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Hot and cold, electric and engine driven - we have what you need.

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Submersible, electric and engine driven for DIY, agriculture and industry.

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Angle grinders, cordless drill sets, saws and sanders.

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All sizes for car & commercial use.



Clarke INTERNATIONAL

For spare parts and servicing, please contact your nearest dealer, or Clarke International on

020 - 8988 - 7400

e-mail: Parts@clarkeinternational.com e-mail: Service@clarkeinternational.com

ClarkeTM

POWER WASHER



JETSTAR 1700 POWERWASHER

CE

Part No. 7333055

0401

OPERATING & MAINTENANCE INSTRUCTIONS

©

DECLARATION OF CONFORMITY

We declare that this product complies with the following standards/directives:

- 73/23 EEC
- 98/37 EEC
- 89/336 EEC
- 93/68 EEC
- EN60 335-1
- EN292 2

See data plate for serial/batch number

signed



SPECIFICATIONS

Jetstar 1700	
Motor	230V 50Hz 1Ph
Power Rating	1,3kW
Max. Pressure	100Bar (1500psi)
Max. Water Flow	6 Litre/min
Max. Inlet Water Temp.	40°C
Detergent Tank Capacity	0.5L
Gross Weight	11kg
Dimensions	370x190x290mm
Noise Level (at 1M)	73dB(A)
Part Number	7333055

TROUBLESHOOTING

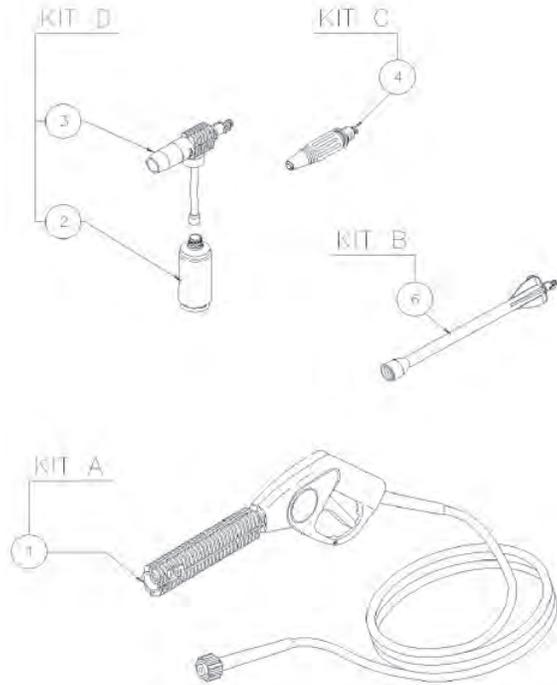
Fault	Cause	Remedy
Pressure Drops or Oscillates	Lack of Water Water Filter blocked	Check the water tap is fully ON Clean water filter
Motor hums when switched ON but fails to start	Mains voltage low Gun not activated Power lead extension cable too small	Check electrical connections On switching ON the machine, operate the gun Use an extension with conductors of sufficient cross section. (See Electrical Connections)
Machine fails to start, no sound from motor	Plug not connected correctly Incorrect power voltage Mains fuse blown or RCD tripped	Check plug and lead and repair/replace accordingly. Check the plug, cable and switch. Renew fuse or reset RCD
Motor stops	Thermal Overload has intervened	Check to ensure the power voltage is correct, wait for 5 minutes before trying to start again. (See Thermal Overload)
No detergent delivered	Injector clogged Container empty	Clean the spray gun nozzle Fill container
Irregular jet produced	Dirty high pressure nozzle in spray gun	Clean high pressure nozzle

ACCESSORIES

The range of accessories listed below may be purchased from your CLARKE dealer.

