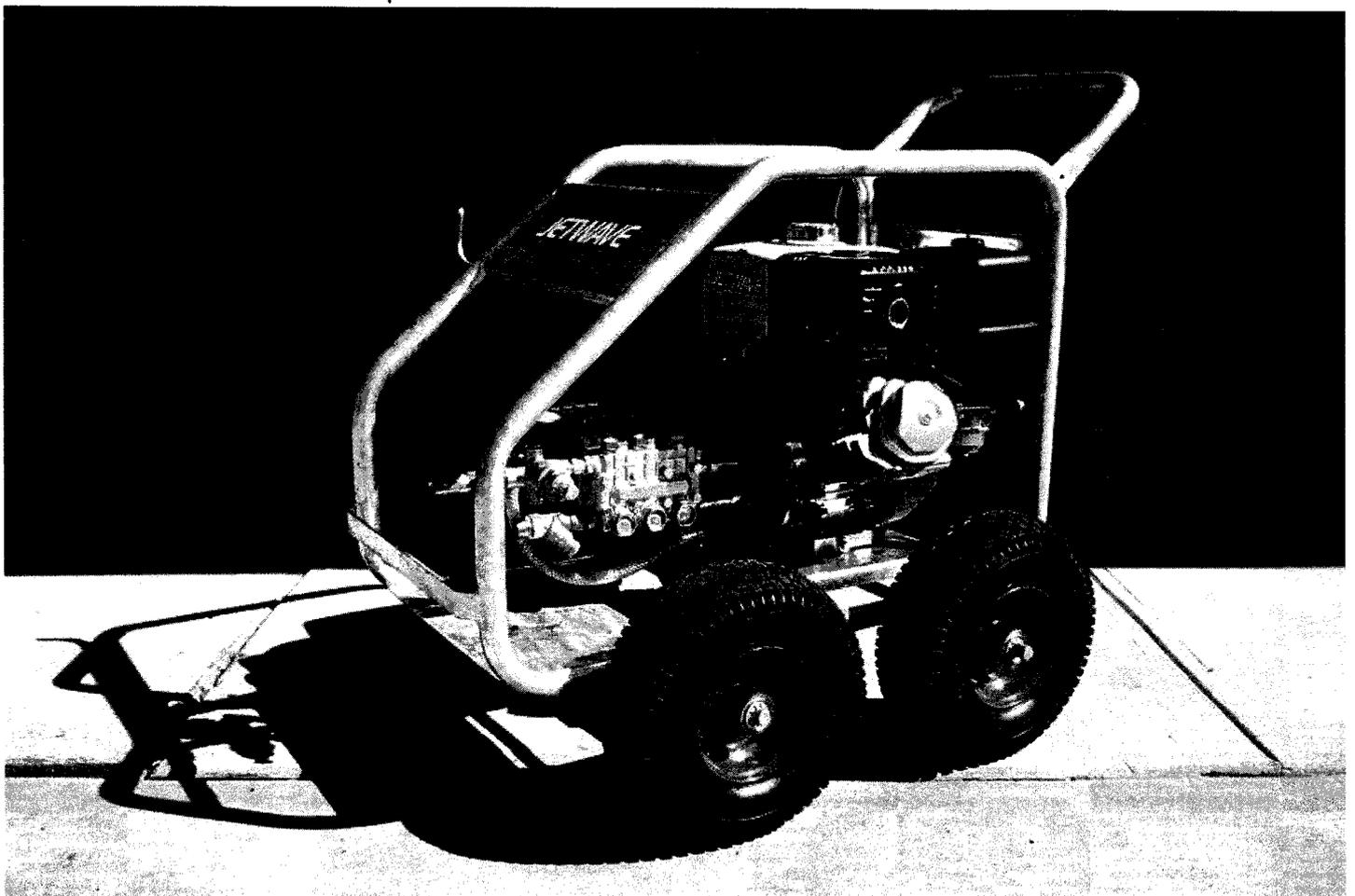




Industrial Equipment

Operating Instructions Petrol Driven - Gearbox Cold Water Pressure Cleaner



Operating Instructions

Petrol Driven Cold Water Pressure Cleaner

Congratulations on the purchase of your new Jetwave product. Before attempting to operate your machines, please read all of the instructions to ensure safe and trouble free service from your Jetwave cleaning machine.

Component Checklist

The following standard accessories should have accompanied your machine:-

- (1) Hose assembly;
- (2) Gun and lance assembly;
- (3) Manufacturers motor and pump assembly specifications;
- (4) Warranty card;
- (5) Detergent line with filter.

Contact your point of purchase immediately if any of the above components are missing.

