

Clarke®



WARNING: Do not use the machine without reading this manual

PETROL DRIVEN POWER WASHER MODEL NO: TIGER 3200

PART NO: 7320213

OPERATION & MAINTENANCE INSTRUCTIONS



ORIGINAL INSTRUCTIONS

DL0525

INTRODUCTION

Thank you for purchasing this CLARKE Petrol Pressure Washer.

Before attempting to use this product, please read this manual thoroughly and follow the instructions carefully. In doing so you will ensure the safety of yourself and that of others around you, and you can look forward to your purchase giving you long and satisfactory service.

GUARANTEE

This product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt which will be required 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.

ENVIRONMENTAL RECYCLING POLICY

One of the most damaging sources of environmental pollution is oil products. Never throw away used oil with domestic refuse or flush it down a sink or drain. Collect any oil in a leak proof container and take it to your local waste disposal site.

Should any components become completely unserviceable and require disposal, plastic and metal components should be disposed for re-cycling according to local regulations.

GENERAL SAFETY RULES

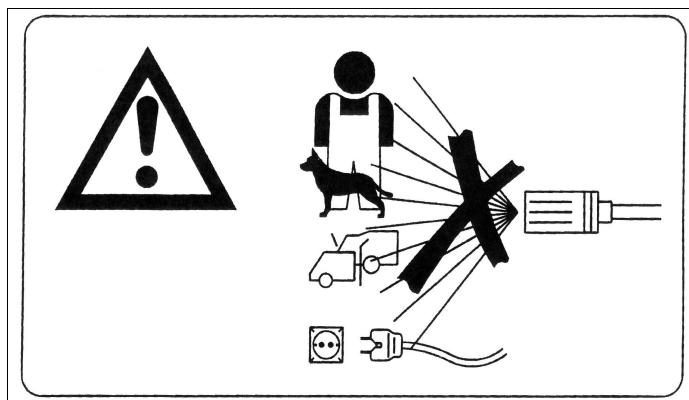


WARNING: WATER AT HIGH PRESSURE CAN BE DANGEROUS AND CAN CAUSE DAMAGE TO PERSONS OR PROPERTY IF THE OPERATOR IS CARELESS. NEVER ALLOW ANYONE TO OPERATE THIS EQUIPMENT UNLESS THEY ARE THOROUGHLY RELIABLE, AND FAMILIAR WITH THE SAFETY PRECAUTIONS.

1. **DO NOT** point the spray at other people, animals, electrical equipment or the machine itself.
2. **DO NOT** hold your finger over the high pressure nozzle.
3. **DO NOT** let children or untrained personnel use this machine.
4. **DO NOT** operate the machine with any of the covers removed.
5. **DO NOT** try to repair this machine. **ALWAYS** refer to your CLARKE service department for all repairs.
6. **DO NOT** supply any liquid other than water to the water inlet.
7. **DO NOT** use the detergent pickup facility to introduce flammable liquids/solvents, e.g. paint thinners, petrol, oil as there is a risk of explosion.
8. **ALWAYS** release the remaining pressure in the system; turn off the water supply and operate the trigger before you remove hoses or accessories.
9. **ALWAYS** keep the machine dry and away from the water spray.
10. **ALWAYS** use protective clothing and safety glasses. Loose particles and other items can be propelled at high speed by the water spray.
11. **ALWAYS** hold the gun securely & expect it to 'kick' when you pull the trigger.
12. **ALWAYS** respect the requirements of the local water company. Pressure washers may only be connected to the mains water supply if a system separator (also known as a back-flow preventer) is installed in the supply hose.
13. **ALWAYS** disconnect from the water supply, and make sure that you drain the system when not in use. **KEEP** in a cool dry location.
14. **ONLY** use detergents that are suitable for pressure washers, see page 39 for a full range of CLARKE pressure washer detergents (available from your CLARKE dealer).
15. **WARNING** High pressure water jets can be dangerous, the jet must not be directed at a person or anything that they are wearing.
16. **WARNING** High pressure hoses, fittings and couplings are important for the safety of the machine. Use only hoses, fittings and couplings recommended by the manufacturer.
17. **WARNING** Water that passes through a system separator (also known as a back-flow preventer) is not safe to drink.
18. **DO NOT** use the pressure washer if there is damage to the inlet/outlet hose or the machine.
19. Place the pressure washer in a well ventilated area. This will allow for removal of deadly exhaust gas. **DO NOT** place the pressure washer where the gas could

accumulate and enter inside or be drawn into a potentially occupied building. Ensure exhaust gas is kept away from any windows, doors, ventilation intakes, or other openings that can allow exhaust gas to collect in a confined area. Prevailing winds and air currents should be taken into account.

SAFETY SYMBOLS



WARNING: Risk of injection or severe injury. **DO NOT** direct discharge stream at persons or animals. Keep clear of nozzle. This machine is to be used only by qualified operators.

WARNING: NEVER direct spray toward any electrical device or electrical outlet.



General Warning: Indicates that failing to follow these instruction could result in injury or damage to the machine.



To reduce the risk of injury, read the manual before use.



ALWAYS wear safety glasses when using this machine.



WARNING: Load Noise, **ALWAYS** wear ear protection when using this machine.



WARNING: No open flame, open ignition source and smoking is prohibited.



WARNING: No smoking



DANGER: Risk to breathing. Engine exhaust fumes can kill. For outdoor use only. Work in a well ventilated area.



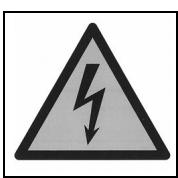
WARNING: Risk of injection or severe injury. Do not direct discharge stream at persons or animals. Keep clear of nozzle. This machine is to be used only by qualified operators.



WARNING: Risk of spray injury. Spray can propel objects. Always wear BS EN166 approved safety glasses or googles.



WARNING: Risk of chemical burn. Never spray acids, corrosive or toxic chemicals. Use only cleaners formulated for pressure washers.



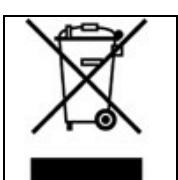
WARNING: Risk of electrocution. Never direct spray toward any electrical device or electrical outlet.



WARNING: Risk of unsafe operation. Keep children away from this equipment. Gun kicks back. Hold with both hands.

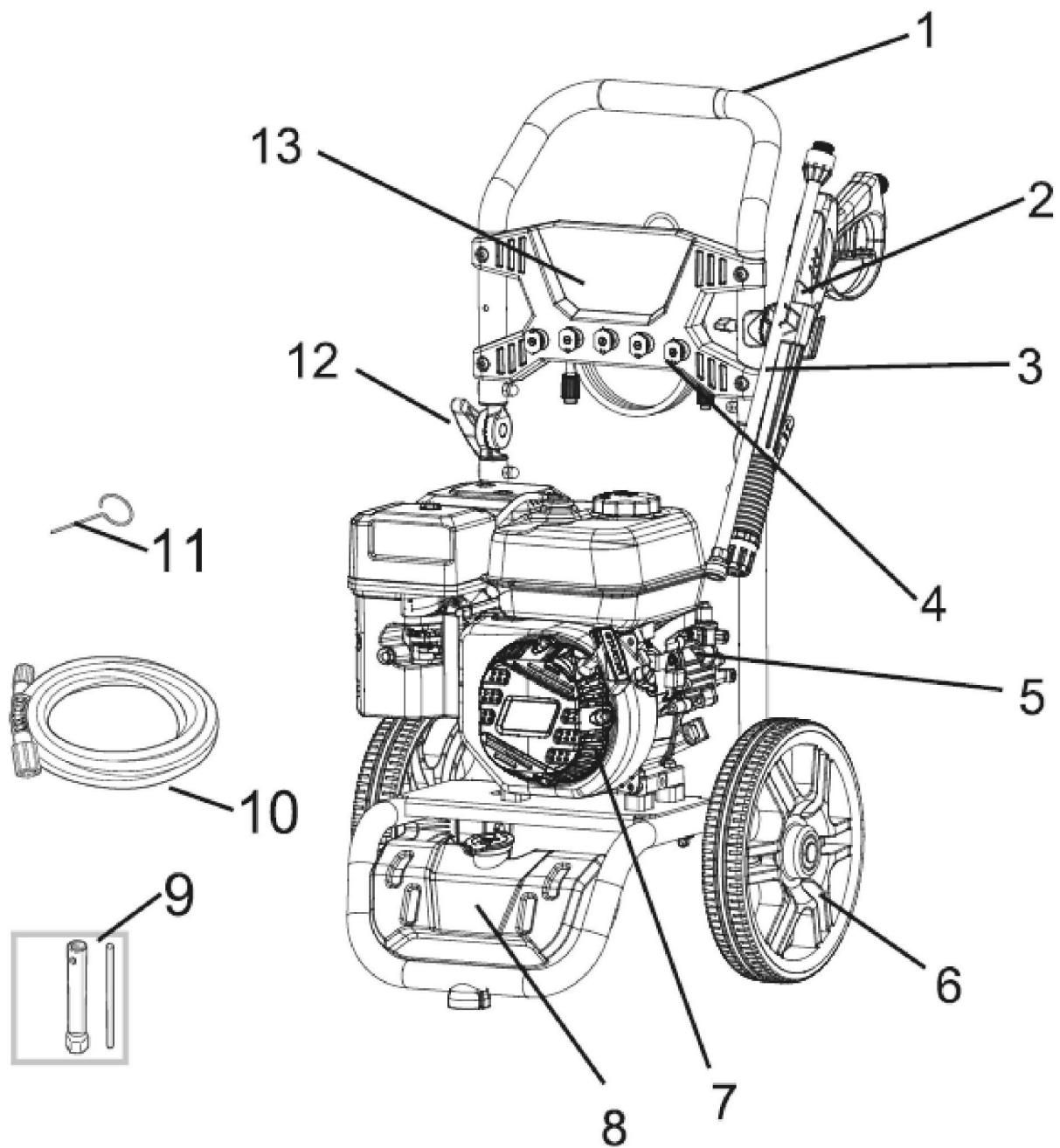


WARNING: Risk of hot surfaces.



Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment.

OVERVIEW



OVERVIEW DESCRIPTIONS

NO	DESCRIPTION	NO	DESCRIPTION
1	Frame	8	Detergent Tank
2	Spray Gun	9	Spark Plug Spanner
3	Spray Lance	10	High Pressure Outlet Hose
4	Nozzle x 5	11	Nozzle Cleaning Tool
5	Pressure Pump	12	Handle Adjustment Knob
6	Wheel x 2	13	Nozzle Panel
7	7hp Engine		

UNPACKING

Unpack your pressure washer and check to ensure the following items are present. Contact your CLARKE dealer immediately if any parts are missing or damaged.

1 x Petrol Pressure Washer	1 x Dual Head Screwdriver
2 x Wheels	1 x Spark Plug Box Spanner
2 x Wheel Axle Rod and Washer	1 x Nozzle Cleaning Tool
2 x 'R' Clips	1 x Spray Gun Holder
1 x Spray Gun	1 x Hose Hook
1 x Spray Lance	1 x Engine Manual
1 x High Pressure Hose (Outlet): Black	1 x Oil Funnel
1 x Water Supply Hose (Inlet): Blue	1 x Inlet Connector
1 x High Pressure Hose Connector	1 x Hose Clip
5 x Gun Nozzles	

ASSEMBLY

Your pressure washer requires some assembly before it is ready for use. You will require the following tools:

- Open Ended Spanners: 8mm and 10 mm

UNPACKING



WARNING: PRESSURE WASHER IS HEAVY. DO NOT ATTEMPT TO LIFT AND REMOVE THE PRESSURE WASHER UNIT FROM THE CARTON WITHOUT ASSISTANCE FROM ANOTHER PERSON OR UNPACK AS INSTRUCTED BELOW.

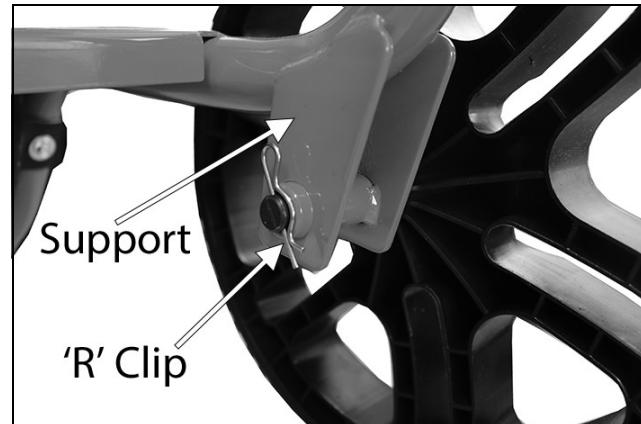
1. Set the carton on a rigid, flat surface. Remove all loose parts and packing.
2. Leave pressure washer in the carton.
3. Using a box cutter, open the carton completely by cutting the four corners allowing the sides to lay flat.
4. Leave the pressure washer on the carton while you install the wheels and rubber feet.

FITTING THE WHEELS

1. On each wheel, slide the axle rod and washer through the centre hole in the wheel, as shown.

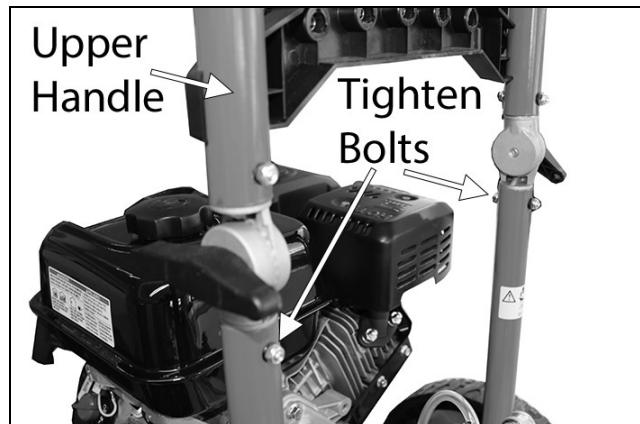


2. Slide each axle rod through the axle supports on the bottom of the frame and secure each wheel with the supplied 'R' clip.

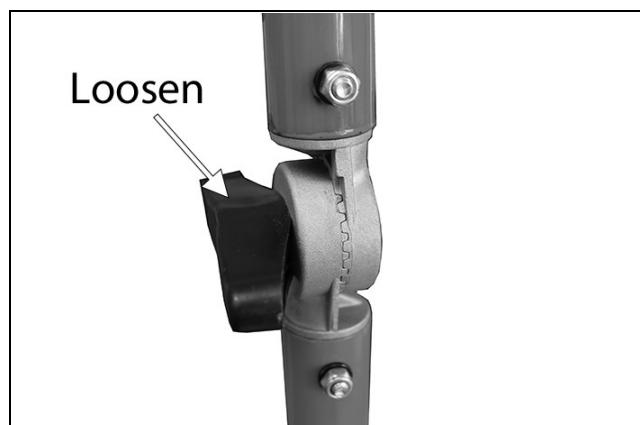


FITTING THE HANDLE

1. Slide the upper handle onto the frame struts.
2. Secure in place with the nut, bolt and washers supplied, using 8mm and 10mm open ended spanners.



3. The angle of the upper handle can be adjusted by loosening the two knobs on the sides and moving the handle to the required angle, and then re-tightening the knobs.

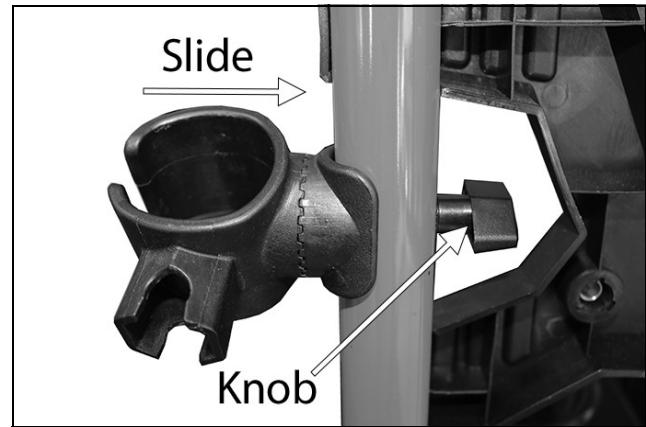


FITTING THE SPRAY GUN HOLDER

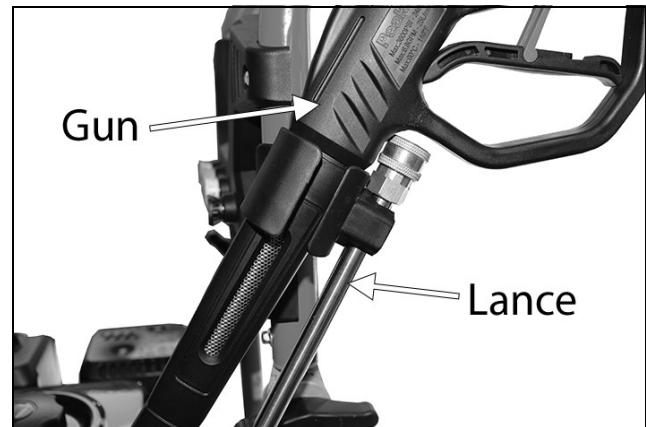
1. On the side of the upper handle are 3 holes for securing the holder as shown.



2. Place the holder over the 3 holes and slide the bolt through the middle hole and secure on the other side of the handle with the knob.