Item	Part No.
DIY Car Brush	7310020
Water Sandblaster	7310106
Drain Cleaner	7310117
Turbo Nozzle	7334000
Extension Hose 10M	7310120
5 Litres Detergent (Traffic Film Remover)	3050821
25 Litres Detergent (Traffic Film Remover)	3050820
5 Litres Wash 'n' Wax	3050815
Sand (For use with Sand blaster)	7320005

LANCE & ACCESSORIES



SPARE PARTS LIST

No.	Description	Part No.	No.	Description	Part No.
1	Hose Fitting Kit	KTR182976	KG	Crankcase Kit	KTR182767
2	Suction Filter Kit	KTR182975	KH	Cable Kit	KTR184113
3	Screw Kit	KTR182973	KI	Red Cover Kit	KTR184114
5	O-ring Kit	KTR182974	KL	Roller Bear Kit	KTR182770
45	O-ring Kit 594	KTR182977	KM	Control Board Kit	KTR184115
73	Clamp Kit 599	KTR182982	KN	Motor Kit	KTR184116
91	Washer Kit 604	KTR182987	KO	Impeller Kit	KTR184117
KA	Manifold Kit	KTR184110	LANCE & ACCESSORIES		
KB	Packing Retain.kit	KTR182762	KA	Gun Kit	KTR184124
KC	Head Kit	KTR184111	KB	Extension Kit	KTR183571
KD	Intake Connect.kit	KTR184112	KG	Head Kit	KTR184125
KE	Small Valve Kit	KTR182765	KD	Foam Device	KTR183573
KF	Small Valve Kit	KTR182766			

Thank you for purchasing this CLARKE Jetstar 1700 Powerwasher.

This machine is a lightweight, portable, high pressure power washer, designed for DIY use only.

It comprises an electric motor, a pump, a high pressure hose with a trigger and lance, and a foam lance for injecting cleaning agents into the water jet, ideal for cleaning greasy engines and equipment, removing oil spots from patios etc.

Before attempting to use your Jetstar 1700, please read this instruction manual thoroughly and follow all instructions carefully. By doing so you will ensure the safety of yourself and that of others around you, and you can look forward to it giving you long and satisfactory service.

GUARANTEE

This CLARKE product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt as proof of purchase. This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for the purpose for which it was intended.

Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission. This guarantee does not effect your statutory rights.

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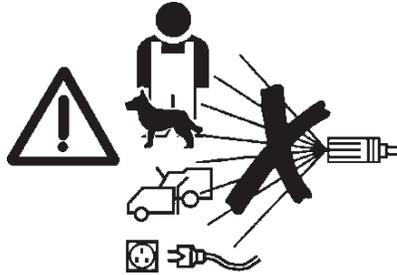
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SAFETY PRECAUTIONS

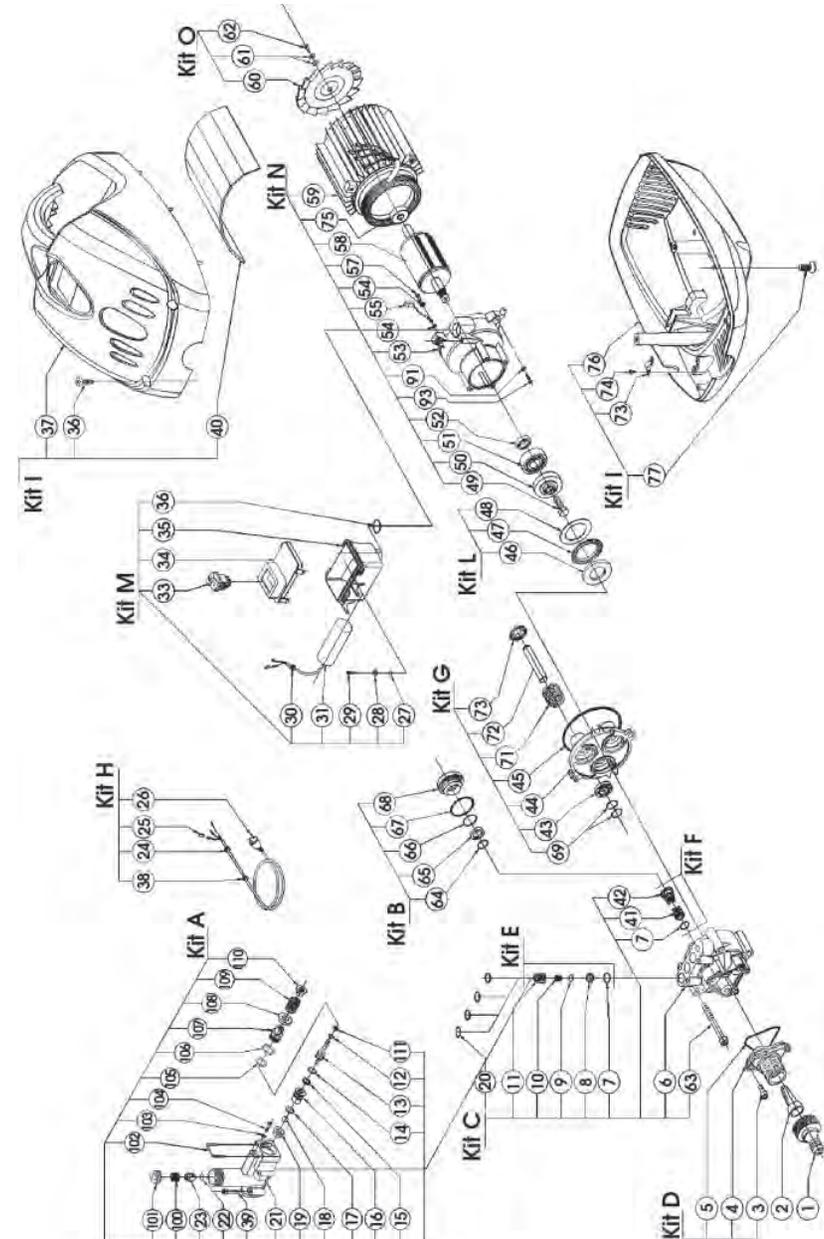
WARNING!

