793-1190

WBU8200P

Original Manufacturer Instructions

Introduction

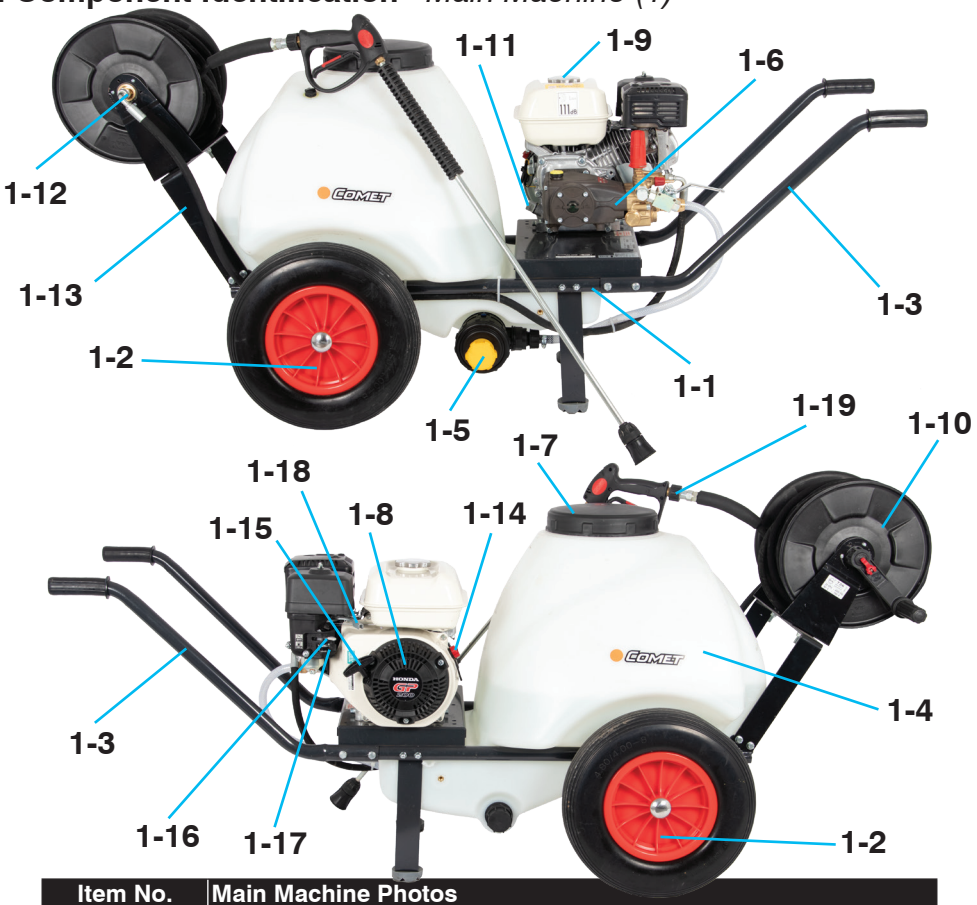
This manual and any other literature supplied must be read fully prior to the initial operation of your machine and be stored for later use or for subsequent owners. Pay particular attention to any instructions relating to operation and safety and maintenance of the unit. Following these instructions will ensure optimum performance, reliability and operator safety. The model and serial number on the cover of this booklet must be quoted should you need to contact the dealer or manufacturer regarding usage, maintenance and warranty queries.

Recommended Safety Standards & Directives

This manual highlights certain safety measures which must be taken in to consideration when using this machine. However, each system designer, contractor and operator must make their own risk assessments whilst considering their individual application and environment and ensure the user is properly trained and wearing protective clothing to the required regulatory standards. We recommend visiting the Health and Safety Executive website at www.hse.gov.uk to be properly informed on best practice in the UK.