Pre-Operation Instructions

- (1) Ensure that the engine is turned off.
- (2) Fill fuel tank with **unleaded petrol only. Do not attempt to fill the tank while the engine is running.**
- (3) Connect the high-pressure hose to the pump outlet.
- (4) Connect water supply to the inlet water fitting on the pump. Ensure that the water supply is sufficient for the operation of the pump, if you are uncertain of the suitability of the water supply then refer to the recommended flow rate, which is displayed on the data plate on the pump body.
- (5) Ensure that the water supply hose does not have any kinks or holes.
- (6) Ensure that the water inlet supply filter is not blocked due to the presence of foreign particles in the water supply. Clean the water inlet supply filter regularly to ensure smooth operation.
- (7) Check that the oil levels on the pump, gearbox and engine indicate the correct level.
- (8) Starting engine
 - (i) Turn the petrol tap onto the 'on' position;
 - (ii) Turn the choke lever to the 'on' position;
 - (iii) Turn on/off switch on the engine to the 'on' position;
 - (iv) For recoil start engines, pull rope coil to start;
 - (v) Turn choke lever off once engine is running;
 - (vi) Warm engine for 60 seconds before operating at full load.
 - (vii) Turn the throttle lever to maximum throttle;
- (9) Gun Operation
 - (i) **Read the chapter on safety precautions before proceeding to use the machine;**
 - (ii) Point the lance towards the object to be cleaned and depress the trigger on the gun;

- (10) Shut down of machine
 - (i) De-accelerate engine to low rpm;
 - (ii) Switch the on/off switch to the 'off' position;
 - (iii) Turn the fuel tap on the engine to the 'off' position;
 - (iv) Turn the inlet water off at the tap;
 - (v) Pull the trigger on the gun to release any backpressure;
 - (vi) Disconnect both the water inlet supply hose and the water outlet high-pressure hose.

Important Safety Precautions

- (1) Never direct the spray jet at any person or animal;
- (2) Never place any part of your body over the nozzles;
- (3) Never direct the spray jet towards either the machine itself or any electrical item;
- (4) After use, Pull the trigger on the gun to release any backpressure;
- (5) When not in use, ensure that the machine is switched off and is disconnected from inlet water supply;
- (6) Do not attempt any mechanical repair yourself. Should your machine require either service or repair then please contact your local Jetwave agent;
- (7) Never supply any liquid other than water to the water inlet;
- (8) Never pull on the high pressure hose if it has formed kinks or nooses;
- (9) Never drag the hose over sharp objects;
- (10) Do not attempt to disconnect either the hose or any couplings whilst there is pressure in the hose. Refer to point (4) above.
- (11) Do not operate the machine whilst on a ladder.
- (12) Never allow children to either operate or play with the machine.
- (13) The use of safety glasses is recommended when using the machine to prevent any loose particles disturbed by the high-pressure spray coming into contact with your eyes.

Tips & Hints

- (1) Regularly check the oil level in the pump. The oil level should be maintained at the level indicated on the pump.
- (2) Top up the oil in the pump when required using SAE 20W 50 oil. Never mix different grades of oil.
- (3) Use a good quality 13mm (inside diameter) water supply hose and connect to the water inlet on the pump using a hose clamp. Ensure that this connection is tight to avoid leaks.
- (4) Do not use any water supply hotter than 50°C as this will damage both the valves and seals in the pump.
- (5) Ensure that the tap on the water supply is fully opened before operating the machine.
- (6) After detergent use, flush the machine for a few minutes with clean water.

Trouble Shooting

The following table is provided as a general guide only. Please refer to your local Jetwave agent for service, repairs or specific advice.

Fault	Probable Cause	Possible Remedy
Pump runs normally but pressure does not achieve rated value.	Pump is sucking air.	Check that all hoses and fittings are airtight.
	Valves are worn or dirty.	Check, clean or replace.
	Unloader valve packing worn.	Check and replace.
	Nozzle incorrect or worn.	Check and replace.
	Worn piston packing.	Check and replace.
	Dirty filter.	Check and clean.
Fluctuating pressure.	Valves dirty, worn or stuck.	Check, clean or replace.
	Pump sucking air.	Check that all hoses and fittings are airtight.
	Worn piston packing.	Check and replace.
	Dirty filter.	Check and clean.
Presence of water in oil.	High humidity in air.	Check and change oil twice as often.
	Piston packing or oil seal worn.	Check and replace.
	Water entering through breather.	Excessive water on machine.
Water dripping from pump.	Piston packing worn.	Check and replace.
	Piston guide o'rings worn.	Check and replace.
Dripping oil.	Worn oil seals.	Check and replace.
	Oil coming out of breather.	Pump oil level overfull.
Motor does not start when switched on.	Plug not well-connected or unreliable power supply.	Check plug, cable & switch.
	Earth leakage overload.	Check earth leakage.
When switched on the motor hums but does not run.	Mains voltage is insufficient.	Check adequacy of mains power supply.
Motor stops suddenly during operation.	Thermal overload tripped due to overheating.	Check mains voltage for fluctuations.

For further information please contact

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