Water at high pressure can be dangerous and may cause severe damage to persons or property if subject to misuse.
NEVER allow anyone to operate this equipment unless they are thoroughly reliable, and completely familiar with the safety precautions.

1. Never direct the spray jet at any person or animal.
2. Never hold a finger over the high pressure nozzle.
3. Never direct the spray jet at the machine itself or any other electrical equipment.
4. After use, and before disconnecting hoses, release the pressure in the high pressure hose by operating the trigger. Do not attempt to disconnect any hose or coupling with pressure still in the hose.
5. Never operate the machine with any of the covers removed.
6. Do not, attempt any electrical or mechanical repair. If you have a problem with your machine contact your local dealer or Clarke Customer Services Dept., tel: 020 8988 7400
7. Never supply any liquid other than **CLEAN** water to the water inlet.
8. Use only chemical cleaning agents (detergents) approved for power washing when using the foam lance.
9. Never use the foam lance to introduce solvents eg. paint thinners, petrol, oil, etc.
10. Do not operate the machine whilst standing on ladders: use a platform tower or scaffolding.
11. Children should not be allowed to use the machine.
12. We recommend the use of safety goggles when using machine with sand blasting attachment (optional accessory - see Page 14), or any application where loose particles of stone or grit etc. may be blown around by the high pressure spray.



SPARE PARTS DIAGRAM



ACCESSORIES

Your power washer can be used with a wide range of optional accessories available from your local dealer (see page 15 for a full list).

CARE AND MAINTENANCE

WARNING:

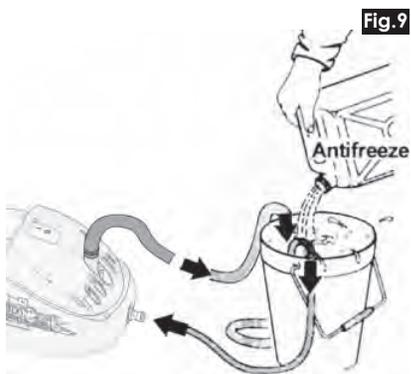
Ensure the plug is removed from the socket before carrying out any adjustment, servicing or maintenance.

After each use

If cleaning agents have been used, thoroughly clean the detergent lance and bottle with clean water.

Storage

If there is a danger of freezing, insert the inlet and outlet hoses into a bucket of antifreeze as shown in Fig.9. Start the machine and allow the antifreeze to circulate. After a short time, stop the machine and store with the antifreeze still within the pump body.