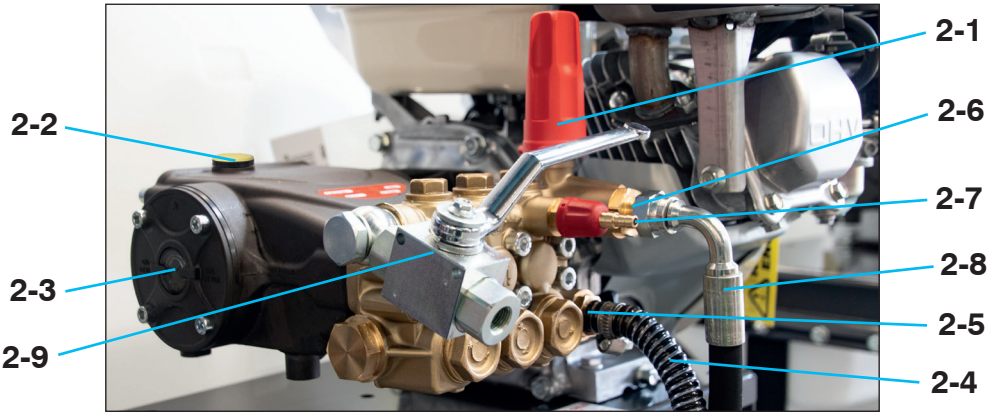
Contents

1. Component Identification - *Main Machine (1)*

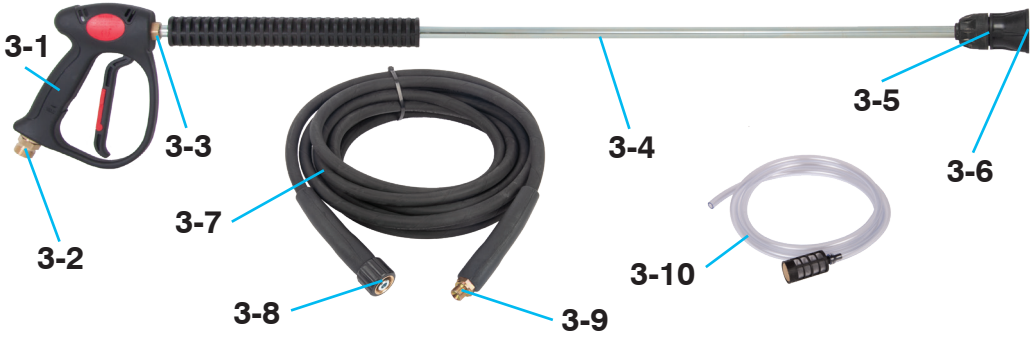


Item No.	Main Machine Photos
1-1	Trolley Frame
1-2	Trolley Wheels
1-3	Removable Trolley Handles
1-4	120L Polyethylene Water Tank
1-5	50 Mesh Filter
1-6	High Pressure Pump
1-7	Tank Lid
1-8	Engine
1-9	Fuel Filler Cap
1-10	Hose Reel with 10M High Pressure Hose (20M on WBU8200P-20M)
1-11	Engine Oil Dipstick & Filler
1-12	Hose Reel High Pressure Hose Inlet
1-13	Hose Reel Bracket
1-14	Engine Ignition On/Off Switch
1-15	Engine Recoil Starter Pull Cord
1-16	Engine Choke Lever
1-17	Engine Fuel Cut-Off Lever
1-18	Engine Throttle Control
1-19	M22 Hose - Lance Coupler

1. Component Identification - *Pump Close Up (2) & Accessories (3)*



Item No.	Pump Close up
2-1	Integrated Unloader Valve & Pressure Adjustor Knob
2-2	Oil Breather Dipstick
2-3	Pump Oil Sight Glass
2-4	Suction Hose
2-5	Suction Hose Inlet
2-6	High Pressure Outlet
2-7	Chemical Injector
2-8	High Pressure Hose
2-9	Easy Prime Ball Valve



Item No.	Accessories
3-1	Trigger Gun
3-2	Trigger Gun Inlet
3-3	Trigger Gun Outlet
3-4	900mm Lance
3-5	Variable Hi-Lo Pressure Head
3-6	High Pressure Outlet & Nozzle
3-7	High Pressure Delivery Hose
3-8	M22 F Coupler Port
3-9	3/8" BSP M Thread Port
3-10	Chemical Hose & Filter Assembly