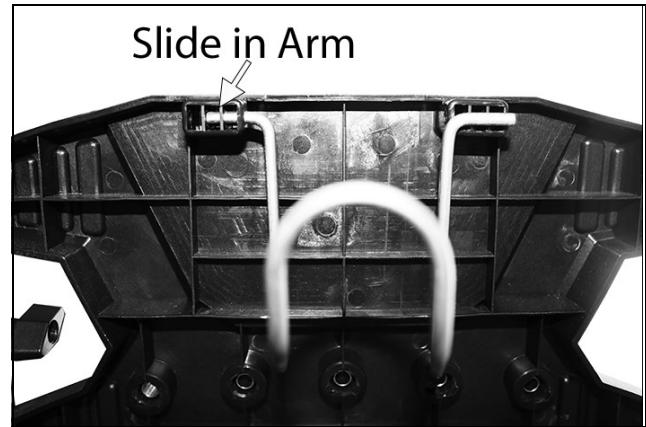


3. To store the spray gun, separate the lance from the gun and place in the holder as shown.

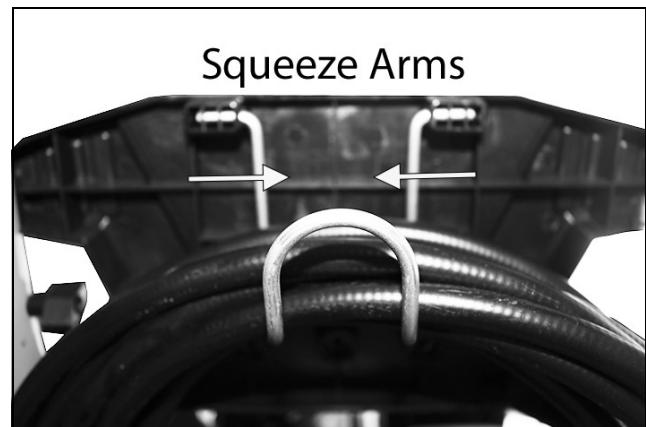


FITTING THE HOSE SUPPORT

1. On the backside of the nozzle panel, place one arm of the hose hook into the slot at the top, as shown.



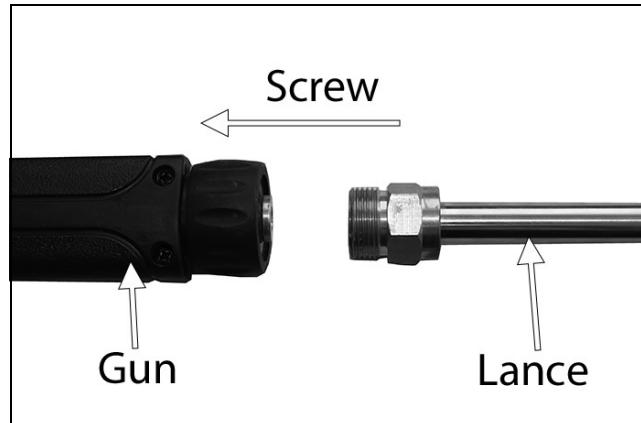
2. Squeeze the two arms of the hook together so the other arm can slide into the opposite slot, as shown.



CONNECTING THE GUN, LANCE & HIGH PRESSURE HOSE

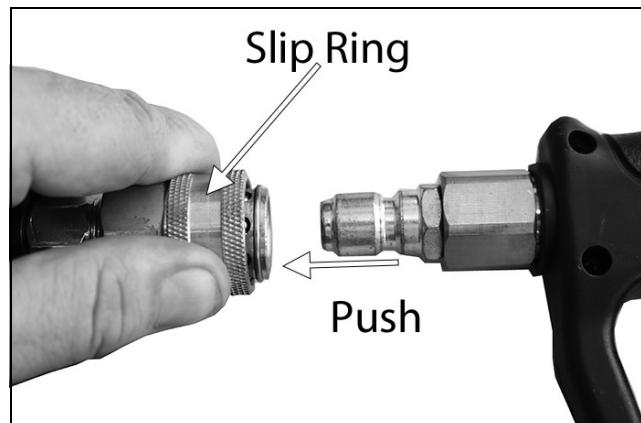
CONNECTING THE GUN AND LANCE

1. Screw the lance into the end of the gun as shown.



CONNECT THE HOSE TO THE GUN

1. Pull back the slip ring on the female quick release fitting of the high pressure hose.



2. Push the male quick release fitting on the gun handle into the female quick release on the hose.
3. Release the slip ring and make sure the connection is tight.



CONNECT THE HOSE TO THE PRESSURE WASHER

1. Screw the hose connector on to the pressure washer, as shown.

High Pressure Hose Connector

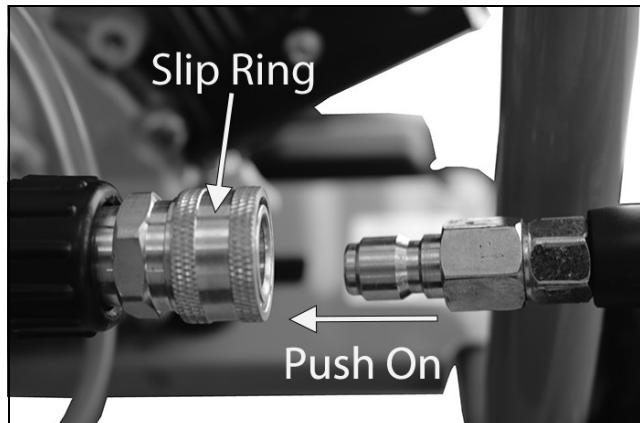


- Tighten the connector, hand tight only, **DO NOT** use a spanner.

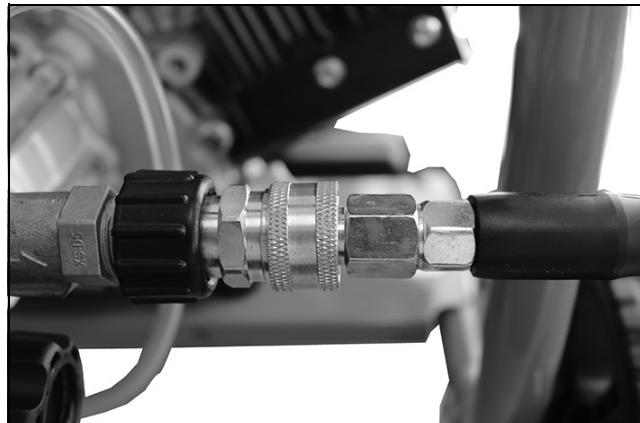
NOTE: Make sure the connection is secure.



2. Pull back the slip ring on the female quick release fitting of the connector.



3. Push the male quick release fitting on the hose into the female quick release on the connector.
4. Release the slip ring and make sure the connection is tight.



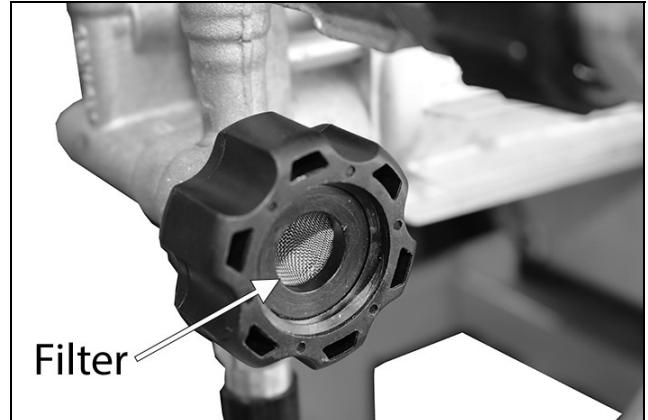
CONNECTING THE WATER SUPPLY

Always follow the regulations of your local water supplier. The pressure washer must never be connected to the drinking water supply without using a system separator (also known as a backflow preventer) available from most hardware, plumbing or garden stores.

NOTE: Water that has flowed through a system separator is considered non-drinkable.

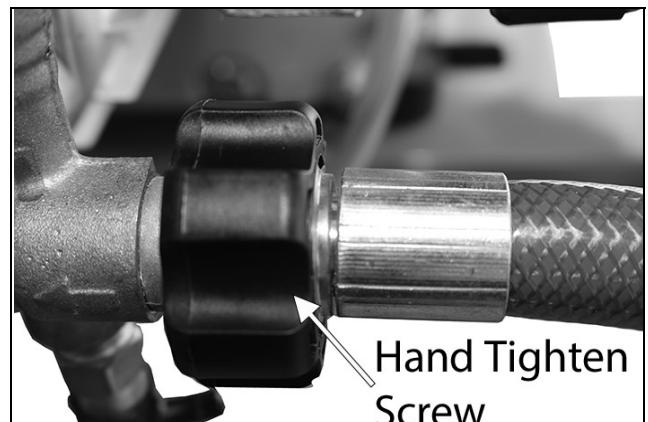
1. Make sure the water inlet has the water filter inserted before attaching the hose.

NOTE: DO NOT use if there is no water filter or the filter is damaged.

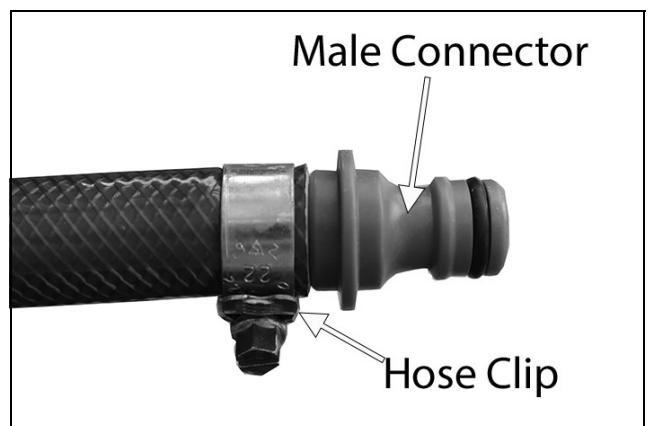


2. Connect the water supply hose to the water inlet by pushing the hose end that has the threaded connector into the water inlet and tightening the black screw.
 - Tighten the screw, hand tight only, **DO NOT** use a spanner

NOTE: Make sure the connection is secure.



3. Insert a male hosepipe connector (not supplied) into the other end of the water supply hose and secure using the hose clip supplied.
4. Connect the male hosepipe connector to a female hosepipe connector (not supplied) that is connected to a water source.