NOTE:

If you experience difficulty in starting the motor following a long period of storage, it is possible that the seals within the pump have dried out and are gripping the pistons. This problem may be alleviated by storing the machine with antifreeze within the pump body, as described above. If the seals are stuck however, contact your Clarke dealer for advice.

Water input filter

Located behind the water inlet, this filter should be removed for cleaning after every 10 hours of use (or less if water is contaminated).

Remove the filter by unscrewing the input hose connection and withdrawing the filter element.

Clean the element with fresh water. To replace, reverse the above procedure ensuring that all seals are in place.

13. When not in use, disconnect from the water and electrical supply's, and ensure the system is completely drained. Store in a dry, frost free environment.
14. Disconnect from the mains supply before carrying out any maintenance or servicing.
15. Never carry the washer by the power cable, or yank it to disconnect from the socket.
16. Keep the cable away from heat, oil or sharp edges.
17. Keep all connections dry. Do not touch the plug with wet hands.
18. Do not allow the high pressure hose to become crushed, stretched, kinked or twisted.
19. Do not pull the washer by the high pressure hose.
20. ALWAYS operate the machine in an upright position and as far away from the spray site as possible.
21. ALWAYS connect the machine to the power supply through a Residual Current Device (RCD), readily available from electrical stores, DIY stores etc.

PARTS & SERVICE CONTACTS

For Spare Parts and Service, please contact your nearest dealer, or CLARKE International, on one of the following numbers.

PARTS & SERVICE TEL: 020 8988 7400

PARTS & SERVICE FAX: 020 8558 3622

or e-mail as follows:

PARTS: Parts@clarkeinternational.com

SERVICE: Service@clarkeinternational.com

ELECTRICAL CONNECTIONS

WARNING: THIS MACHINE MUST BE EARTHED.

This product is provided with a standard 13 amp, 230 volt (50Hz). BS 1363 plug, for connection to a standard, domestic electrical supply. Should the plug need changing at any time, ensure that a plug of identical specification is used.

IMPORTANT: The wires in the mains lead should be wired up in accordance with the following colour code:

Green & Yellow	-	Earth
Blue	-	Neutral
Brown	-	Live

As the colours of the wires in the mains lead may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

- Connect the GREEN & YELLOW cord to terminal marked with a letter "E" or Earth symbol "⏚"
- Connect BROWN cord to plug terminal marked letter "L"
- Connect BLUE cord to plug terminal marked letter "N"

We recommend that this machine is connected to the mains supply through a Residual Current Device (RCD).

FUSE RATING

The fuse in the plug for this appliance must be rated at **13 amps**

IMPORTANT:

If this appliance is fitted with a plug which is moulded onto the electric cable (i.e non-rewirable):

1. **The plug must be thrown away if it is cut from the electric cable. There is a danger of electric shock if it is subsequently inserted into a socket outlet.**
2. **Never use the plug without the fuse cover fitted.**
3. **Should you wish to replace a detachable fuse carrier, ensure that the correct replacement is used (as indicated by marking or colour code).**
4. **Replacement fuse covers can be obtained from your local dealer or most electrical stockists.**

EXTENSION CABLES

If an extension cable is used always ensure that it is fully unwound. The maximum extension length is 25M, and the wire size in the cables must be at least 1.5mm in diameter. As a general rule the extension cable must be thicker than the cable supplied with the Washer. If longer extensions are required please seek advice from a qualified electrician.

**IF IN DOUBT CONSULT A QUALIFIED ELECTRICIAN.
DO NOT ATTEMPT ANY ELECTRICAL REPAIRS YOURSELF.**

THERMAL OVERLOAD

The machine is protected against damage which could result should the machine overheat. If the thermal overload cuts in, allow at least 5 minutes, to allow the machine to cool, before attempting to restart.

CHEMICAL CLEANING AGENTS

To improve cleaning qualities, it is possible to introduce chemical cleaning agents (detergents) using the foam lance. This is particularly useful for washing cars, greasy engine parts, removing oil spots on concrete etc. Use **ONLY** those detergents recommended for use with power washers, such as CLARKE Traffic Film Remover which is a powerful low foaming agent for car cleaning, patio cleaning etc., or CLARKE Wash & Wax, both available from your CLARKE dealer.