2. Technical Specification

	Model No.	WBU8200P / WBU8200P-20M
Engine Information	**Engine**	Honda GP200-QX
	Fuel	Petrol
	Power	5.5 HP (4.1 kW) - SAE J1349
	Nominal Rpm	3400
	Starting Method	Recoil start
	Fuel Tank	3.1 Litres
Water Connection	**Max Feed Temperature**	40°C
	Minimum Feed Flow Rate	10 Lpm
	Maximum Feed Pressure	0.3 MPa - 3 Bar - 43.5 psi
	Maximum Suction Depth	1 Metre (3.3 Feet)
High Pressure Performance	**Flow Rate**	8 Lpm
	Working Pressure	20 Mpa - 200 Bar - 2900 psi
	Nozzle Jet Size	15° fan - 02 jet
	Max. recoil force on Spray Gun	25 N
Hand-Arm Vibration Value	**Hand Spray Gun**	<2.5 m/s
	Spray Lance	<2.5 m/s
	Uncertainty K	1
Sound Levels	**Uncertainty K**	0.7
	SPL LWA dB*	107
	GSPL LWA dB**	111
Oils	**Pump Oil Type**	SAE 15W/40
	Engine Oil	Refer to engine user manual
Weights & Dimensions	**Dimensions**	1520L x 680W x 740H (mm)
	Weight	59 Kg / 63 Kg

***SPL = Sound Power Level on equipment representative of this type**

****GSPL = Guaranteed Sound Power Level for this equipment.**

Notes

For the engine to reach its maximum power, and the unit to achieve full rated performance, the machine must be run in for at least 10 hours. The engine's performance diminishes as altitude and ambient temperature increase. If the machine is to be used at altitude or with a high ambient temperature please refer to the engine user manual for guidance and any necessary precautions.

3. Intended and Proper Use - Commercial

This machine is intended for Commercial use and is not suitable for normal housekeeping purposes by private persons whereby there may be a source of danger to the public. The machine must be used solely by professional contractors who are properly trained and wearing protective clothing to the required health & safety, and national legislation regulatory standards.

The intended use of this high pressure cleaner is exclusively for:

- Cleaning of machines, vehicles, buildings, and tools with **clean, soft water** and, if necessary, with detergents approved by the manufacturer. Use the chemical injector - DO NOT put chemicals or detergents in the tank.
- Descaling and clearing of blocked pipes and hydro sandblasting by means of special accessories recommended by the manufacturer.
- Use with accessories rated to the performance of the high pressure cleaner.

The high pressure cleaner MUST NOT be used:

- To wash people, animals, live electrical equipment, delicate objects or the high pressure cleaner itself.
- In environments in which explosive or corrosive atmospheres are present.
- In poorly ventilated areas where exhaust gases from the engine could cause harm to the user and public unless adequate ventilation is approved by national labour authorities.
- By persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience or necessary knowledge.

Any other use must be considered improper and the manufacturer cannot be considered responsible for possible damages caused by the improper or incorrect use.

4. Safety Information

WARNING - Not following the instructions given below may cause serious injury to persons, harm to the environment and damage to equipment.

This machine must only be used in applications covered in section 3, Intended and Proper Use.

Use the following personal protective equipment (PPE)

	Wear protective clothes
	Wear protective ear muffs
	Wear protective gloves
	Wear a face shield
	Wear safety boots

This machine has been designed for use only with cleaning agents approved by the manufacturer. The use of other cleaning agents or chemicals may adversely affect the safety of the machine.

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

Do not use the machine within range of persons unless they wear protective clothing.

Do not direct the jet against yourself or others in order to clean clothes or footwear.

Risk of explosion - Do not spray flammable liquids.

High pressure cleaners shall not be used by children or untrained personnel.

High pressure hoses, fittings and couplings are important for the safety of the machine. Use only hoses, fittings and couplings recommended by the manufacturer.

To ensure machine safety, use only original spare parts from the manufacturer or approved by the manufacturer. USE OF NON APPROVED PARTS WILL VOID WARRANTY.

Water that has flowed through backflow preventers is considered to be non-potable

Do not use if machine, component part, or any accessory is damaged or worn.

Pressure washers should never be left unattended. Always switch the machine off before breaking from work.

