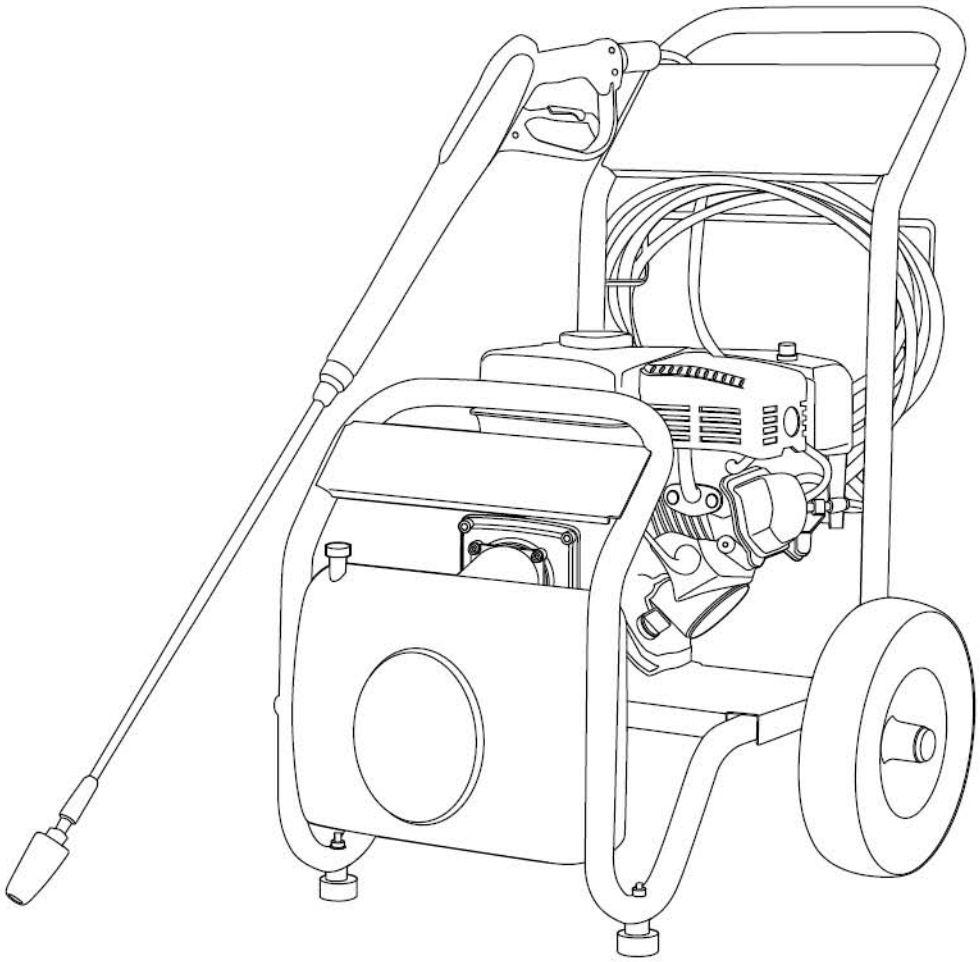
8HP HIGH PRESSURE WASHER

USER MANUAL



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PREFACE

Thanks for purchasing our latest model High Pressure Washer. Whether it be for light rinsing or for power stripping, this pressure washer is built for quick and easy high speed cleaning. To get the most out of your purchase, please read the manual before use.

We ask you to please read this manual carefully beforehand in order to familiarise yourself with this product and after reading, please store this instructional manual for future reference. Failure to follow the proper protocols listed in the manual may cause personal injury to the operator or damage to equipment.

The following symbols are used throughout this manual. Please note these icons as they will be consequential to your personal safety during use.

DANGER

Indicates a hazardous situation which, if not avoided, will result in death or serious injury.

WARNING

Indicates a hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

GENERAL PRECAUTIONS

This pressure washer is designed for very specific applications. Do not modify or use it for any application other than for which it is designed.

- Never operate when there is:
  - a noticeable change in engine speed.
  - a noticeable loss of pressure
  - an engine misfire.
  - smoke or flames present.
  - in an enclosed compartment.
  - excessive vibration.
  - rain or inclement weather.