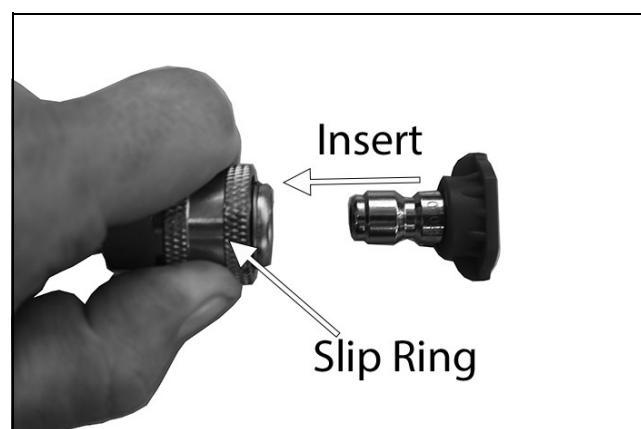
USING THE CORRECT NOZZLE

ATTACHING/CHANGING PRESSURE NOZZLES TO SPRAY LANCE

1. **ALWAYS** make sure the safety latch on the gun trigger is in the 'LOCKED' position before changing a nozzle.



2. Pull back the slip ring on the female quick release fitting of the spray lance.
3. Insert the male quick release fitting on the pressure nozzle into the female quick release on the spray lance.
4. Release the slip ring and twist. Listen for a click to ensure both quick release sections are coupled.
5. To remove a nozzle, repeat steps 1 - 4 in reverse order.

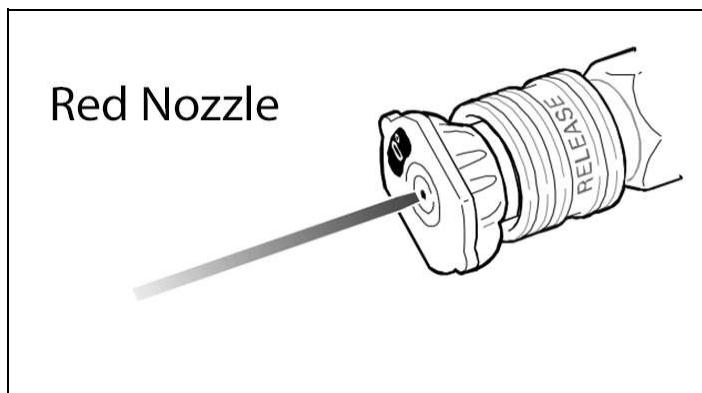


NOZZLE TYPES

The pressure washer comes with five spray nozzles. Each nozzle is colour coded and delivers a specific spray pattern and pressure for a particular cleaning job. The size of the nozzle determines the size of the fan spray and the pressure out of the nozzle.

0° NOZZLE - RED

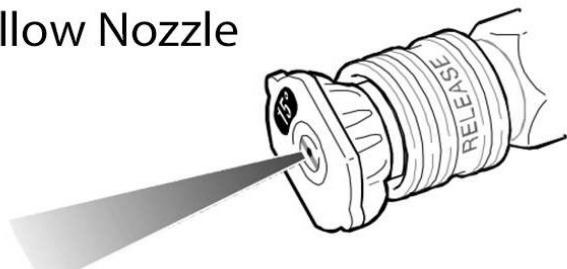
This nozzle delivers a pinpoint stream of pressurised water and is extremely powerful. It covers only a small area of cleaning. This nozzle should only be directed at surfaces that can withstand high pressure such as metal or concrete. **DO NOT** use this nozzle to clean wood.



15° NOZZLE - YELLOW

This nozzle delivers a powerful 15° spray pattern for intense cleaning of small areas. This nozzle should only be used on areas and materials that can withstand high pressure.

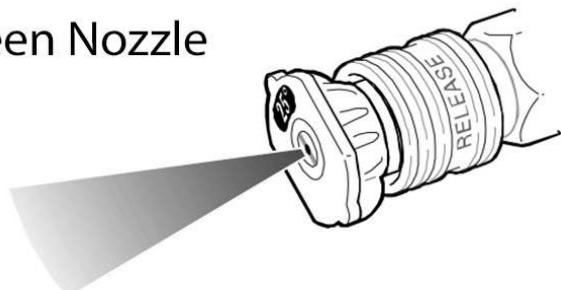
Yellow Nozzle



25° NOZZLE - GREEN

This nozzle delivers a 25° spray pattern for intense cleaning of larger areas. This nozzle should only be used on areas and materials that can withstand pressure from this nozzle.

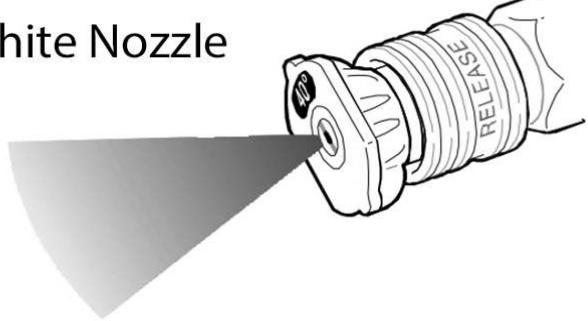
Green Nozzle



40° NOZZLE - WHITE

This nozzle delivers a 40° spray pattern and a less powerful stream of water. This nozzle can cover a wide area and should be used for most general cleaning jobs.

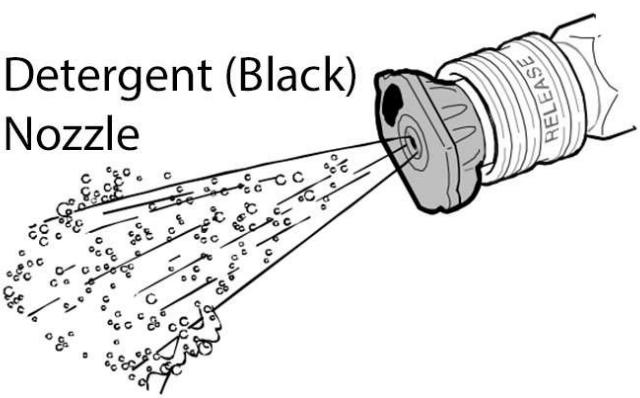
White Nozzle



DETERGENT NOZZLE - BLACK

This nozzle is used to apply special detergents and cleaning solutions. This nozzle produces the weakest pressure stream of the five nozzles.

Detergent (Black) Nozzle



BEFORE USE



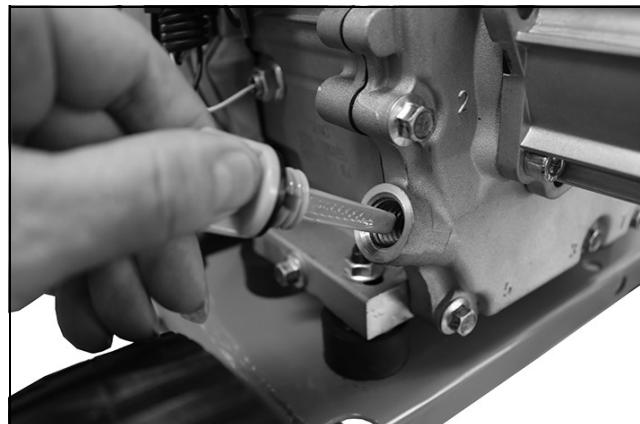
WARNING: STAND THE PRESSURE WASHER ON LEVEL GROUND WITH THE ENGINE SWITCHED OFF.

WARNING: THE OIL LEVEL SHOULD ONLY BE CHECKED WITH A COLD ENGINE. A HOT ENGINE WILL GIVE A FALSE READING.

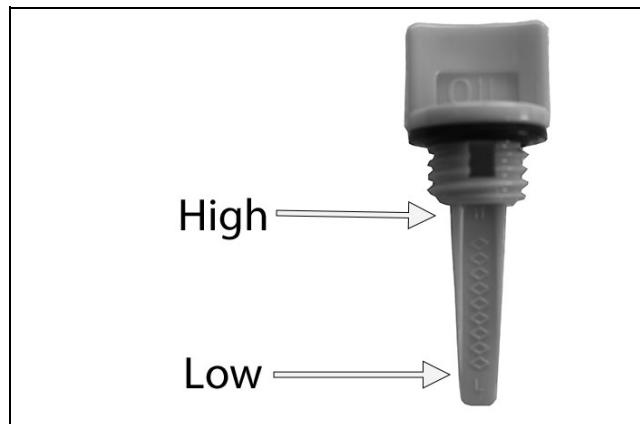
IMPORTANT: The engine is supplied without any oil in it and must be filled to the correct level before starting for the first time, see below.

ENGINE OIL

1. Turn the oil filler cap anticlockwise and remove it from the engine, wipe the integral dipstick with a clean cloth.



2. Insert the oil filler cap back into place and then remove it again.
3. If the oil reads low on the dipstick, using the oil funnel add oil to the oil reservoir (Max 0.6L).
 - We recommend the use of SAE10W-30 oil.
 - **DO NOT** overfill the oil reservoir.
4. Replace the oil filler cap.



NOTE: Running the engine with insufficient oil will cause engine damage.

NOTE: LOW OIL SENSOR: To prevent engine damage caused by an insufficient amount of oil in the crankcase, the engine is equipped with a low oil sensor. If the oil is below the safe amount, the sensor will activate and will prevent the engine start up or will stop the engine running. If the pressure washer shuts off and the oil level is within specifications, check to see if the washer is sitting at an angle. Place on an even surface to correct this. If the engine fails to start, the oil level may not be sufficient to deactivate the sensor. Add oil as described above.

FUEL



WARNING: REFUEL IN A WELL-VENTILATED AREA, AWAY FROM ANY SOURCES OF IGNITION.