Machine not suitable for connection to the potable water mains. (See page 10 for the exception of initial priming of the pump)

5. Safety Devices

Safety devices serve to protect the user and machine and must not be rendered in operational or their functions bypassed. Safety devices must not be tampered with by the user as this could result in serious injury and/or damage to the machine.

Integrated Unloader or Bypass Valve - Pre-set by the manufacturer, for regulating the working pressure allowing pumped fluid to circulate in the head of the pump when the operator closes the trigger gun. The unloader valve fitted to this pressure washer is a trapped pressure type valve which, when the trigger is closed, maintains pressure in the high pressure line.

Trigger Gun Safety Latch - Safety stop for locking the trigger gun lever in the closed position so it cannot be opened accidentally.

6. Standard Accessories

The WBU8200P wheelbarrow pressure washer is supplied with the following accessories. Make sure all the items listed are included when unboxing for the first time.

- High pressure lance assembly.
- 10m high pressure hose assembly (20m on the WBU8200P-20M).
- Chemical suction kit
- Hose reel and bracket.
- Wheelbarrow trolley handles.
- Miscellaneous accessories and handbooks.

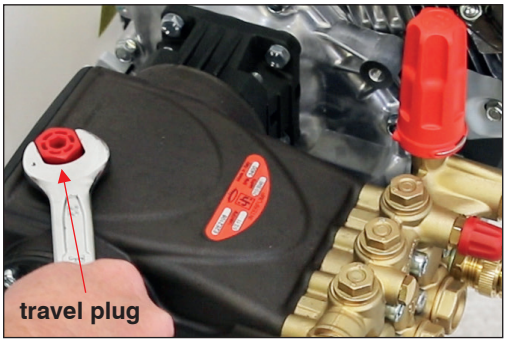
In case of transport damage inform vendor immediately. When unpacking the product, make sure that no accessories are missing and that none of the package contents have been damaged.

7. Pre-Operation Checks and Set Up

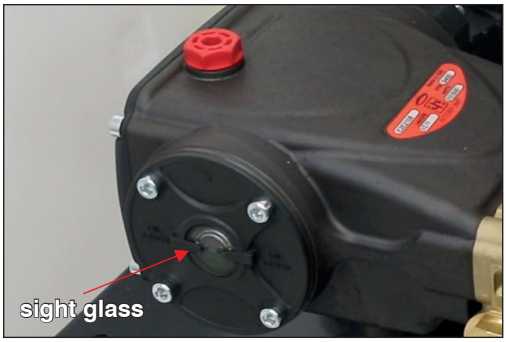
CHECKS

❶ **DAMAGE -** Before each period of use ensure the machine and all components and accessories are complete and undamaged. Take care to ensure the suction hose is kink-free.

❷ **TRAVEL PLUGS -** On the pump REMOVE THE RED TRAVEL PLUGS and replace with the appropriate yellow-topped oil dipstick/breather.



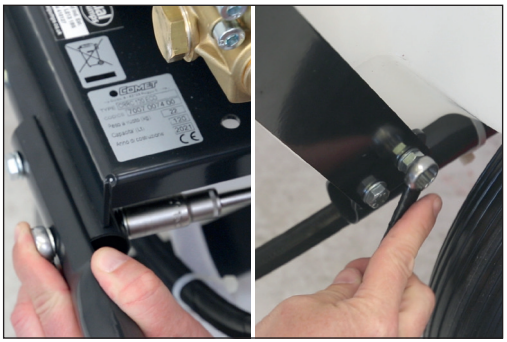
❸ **OIL LEVELS -** Check oil levels on the sight glass of the pump, the oil should be half way up the sight glass - ensure machine is on a level surface.



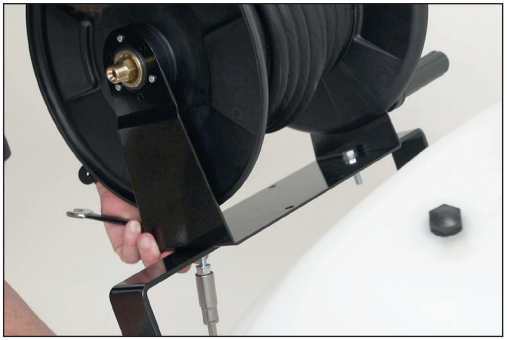
Check that the tank inline and suction filters are clean.

