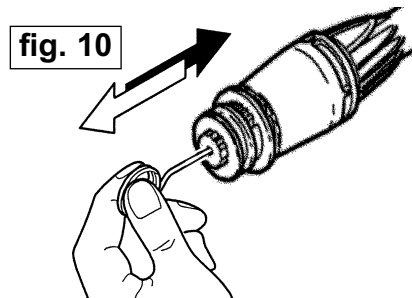
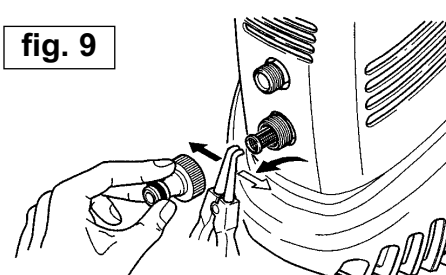
5.1. Keep the washer clean at all times.

5.2. Check and clean suction filter, fig. 9, and **detergent filter** (at the end of the detergent pick-up pipe) after every 50 hours of use.

5.3. Take the nozzle cleaning tool, fig. 1.F, detach the lance from the gun and remove any dirt from nozzle, fig. 10, then rinse.

5.4. 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 seals	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.
Fluctuating pressure	Nozzle worn or blocked Water too hot Pump sucking air	Replace the nozzle. Reduce temperature. Check that hoses and fittings are air tight.
Pump noisy	Water too hot	Reduce temperature.
Water or oil leaks	Seals worn	Contact Authorised Service Agent.
Motor does not start when switched on	No electrical power Automatic cut-off system fault	Check plug connections and mains power supply is active. Contact Authorised Service Agent.
Motor hums but does not start when switched on	Unsuitable mains voltage Motor/pump jammed Pump frozen Incorrect extension cable	Check for adequate power supply and cable condition. Contact Authorised Service Agent. 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.
The motor stops	Tripped thermal cut-out due to overheating	Check that the mains voltage matches the specifications. Switch off the motor and let machine cool for 5 minutes.

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 Washer
Models PC3150 & PC3450

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

12th March 2002

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.



Sole U.K. Distributor, Sealey Group,
Bury St. Edmunds, Suffolk.

01284 757500

01284 703534

E-mail: sales@sealey.co.uk