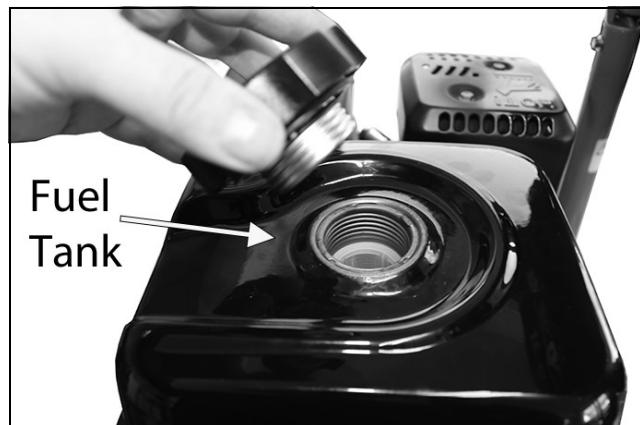
WARNING: IF THE ENGINE HAS BEEN RUNNING, ALLOW IT TO COOL BEFORE REFUELING.

WARNING: DO NOT LEAVE FUEL WITHIN THE REACH OF CHILDREN.

WARNING: REFUEL CAREFULLY TO AVOID SPILLING FUEL.

1. Remove the fuel tank cap.

- Just inside the fuel tank is a fuel filter, which should be checked periodically and any contaminants which have accumulated must be removed.

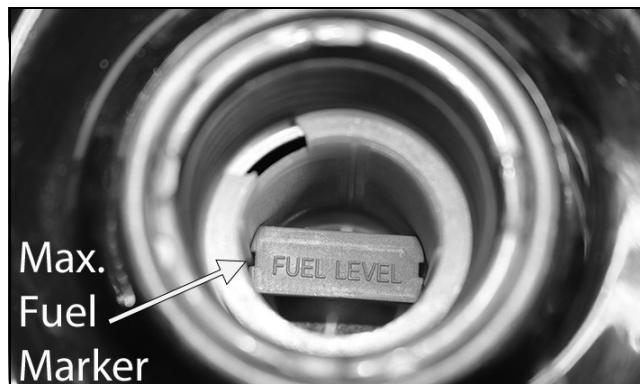


2. Pour unleaded petrol through the fuel filter and into the fuel tank.



- **DO NOT** fill above the red fuel filter marker.
- Use unleaded petrol with a pump octane rating of 86 or higher.

3. Replace the fuel filler cap securely.



STARTING YOUR PRESSURE WASHER.

WARNING: FAILURE TO TURN ON THE WATER COULD CAUSE DAMAGE TO THE PRESSURE WASHER.



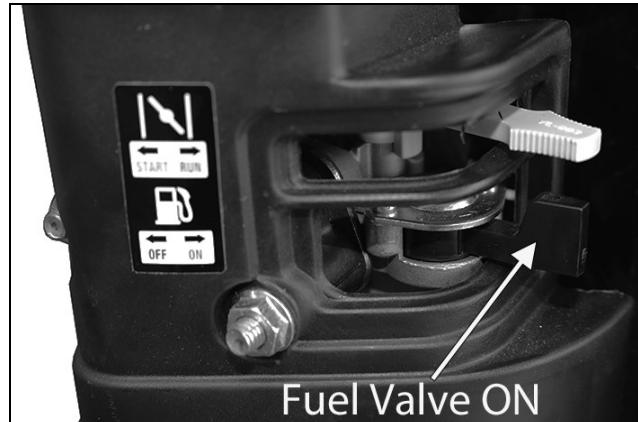
PRIOR TO STARTING PRESSURE WASHER

Make sure that you have done the following

1. Selected the correct nozzle for the job at hand, see pages 15-16
2. Attached the washer to a water source and turned the source on, see page 14
3. You are wearing the appropriate protective equipment and clothing.
4. The washer is outside in a fully ventilated area.
5. The washer is on a flat and level surface and close to the work area. Keep a minimum of 5ft (1.5m) clearance on all sides of the engine including the top. Make sure the exhaust is pointing away from any buildings.

STARTING THE PRESSURE WASHER

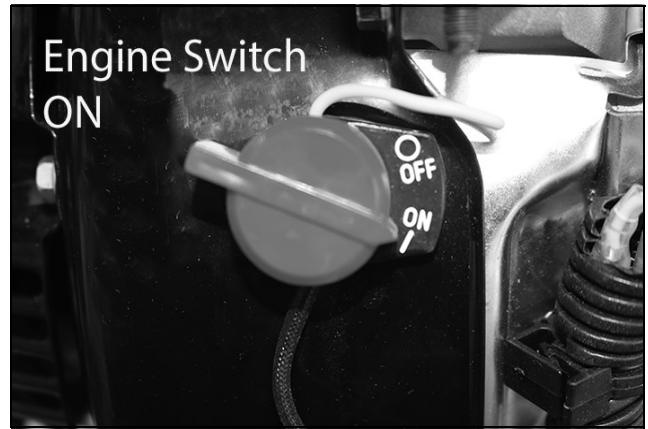
1. Slide the Fuel Valve Lever to the 'ON' position to allow the fuel to flow to the engine.



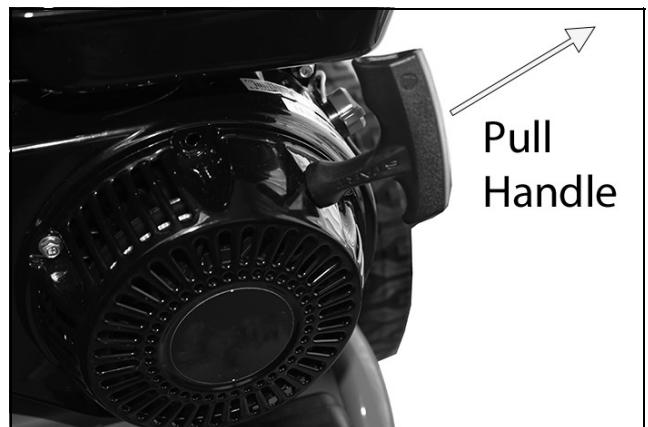
2. Slide the Choke Lever to the 'START' position.



3. Turn the Engine Switch clockwise to the 'ON' position.



4. Point the spray gun in a safe direction and squeeze the trigger to release any pressure that may be in the system.
5. To start the engine, pull the Starter Handle slowly until resistance is felt, then pull rapidly to avoid kick back. Repeat until the engine starts to run.
6. Slowly return the Starter Handle to its original position to avoid injury/damage as it recoils.



7. Once the engine has been running for a few minutes, move the Choke Lever to the 'RUN' position.
 - The pressure washer is now ready to be used.



8. Move the trigger lock to the 'UNLOCKED' position.
9. Ensuring that you have a firm footing and that you are also holding the gun assembly and spray lance firmly, pull the trigger on the gun to start water flow.
 - The lance and gun will kick back when the trigger is first pulled.



INTERRUPTING OPERATION

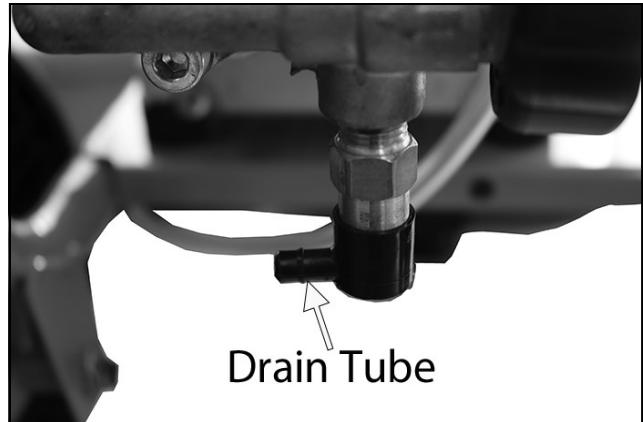
1. Release the trigger on the spray gun.

NOTE: The pressure washer will automatically go into bypass mode.



WARNING: DO NOT ALLOW THE UNIT TO OPERATE IN BYPASS MODE FOR MORE THAN TWO MINUTES AT ANY TIME. TURN THE UNIT OFF IF IT IS NOT GOING TO BE USED FOR LONGER THAN THIS. SEE PAGE 22.

NOTE: If you notice water coming from the drain tube at the bottom of the pump, please note that this is a safety feature and should be expected, it cools the pump by releasing some of the hot water within the pump and replacing it with fresh 'cool' water.



2. Move the trigger lock to the 'LOCKED' position.



APPLYING DETERGENTS AND CLEANING AGENTS



CAUTION: IF YOU GET DETERGENT/CLEANING AGENT IN YOUR EYES, RINSE THEM IMMEDIATELY WITH PLENTY OF FRESH CLEAN WATER. AND SEEK MEDICAL ADVICE IF REQUIRED.

To improve the cleaning performance, you can introduce chemical cleaning agents (detergents) to the water jet using the detergent pickup tank and hose.

1. Attach the 'BLACK' nozzle to the spray gun lance, see pages 14-15.

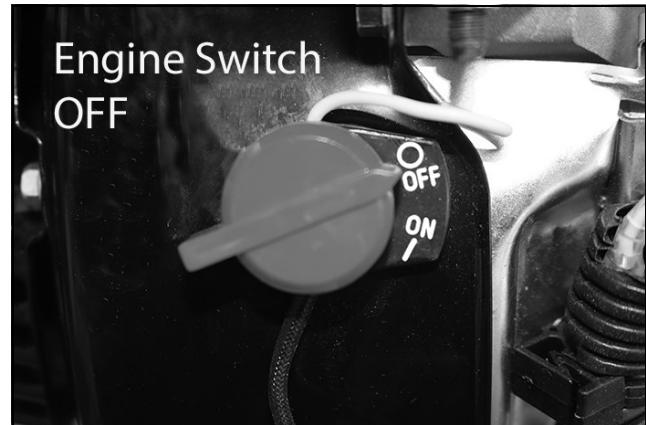
2. Remove the detergent tank cap.
3. Fill the tank with a suitable quantity (maximum 2 litres) of cleaning detergent and replace the cap.
 - Only use detergents recommended for use with pressure washers, such as CLARKE products listed below, all available from your CLARKE dealer, see page 39.