7. Pre-Operation Checks and Set Up

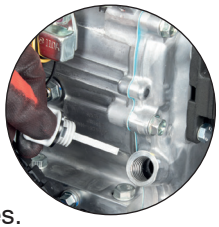
❹ **WHEELBARROW HANDLES** - The wheelbarrow handles, hose reel bracket & bolts are inside the tank, attach them to the trolley with appropriate tools.



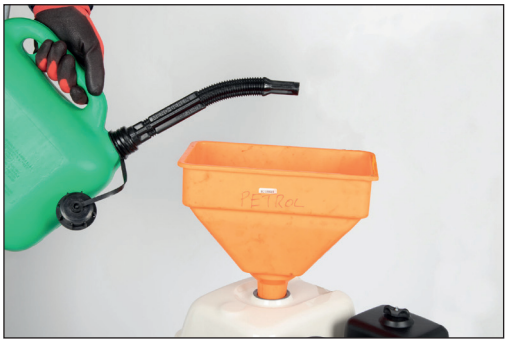
❺ **HOSE REEL & HOSE** - Assemble the hose reel and high pressure hose following instructions inside the box then attach this to the hose reel bracket with supplied bolts.



❻ **ENGINE OIL** - Use the engine dipstick to check the engine oil level, refer the engine manufacturers handbook for levels and oil types then add the required amount.

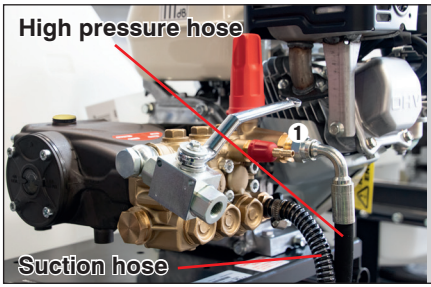


❼ **FUEL** - Fill the fuel tank with petrol, refer to the engine manufacturers handbook for fuel types.



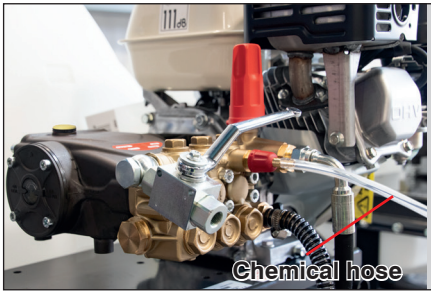
7. Pre-Operation Checks and Set Up

SET UP



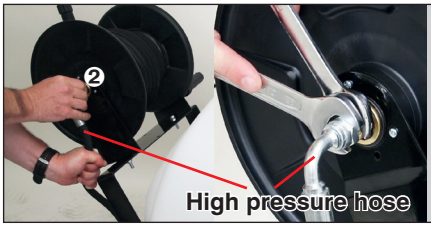
1 Suction Hose

The suction hose is supplied pre-connected to the unloader valve inlet with hose barb and clip. **Ensure all connections are tight and leak free. Air leaks on the suction side will impair the machine performance and damage components.**



2 Chemical Hose

If using chemicals to clean with then connect the chemical hose and filter assembly to the chemical injector. Submerge the chemical filter in to a suitable chemical drum. **Effective use of the chemical injector is limited to a maximum of 10M of high pressure hose.**



3 High Pressure Hose

Connect the high pressure hose leading from the ❶ high pressure outlet of the unloader valve to the ❷ hose inlet on the hose reel. Tighten with appropriate spanners.

4 Lance Assembly

Connect the high pressure hose leading from the hose reel to the lance assembly inlet. **Ensure the trigger gun safety latch is engaged to prevent accidental operation.**