To prepare for detergent application, ensure the trigger safety latch is set to prevent the trigger from being pulled accidentally and the machine is switched OFF. It is not necessary to pull the trigger to release the pressure.

Remove the lance from the trigger/handle assembly by twisting it clockwise looking down from the handle end, and pulling it free. Insert the detergent lance, push in firmly and twist anticlockwise to lock in position.

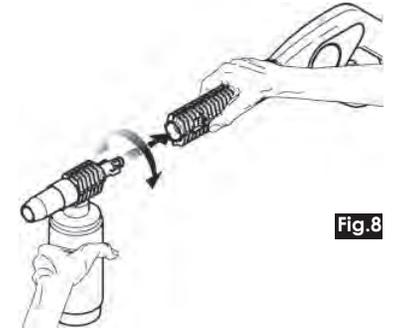


Fig.8

NOTE: It may be necessary to lubricate the lance spigot when new to assist when attaching to the handle.

With the container filled with detergent, screw it on to the detergent lance ensuring the plastic pickup tube is in place.

IMPORTANT:

ALWAYS read and comply with the manufacturers instructions issued with the chemical detergent.

Spray the detergent on to the vehicle, patio etc., and allow it to work itself into the grime.

To rinse and clean, set the safety latch, replace the detergent lance with the main lance, release the safety latch and blast off the dirt.

After using the detergent lance, rinse it thoroughly, together with the container, with clean water. (See Maintenance)

As soon as you pull the trigger again, water at pressure will be ejected.

WARNING!

Ensure the operator is aware that when the trigger is pulled, water at high pressure can cause the lance to kick fiercely - it should therefore be held firmly. In addition, care must be taken to ensure that the nozzle is NOT aimed at an area where the water jet will cause damage. i.e. away from people, animals, windows - greenhouses etc., and be aware that splash back could also cause damage if the jet is trained on a nearby wall etc.



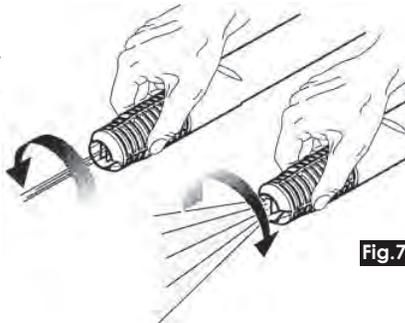
As explained above, whenever you release the trigger, the bypass valve will operate, allowing the motor to continue to run whilst water is not delivered at the nozzle. **IMPORTANT! To avoid overheating, you should never allow this condition to exist for longer than 1 minute or so.**

To turn the machine OFF, press the OFF button (see Fig. 5), THEN..... **ALWAYS press the trigger, to ensure there is no pressure in the hose.**

Get into the habit of pressing the trigger again BEFORE disconnecting the hose from the machine.

In the event that you switch the machine OFF, but intend to continue with its use after a few minutes or so, DO NOT depress the trigger, but set the safety latch to prevent it from being accidentally pulled. This will ease and assist the subsequent restarting of the motor as pressures will remain equalised on either side of the pump, thereby reducing the load on the motor when restarting.

A high pressure pencil jet or fan spray may be selected by twisting the nozzle as shown in Fig.7.



NEVER attempt to run the machine with the water supply disconnected, or turned off

PRE- ASSEMBLY CHECKS

Before assembling your new Jetstar 1700 Powerwasher, check to ensure that all parts listed below are included.

- Item 1 Powerwasher with cable and plug
- Item 2 Trigger/Handle assembly with high pressure hose
- Item 3 Lance Extension
- Item 4 Nozzle assembly
- Item 5 Detergent/foam lance with container



Please check to ensure that no damage was suffered in transit. Should any damage be apparent, you should notify your Clarke dealer immediately.

ASSEMBLY AND PREPARATION FOR USE.

A. Water Supply Hose

Remove the temporary travel cap from the threaded inlet port and screw on the inlet hose adapter (1), ensuring the filter, within the port and sealing ring within the adapter are in both in place

Attach a suitable hose to the inlet hose adapter, using a worm drive clip, or more commonly used, a Quick Fit Coupling as shown at 2, Fig 1.