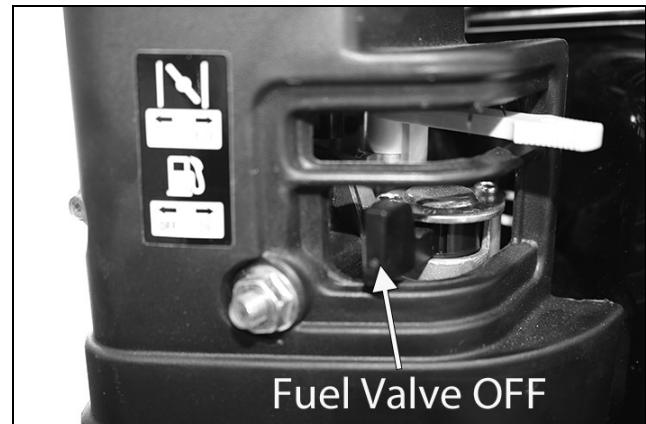
4. Spray the detergent onto the vehicle, patio etc.
 - Allow the detergent a little time to work itself into the grime.
 - To rinse, change the nozzle on the lance to either the red, yellow, green or white one, depending on the work requirement, see pages 14-15, and use the pressure washer as normal.

SHUTTING DOWN YOUR PRESSURE WASHER

1. To stop the engine, turn the Engine Switch to the 'OFF' position.



2. Slide the Fuel Valve Lever to the left to the 'OFF' position.
3. Turn off the water supply and disconnect the garden hose from the pressure washer.
 - **NEVER** turn the water off with the engine running.
4. Release the pressure in the pump and hose by squeezing the trigger for a few seconds until no more water comes out of the nozzle.
5. Move the trigger lock to the 'LOCKED' position.



STORAGE

1. Disconnect the high pressure hose and inlet hose and drain all water from the hoses.
2. Coil the hoses and store on the hose hook on the rear of the washer.
3. Dismantle and store the gun/lance in the holder located on the side frame of the pressure washer.

STORAGE PROCEDURE

Make sure that the pressure washer has been thoroughly cleaned before storing it in a clean dry place.

LONG TERM STORAGE

For long term storage;

1. The petrol tank should be drained.
 - Ensure that the engine is cold before draining the tank.
2. Remove the fuel tank cap and use a pump type syphon to drain the petrol into an appropriate, clean container.
 - **DO NOT** store petrol for long periods of time.
 - Dispose of excess petrol and oil in an environmentally safe way. Your local recycling centre can advise you on the best method of disposal.
3. After the petrol tank has been drained, start the engine and allow it to use any petrol that may remain in the engine, or fuel pipe.
4. Make sure that the pressure washer has been thoroughly cleaned before storing it in a clean dry place.

MAINTENANCE

Some adjustments will need to be made periodically to properly maintain the pressure washer. All service and adjustments should be made at least one time each season. It is important that the maintenance chart below is followed:

Item	Action	Frequency			
		Each Time of Use	Every 3 Months or 50 Hrs	Every 6 Months or 100 Hrs	Every Year or 300 Hrs
Engine Oil (Page 16)	Check Level	*			
	Replace			*	
Air Filter (Page 26-27)	Check	*			
	Clean		*	**	
	Replace				*
Detergent Tank (Page 28)	Clean			*	
Spark Plug (Page 27-28)	Clean - Adjust			****	
	Replace				*
Fuel Filter (page 26)	Check - Clean		*		
Fuel Supply Line	Check	Every Two Years (Replace if Necessary***)			
Nozzles (Page 25)	Check	*			
	Clean	If and When Required			
Water Inlet Filter (Page 25)	Check	*			
	Clean	If and When Required			

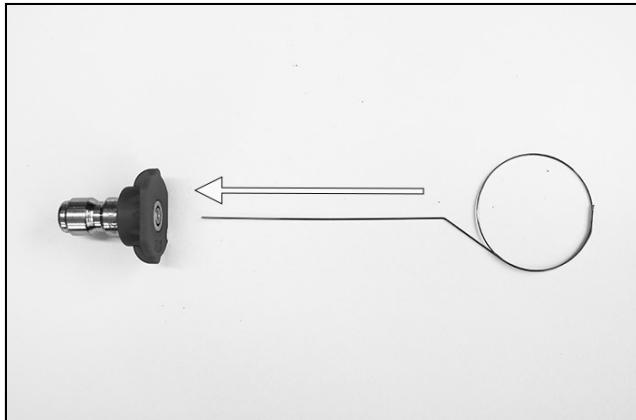
- ** = Recommended to be performed more often than in the schedule if operated in a dusty environment.
- *** = Recommended to be performed by a CLARKE authorized dealer.
- **** = Adjust air gap to 0.6 - 0.7 mm.

CLEANING THE NOZZLES

1. Switch off the pressure washer and the water supply.
2. Pull the trigger to release any water pressure.
3. Move the trigger lock to the 'LOCKED' position.
4. Disconnect the nozzle from the lance.

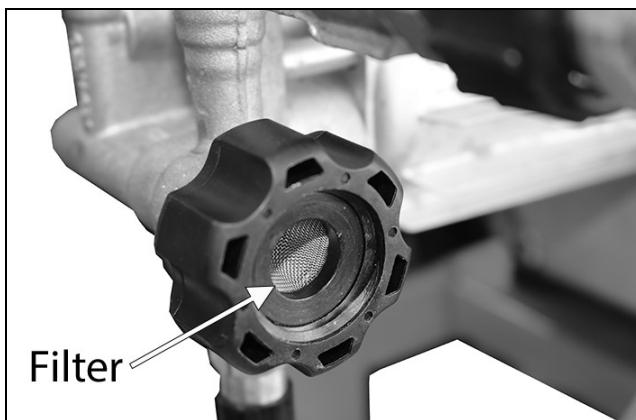


5. Remove all blockages with the nozzle cleaning tool provided and back flush with clean water.
6. Reconnect the nozzle and lance, turn on the water supply and restart the washer.



CLEANING THE WATER INLET FILTER

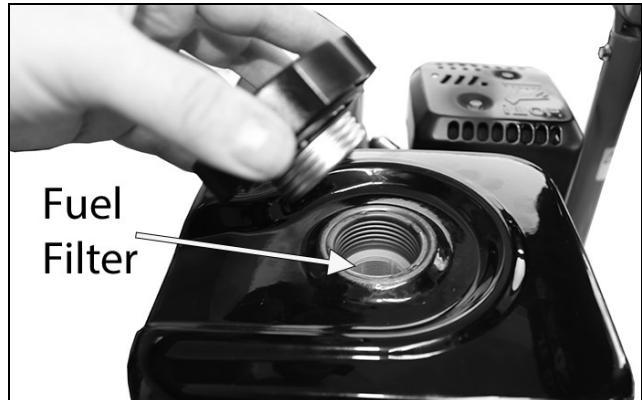
1. Remove the filter from the water inlet of the pump.
2. Clean the filter by flushing both sides with water.
3. Replace the filter into the water inlet.
 - **DO NOT** operate without the filter properly installed or damaged.



CLEANING THE FUEL FILTER

Just inside the fuel tank is a fuel filter, check this periodically and remove any contaminants which may have accumulated.

1. Open the fuel tank cap.



2. Remove the fuel filter.
3. Flush away any contaminants.
4. Replace the fuel filter.
 - **DO NOT** operate the pressure washer without the fuel filter properly installed or damaged.



CLEANING THE AIR FILTER

1. Loosen the screw on top of the air filter cover.
2. Remove the air filter cover.



3. Loosen and remove the wingnut holding the air filter in place.
4. Remove the air filter element.
5. Thoroughly vacuum the filter and check for any damage.
 - If the air filter is damaged contact CLARKE spare parts department for a replacement.
6. Replace the filter into its original position and reattach the air filter cover.

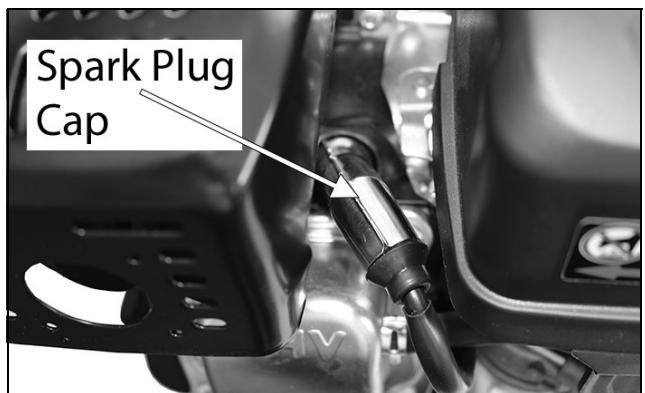


CHANGING THE SPARK PLUGS

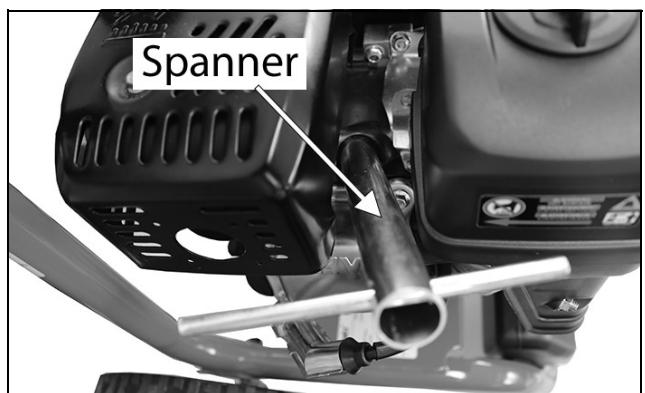


CAUTION: ALLOW THE ENGINE AND MUFFLER TO COOL BEFORE REMOVING THE SPARK PLUG.