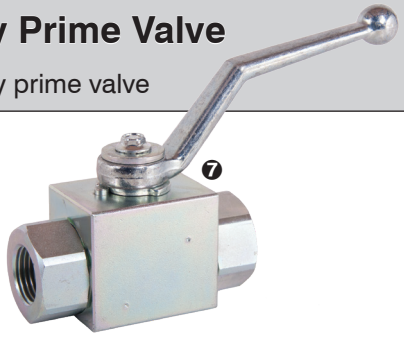
Safety Latch

OFF

ON

5 Easy Prime Valve

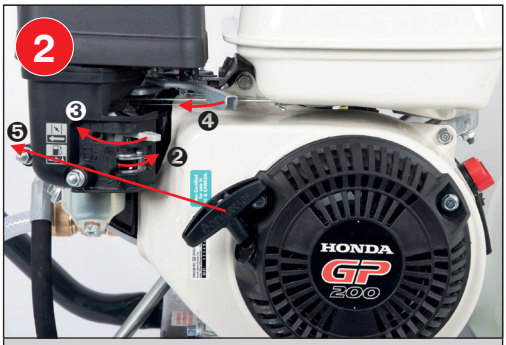
Open the easy prime valve



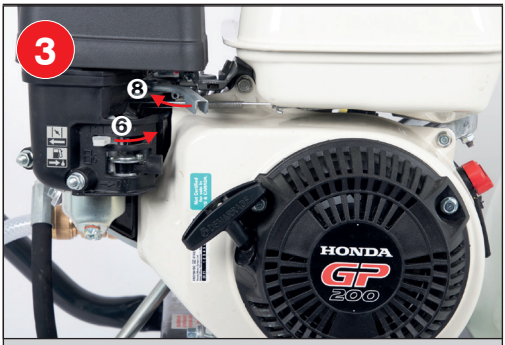
8. Start Up and Operation

Before starting the machine the user must be familiar with the engine starting and stopping procedure and any safety requirements stated in the engine manufacturer's handbook supplied with the unit.

❶ Switch on the engine.



❷ Open the fuel tap.
❸ Close the choke.
❹ Adjust the engine rev lever to half speed.
❺ Pull the recoil to start the engine.



❻ Open the choke until the engine runs smoothly.
❼ Close the easy prime valve (page 8)
❽ Increase the engine revs to full speed.

❾ Pull the trigger on the gun and lance assembly, the Wheelbarrow tank pressure washer is now ready to use.

IF THE ENGINE DOES NOT START CHECK THE OIL LEVEL.

WARNING: Do not let the pump idle in By-Pass for lengthy periods, if you intend to break from work for more than 2 minutes, switch the machine off. Should the machine run for a longer period, the temperature of the re-circulating water will increase rapidly and could risk damaging the pump seals. Running pressure washers should never be left unattended.

Before initial use fill the tank with water 3/4 full.

Turn the variable pressure head to low to aid priming.

9. Stopping Procedure

- **DRAIN PUMP** - Remove the suction hose from the water supply tank and drain the water from the pump by allowing the machine to run for a few seconds with the trigger gun open until no water is coming from the high pressure jet. Opening the easy prime ball valve is another way to drain the pump.
- **SHUTDOWN ENGINE** - In keeping with the information from the engine manufacturer's manual, reduce the engine revs and switch the ignition switch to the off position.
- **RELEASE RESIDUAL HIGH PRESSURE WATER** - Pull the trigger gun to release any trapped pressure in the delivery line.
- **TRIGGER GUN SAFETY LATCH** - Ensure the trigger gun safety latch is engaged to prevent accidental operation.
- **COOL DOWN** - Wait for the machine to cool down before transporting.

10. Transporting

- **SWITCH THE FUEL TAP OFF BEFORE TRANSPORTING**

During transportation the machine must be secured using suitably rated straps and fixings.

The machine must only be lifted and secured by attaching lifting/security equipment to the main frame. No lifting/security straps should come in to contact with the engine, gearbox, pump, valves or filter.

11. Decommisioning and Storage

- **ENGINE** - Follow the guidelines in the relevant section of engine manufacturer's handbook.
- **HOSES AND ACCESSORIES** - Disconnect hoses and lance assembly. Ensure all water is expelled from hoses and lance, check for damage and store in a manner that will not kink the hose assemblies.
- **PRESSURE WASHER** - Ensure all the water is expelled from the pump by turning over the engine.
- **STORAGE** - Machine and accessories must be stored in dry and frost-free environment.

12. Maintenance Information

Maintenance and servicing of the machine must only be undertaken by suitably trained and qualified technicians.

Unloader Valves must only be adjusted and serviced by suitably trained and qualified technicians.