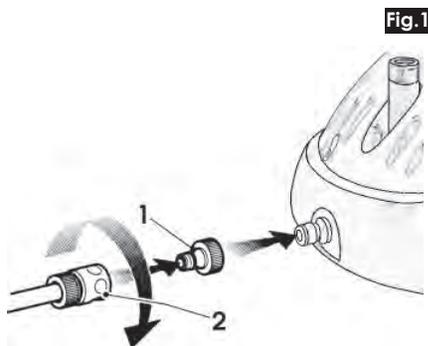


Fig.1

NOTE:

1. Use a good quality hose of at least 1/2" (13 mm) diameter.
2. Hose, worm drive clips, Quick Fit Couplings are not supplied but are available from all good DIY, Hardware and Garden Supplies Stores.

Secure the other end of the hose to your tap using a suitable tap adaptor (not supplied) CLEAN, cold or hot water (up to 40°C) can be used.



Fig.2

NOTE:

In some areas, it may be necessary to ensure that you comply with local bylaws concerning the use of water from the mains supply, and the disposal of possibly contaminated water.

B. High Pressure Hose

Remove the plastic travel cap from the threaded high pressure outlet (4, Fig.3), then insert and push home the high pressure hose into the connector.

Tighten the ring nut (3, Fig. 3), by hand taking care not to overtighten.

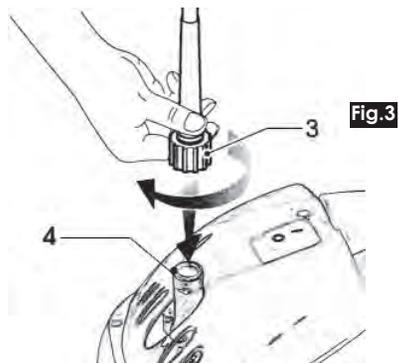


Fig.3

B. Lance

At the opposite end to the nozzle is a spigot with two integral lugs, and a rubber O-ring. Ensure the O-ring is in place and in good condition.

Insert the spigot end of the nozzle into the handle/lance assembly. Push home firmly to lock it in position. Twist anticlockwise looking down from the handle end. DO NOT attempt to disassemble the lance/handle assembly.

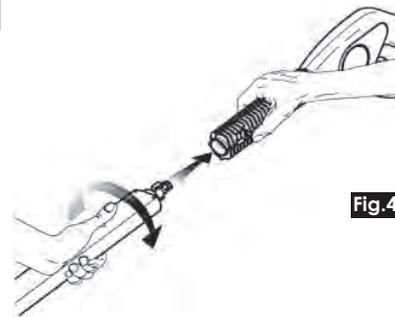


Fig.4

NOTE: When new, the lance may be a tight fit and a little lubrication, with vaseline or similar, will assist when joining the parts together.

C. Nozzle

The nozzle simply screws into the end of the lance.



OPERATION

Make certain the ON/OFF switch is set in the OFF position, see Fig. 5.

Connect the plug to the mains supply, preferably via a Residual Current Device.

Turn the water tap fully on.

When starting, it is **IMPORTANT** that you adopt the following procedure:

In order to ease the starting process, and to prevent the possibility of blown fuses, pull the trigger on the lance - it may be necessary to release the safety latch in order to do so (1, Fig.6), and hold the trigger in that position whilst switching the motor ON and allowing the pump to develop full pressure.

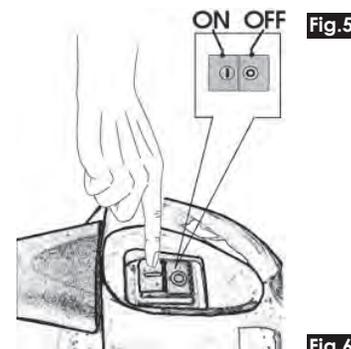


Fig.6

You may release the trigger once full pressure is developed. When you do so, a bypass valve will operate, and the motor will continue to run, but water will not be delivered at the nozzle.