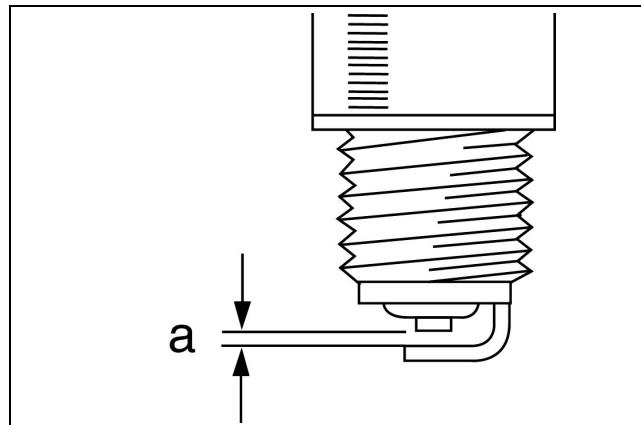
1. Remove the spark plug cap from the spark plug.



2. Use the supplied spark plug spanner to remove the spark plug.
3. Remove any carbon that has accumulated around the spark-plug.



4. Check the overall condition of the spark plug and replace if necessary.
5. Check the spark plug gap (a), it should be between 0.6 and 0.7 mm, adjust if necessary.
6. Reinstall the spark plug and refit the spark plug cap.



CLEANING THE DETERGENT TANK



CAUTION: LEAVING CHEMICALS AND DETERGENTS INSIDE THE PRESSURE PUMP COULD DAMAGE IT.

1. Turn off the engine and fill the detergent tank with clean water.
2. Remove the Black detergent nozzle and replace with the White nozzle.
3. Turn on the pressure washer.
4. Point the spray gun in a safe direction and squeeze the trigger to flush the clean water through the detergent tank and the system until it is thoroughly clean.

TROUBLESHOOTING

If the following does not solve your problem contact the CLARKE service dept.

PROBLEM	CAUSE	SOLUTION
Engine will not start (see engine manual for further engine troubleshooting)	No fuel.	Add fuel, see page 17.
	Low oil.	Add oil, see page 16.
	Pressure builds up after two pulls on the recoil starter or after initial use.	Squeeze the gun trigger to relieve the pressure.
	Spark plug lead not attached.	Attach the spark plug lead.
	Engine switch is in the OFF position.	Set the engine switch to the ON position.
	Choke lever is set to the ON position when the engine is already warm.	Set the choke lever to the OFF (right) position.
Oil leaking at the pump	Fuel valve closed.	Open the fuel valve.
	Oil seals worn.	Have them replaced by your dealer.
Lack of pressure (initial use)	Worn O-rings.	Have them replaced by your dealer.
	Leak in the high pressure hose fitting.	Tighten the fitting, use sealant tape if required.
	Nozzle is obstructed.	Clear the nozzle.
	Water filter screen is clogged.	Remove and clean the filter.
	Air in the hose.	Turn off the engine. Turn off the water supply. Disconnect the water source from the pump inlet and turn on the water source to expel the air from the hose. When all the air has been removed, turn off the water supply and reconnect the hose. Turn on the water supply and pull the trigger to expel any air in the gun/lance.

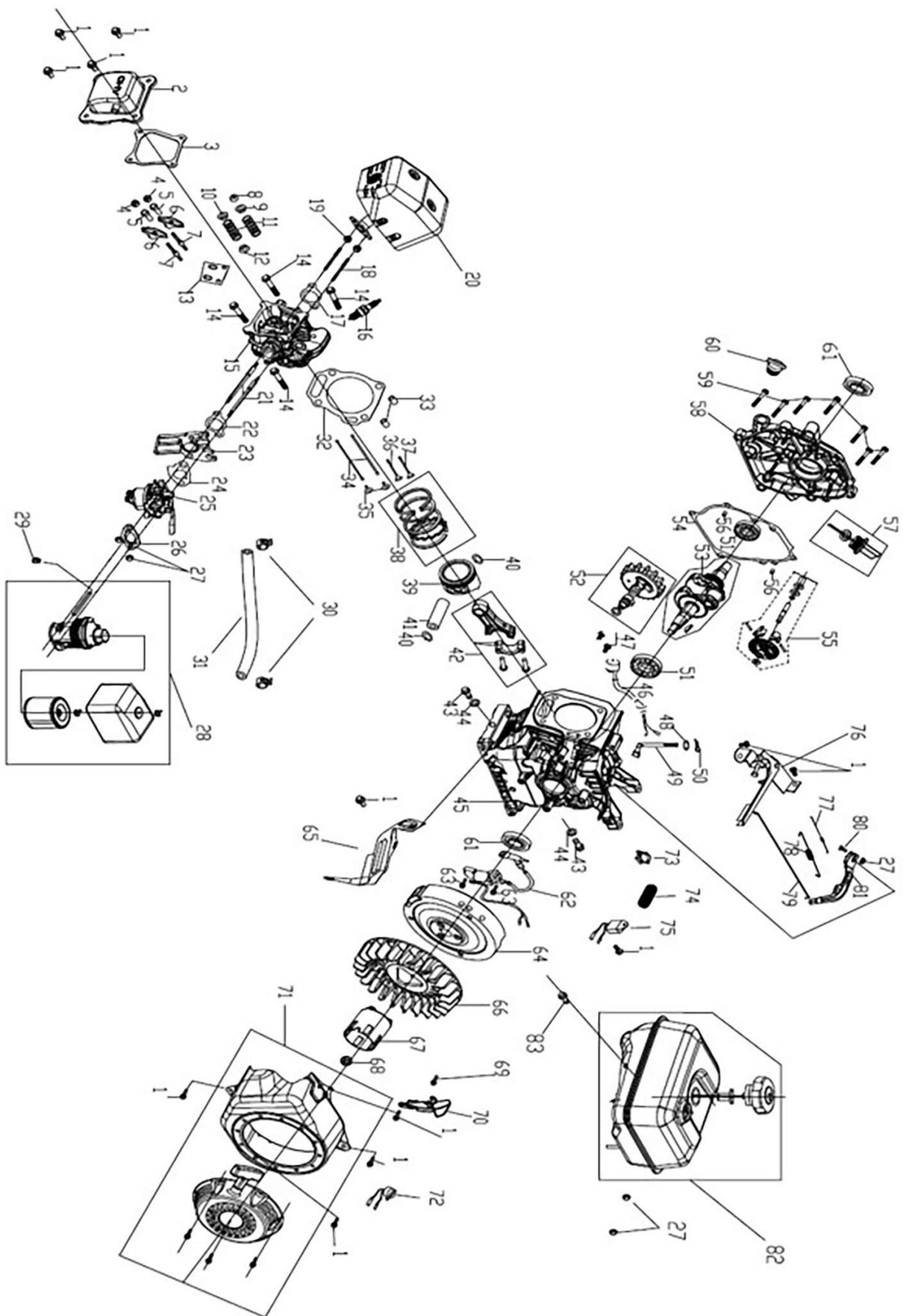
PROBLEM	CAUSE	SOLUTION
Lack of pressure (initial use)	Choke lever is in the ON position.	Set the choke lever to the OFF position.
	Throttle control lever is not set high enough.	Move the throttle control lever to left.
	High pressure hose is too long.	Make sure the high pressure hose is under 100 feet.
Will not draw detergent	Chemical pipe is blocked.	Clean the pipe.
	Detergent being used is too thick.	Dilute the detergent which should have the consistency of water.
	High pressure hose is too long.	Use a longer supply hose instead of a longer high pressure hose.
	Detergent build up inside the detergent injector.	Have the parts cleaned or replaced by your dealer.
Lack of pressure (after a period of normal use)	Worn seal or packing.	Have them replaced by your dealer.
	Worn or obstructed valves.	Have them replaced by your dealer.
Water leaking from the drain hose	Pump is overheating	This is a safety feature and should be expected. It cools the pump by releasing some of the hot water within the pump and replacing it with fresh 'cool' water.
Water leaking at the pump	Loose connections.	Tighten.
	Piston rings worn.	Have it replaced by your dealer.
	Damaged O-rings.	Have it replaced by your dealer.
	Pump head or tubes damaged from freezing.	Have it replaced by your dealer. See 'Storage' on page 23.
Pump pulsates	Nozzle obstructed.	Clear the nozzle.