Ensure all steps from the Decommissioning & Storage section have been carried out before starting any work on the machine.

- **ENGINE** - Refer to engine manufacturer's handbook for specific engine maintenance and service schedules.

Do not release oils and fuel into the environment. Dispose of all oils and fuels through suitably certified outlets according to local regulations.

13. Pressure Washer Maintenance Schedule

Activity	Each/ First Use	3 months or first 50 Hours	12 months or 250 hours
Inspect / top up oil levels			
Engine	*		
Pump	*		
Change Oil			
Pump (SAE20/30 Pump Oil)		*	*
(Change engine oil and filter in-line with the engine manufacturers recommendation), or at -		First 3 months or 50hrs only	*
Water Suction Filter			
Clean tank mounted water inlet filter	*	*	
Inspect high-pressure hose and its connection for tightness and damage	*		
Inspect suction hose and its connections for tightness and damage	*		
High Pressure Jet			
Inspect	*		
Change			*

14. Troubleshooting

Symptom	Possible Cause	Remedy
Pump running normally but pressure low.	Pressure Regulator valve Pump sucking air. Lance in low pressure mode see page 9. Nozzle worn. Worn piston packing.	Check and adjust. Check water supply and possible air ingress. Check and adjust. Check and/or replace. Seek professional advice.
Fluctuating pressure.	Blocked water filter. Pump sucking air.	Check filter, clean or replace if necessary. Check integrity of suction hose and connections.
Pressure low after a long period of normal use.	Nozzle worn.	Check and/or replace.
Pump noisy.	Pump sucking air. Excessive temperature of liquid in pump. Blocked water filter. Worn bearing or valves.	Check integrity of suction hose and connections. Reduce temperature to below 60ºC, do not allow pump to idle for long periods. Check filter, clean or replace if necessary. Seek professional advice.
Presence of water in oil.	Ingress through oil breather. Worn oil seals.	Replace oil, do not wash engine or pump. Seek professional advice.
Water dripping from under pump.	Worn piston packing.	Seek professional advice.
Oil dripping from pump or engine.	Worn oil seal.	Seek professional advice.
Excessive vibration in lance or delivery line - possible cavitation.	Water supply low. Ingress of air into suction line. Irregular functioning of valves. Blocked water filter.	Check adequacy of water supply. Ensure suction filter is below water level. Check integrity of suction hose and connections. Seek professional advice. Check filter, clean or replace if necessary.

15. Disposal and Environmental Protection

Old appliances contain valuable materials that can be recycled; these should be sent for recycling. Batteries, oil, and similar substances must not enter the environment. Please dispose of your old appliances using appropriate collection systems.

Please do not release engine oil, fuel oil, diesel and petrol into the environment. Protect the ground and dispose of used oil in an environmentally-clean manner.

The packaging material can be recycled. Please do not throw the packaging material into household waste; please send it for recycling.

16. Warranty Information

For warranty terms refer to Section 7 of our Terms and Conditions at
www.dualpumps.co.uk/company/legal
or scan the QR code

17. UKCA & EC Declaration of Conformity

Declaration of Conformity
Equipment Type
High pressure cleaner - Engine Driven
Relevant UKCA Directives
Supply of Machinery (Safety) Regulations 2008
Electrical Equipment (Safety) Regulations 2016
Noise Emission in the Environment by Equipment for use Outdoors Regulations 2001
Relevant EU Directives
2006/42/EC - Machinery Directive
2014/30/EU - Electromagnetic Compatibility (EMC) Directive
2000/14/EU – Noise Emissions Directive
Applied Harmonised Standards
EN60335-1-2012-A13-2017
EN60335-2-79-2012
EN1829-1-2010
EN1829-2-2008
EN4871-2009
Manufacturer
Dual Pumps Ltd, Saxby Road Industrial Estate, Melton Mowbray, LE13 1BS. United Kingdom
Person authorised to compile the technical file & declaration
Tom Herridge, Director
Signed – 
Date – 12/01/2022

We hereby declare that the machinery described above complies with the relevant basic health and safety requirements of the UKCA & EU Directives, both in its' basic design and construction. This declaration shall cease to be valid if the machine is modified without our prior approval.

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DP-WBU8200P-V1.01-09/23