GLOSSARY

Bypass Mode	NEVER leave the unit running for more than 2 minutes without squeezing the spray gun trigger. Doing so could damage the pump and void the warranty.
Detergents	Only use soaps and chemical detergents designed for pressure washer use
	Use the Black detergent nozzle when using a detergent
Engine	DO NOT adjust or attempt maintenance without consulting the supplied engine manual or having adjustments made at an authorized service centre
	Add stabilizer to the fuel tank and let the engine run for 5 minutes before storing for any length of time.
	ALWAYS turn on the water supply before starting the engine
Fuel	Use fresh high quality unleaded petrol (minimum E10)
	Safe maximum fuel quantity for the tank is 2.3 litres
	Add stabilizer to the fuel tank and run the engine for 5 minutes before storing for any length of time.
GPM	Gallons per minute (litres per minute, metric) - common unit of measurement used for the flow rate of water.
Hose	DO NOT allow the hoses to come into contact with the engine muffler during or immediately after use
	DO NOT pull the unit by the pressure hose
Nozzles	ALWAYS keep nozzles unclogged
Oil	Use only SAE10W-30 non-detergent oil
	Maximum oil quantity for the engine is 600ml
Pressure Adjustment	The pressure setting has been preset at the factory
PSI	Pounds per square inch - common unit of measurement used for water pressure, air pressure, hydraulic pressure and pounds of force.
Pump	Squeeze the spray gun trigger every 2 minutes while the engine is still running
	DO NOT allow water to freeze in the pump

Storage	Before storage, run clean water through the detergent tank and inlet pipe
	Add stabilizer to any remaining fuel in the fuel tank
	DO NOT allow water to freeze in the pressure pump, spray gun, lance or hoses
Thermal Release Valve	When in Bypass Mode, this valve releases a jet of water to prevent the water temperature from reaching harmful levels that may damage the pump. Once the water has cooled, the thermal relief valve will reset itself. DO NOT allow the pump to run without using the spray gun for more than 5 minutes.
Water	Use only cold water
	DO NOT operate the pressure washer with a clogged, missing or damaged water inlet filter, see page 25
	DO NOT operate the pressure washer without adequate water supply to the pressure pump. Adequate water supply should be a minimum of 18.92 l/min (1135.2 l/hr) / 5 GPM

EXPLODED DIAGRAM



COMPONENT PARTS LIST

NO	DESCRIPTION
1	M6 x 12 Bolt x 13
2	Head Cover
3	Head Cover Gasket
4	Nut, Valve Adjusting x 2
5	Rocker Shaft x 2
6	Rocker Arm x 2
7	Bolt Valve x 2
8	Rotator Valve
9	Retainer Valve Spring
10	Retainer Valve Spring
11	Spring Valve x 2
12	Oil Intake Shield
13	Push Rod Guide Plate
14	M8 x 50 Bolt x 2
15	Cylinder Head
16	Spark Plug
17	Muffler Washer
18	Exhaust Bolt, Stud x 2
19	M8 Nut x 2
20	Muffler Assembly
21	Intake Bolt, Stud x 2
22	Inlet Gasket
23	Carburetor Connector
24	Carburetor Washer
25	Carburetor
26	Air Filter Gasket
27	Flange Nut x 2
28	Air Filter Assembly
29	Tube Clip
30	Clip

NO	DESCRIPTION
31	Fuel Pipe
32	Cylinder Gasket
33	Dowel Pin x 2
34	Push Rod x 2
35	Lifter Valve x 2
36	Intake Valve
37	Exhaust Valve
38	Piston Ring Set
39	Piston
40	Piston Pin Clip x 2
41	Piston Pin
42	Connecting Rod Assembly
43	M10 x 15 Bolt x 2
44	Washer x 2
45	Crankcase
46	Engine Oil Sensor
47	M6 x 16 Bolt x 2
48	Washer
49	Governor Shaft
50	Lock Pin
51	Bearing x 2
52	Camshaft Assembly
53	Crankshaft Assembly
54	Crankshaft Cover Gasket
55	Governor Gear Kit
56	Dowel Pin x 2
57	Dipstick Assembly
58	Crankshaft Cover
59	M8 x 32 Bolt x 6
60	Oil Cap Assembly

NO	DESCRIPTION
61	Oil Seal x 2
62	Engine Switch Wire
63	Flange Bolt x 2
64	Flywheel
65	Side Shell
66	Cooling Fan
67	Starter Pulley
68	Special Nut
69	Flange Bolt
70	Side Shell
71	Recoil Starter
72	Engine Switch

NO	DESCRIPTION
73	Non Return Valve Clip
74	Bellows
75	Oil Alarm
76	Speed Control Assembly
77	Throttle Return Spring
78	Cable Return Spring
79	Governor Rod
80	Bolt
81	Speed Control Handle
82	Fuel Tank Assembly
83	Flange Bolt x 2

DECLARATIONS OF CONFORMITY - UKCA



DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following legislation:

2000/14/EC	Outdoor Noise Directive	EN 60335-1-2:2012/A15:2021, EN 60335-2-79:2012, EN 62321-7-1:2015, EN 62321-7-2:2017,
2014/30/EU	Electromagnetic Compatibility Directive	EN 62321-3-1:2014, EN ISO 12100:2010, EN ISO 14982:2009, EN ISO 3744:1995,
2006/42/EC	Machinery Directive	EN 62321-1:2013, EN 62321-2:2014, EN 62321-4:2014, EN 62321-5:2014,
2017/65/EU	Restriction of Hazardous Substances (RoHS) Directive	EN 62321-6:2015, EN 62321-8:2017

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned legislation has been compiled and is available for inspection by the relevant enforcement authorities.

The UKCA mark was first applied in: 2025

Manufacturer:	Clarke International Ltd, Hemnall Street, Epping, Essex, CM16 4LG, United Kingdom	Notified Body:	N/A
Product Description:	Power Washer	Assessment Procedure:	Annex V of above noise legislation
Model Number(s):	TIGER 3200	Measured LWA:	104.9 dB
Serial/Batch Number:	Refer to product/packaging label	Guaranteed LWA:	107 dB
Document Holder:	Alan Pond	Signed:	J.A Clarke Director
Date of Issue:	14/05/2025		

DECLARATIONS OF CONFORMITY - CE



Clarke
INTERNATIONAL[®]

DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following legislation:

2000/14/EC
Outdoor Noise Directive
2014/30/EU
Electromagnetic Compatibility Directive
2006/42/EC
Machinery Directive
2011/65/EU
Restriction of Hazardous Substances (RoHS) Directive
EN 60335-1:2012/A15:2021, EN 60335-2-79:2012, EN 62321-7-1:2015, EN 62321-7-2:2017, EN 62321-3-1:2014, EN ISO 12100:2010, EN ISO 14982:2009, EN ISO 3744:1995, EN 62321-1:2013, EN 62321-2-2:2014, EN 62321-4:2014, EN 62321-5:2014, EN 62321-6:2015, EN 62321-8:2017

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned legislation has been compiled and is available for inspection by the relevant enforcement authorities.

The CE mark was first applied in: 2025

Manufacturer:	Clarke International Ltd, Fitzwilliam Hall, Fitzwilliam Place, Dublin 2, Republic of Ireland	Notified Body:	N/A
Product Description:	Power Washer	Assessment Procedure:	Annex V of above noise legislation
Model Number(s):	TIGER 3200	Measured LWA:	104.9 dB
Serial/Batch Number:	Refer to product/packaging label	Guaranteed LWA:	107 dB
Document Holder:	Alan Pond	Signed:	 J.A Clarke
Date of Issue:	14/05/2025	Director:	

SPECIFICATIONS

Model	Tiger 3200
Engine Model	AP170F
Power & RPM	7hp / 4.0kW / 3600rpm
Engine Type & Size	Petrol (unleaded), 208cc
Starting System	Pull / Recoil
Safe Fuel Tank Capacity (L)	2.3
Fuel Consumption (L/Hr)	0.9 Approx.
Oil Capacity (L) & Grade	0.6 / SAE10W-30
Input Water Temperature	0°C - 40°C
Max Flow Rated/Measured (l/min)	8.7 / 9.7
Maximum Pressure	3200 Psi / 220 Bar
Working Pressure	2700 Psi / 186 Bar
Detergent Tank Capacity (L)	2.5
IP Rating	IP20
Max. Dimensions (D x W x H)	540mm x 510mm x 1020mm
High Pressure Outlet Hose Length (metres)	10
Water Supply Inlet Hose Length (metres)	3
Weight (kg)	30
Sound Pressure Level dB (A)	91
Sound Power Level dB (A)	104.9
Guaranteed Sound Pressure Level dB (A)	107
Uncertainty Factor LWA dB	2.5
Engine Emissions (CO/HC/Nox/HC+Nox/CO2) g/kWh	282.89/3.74/3.15/6.88/ 730.70

ASSOCIATED PRODUCTS

	<p>Concentrated Traffic Film Remover, 5 Litres. Can be used to clean grime off all vehicles. It can also clean engines and chassis. Part Number: 3050821</p>
	<p>Heavy Duty Snow Foam, 5 Litres. Can be used to lift the toughest dirt. Suitable for off-road vehicles, tractors, trucks and motorcycles. Part Number: 3050807</p>
	<p>Premium Snow Foam with Cherry Fragrance, 5 Litres. Contains finishing gloss treatment. Contains no caustic or harmful chemicals and will easily clean and leave a premium gloss finish. Part Number: 3050806</p>
	<p>Economy Snow Foam with Cherry Fragrance, 5 Litres. Contains finishing gloss treatment. Contains no caustic or harmful chemicals and will easily clean and leave a gloss finish. Part Number: 3050805</p>
	<p>Wash & Wax Car Shampoo, 2 Litres. Penetrates dirt and grime. With added foam booster, lifts any damaging particles to leave a glossy finish on chrome and bodywork. Part Number: 3050817</p>

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AIR COMPRESSORS

From DIY to industrial, Plus air tools, spray guns and accessories.

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

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