- The pressure washer is for outdoor use only. Never use indoors or without adequate ventilation.
- All equipment must be placed on a firm, level and stable surface.

- Keep the pressure washer clean and free of oil, mud and dirt.
- Prior to starting the pressure washer in cold weather, be sure ice has not formed in any part of the equipment.

- While operating the pressure washer, do not wear loose clothing, jewellery, or anything that may be caught in the engine.
- Wear safety goggles while operating.

- Never directly spray the hose at people or animals.
- Never allow children to operate the pressure washer at any time.

- Remove the spark plug to prevent accidental starting when not in use, or prior to detaching the high pressure hose.
- To prevent accidental discharge, the spray gun should be secured by locking the trigger when not in use.
- Do not run the pressure washer for more than two minutes without depressing the trigger or damage to the pump may result.
- **Test the pressure washer on a small inconspicuous area first. Some surfaces can be damaged by high water spray such as paint which can be removed with enough pressure spray.**

FUEL SAFETY

WARNING

- Store the pressure washer in a well-ventilated area with the fuel tank empty.
- Fuel should not be stored near the pressure washer.
- Check the fuel system periodically for leaks or signs of deterioration such as chafed or spongy hose, loose or missing clamps or a damaged tank or cap. All defects should be fixed before operation.
- Service, operate and refuel under the following conditions:
  - Good ventilation
  - Refuel the pressure washer in a well-lighted area
  - Avoid fuel spills and never refuel while the pressure washer is running
  - Avoid an ignition source when refueling.
- Use lead free fuel with a minimum of 85 octane.

HOSE SAFETY

- Use both hands to control the wand.
- Do not allow the hose to come in contact with the hot muffler.
- Do not touch the nozzle or water spray while operating.
- Water spray must never be directed towards any electric wiring or directly towards the pressure washer.
- Only approved hoses and nozzles should be used.
- The trigger gun must not be jammed in position during operation.
- Never tie knots or kink the high pressure hose.
- Do not use damaged high pressure hoses.
- All hose connections must be properly sealed.

SAFETY FEATURES

THERMAL RELIEF VALVE

A thermal relief valve is provided to protect the pump from overheating if the spray gun is closed for an extended length of time or the nozzle becomes plugged. However it is only intended to be used as a backup system and every effort should be made to ensure that you pull the spray gun trigger to allow water flow so that there are no blockages in the system.

SAFETY LATCH FOR THE TRIGGER

To prevent accidental discharge of high pressure water, the safety latch on the trigger should be engaged whenever the pressure washer is not in use.

LOW-OIL SHUTDOWN

Some engines are equipped with low-oil shutdown. If the engine oil level becomes lower than required, the pressure washer will automatically shut off. This protects your pressure washer engine from operating without proper lubrication.

If the pressure washer engine shuts off and the oil level is adequate, the pressure washer may be sitting at a tilted angle. Place the pressure washer on an even surface to correct this. If the engine fails to start, the oil level may not be sufficient to deactivate low oil level switch. In this case, refuel your pressure washer to normative levels.

CAUTION 

Do not allow the pump to recirculate for more than two minutes as this will cause overheating that may lead to damage.

NOTE 

The engine and pump on your pressure washer will often improve performance after a break-in period of several hours.

ASSEMBLY & START-UP

PRE-START PREPARATION

Before starting the pressure washer, check for loose or missing parts and for any damage which may have occurred during shipment.

HOSE AND GUN ASSEMBLY

1. Attach the hose to the inlet of the trigger gun. Assemble the gun/lance/wand as needed.

2. Make all connections carefully to prevent damaging outlets during assembly. Tighten the connections securely to prevent leaks.

LUBRICATION

- Do not attempt to start the pressure washer engine without filling the engine crank case with the proper amount and type of oil.

- Your pressure washer engine has been shipped from the factory without oil in the engine crankcase.
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- Operating the unit without oil will ruin the engine.

- The water pump is a sealed unit that is pre-oiled and ready for use. Do not attempt to check the oil level or open the pressure pump unit.

FUEL

Fill the tank with clean, fresh unleaded automotive gasoline. Regular grade gasoline may be used as long it has a high octane rating (at least 85 pump octane).
Keep handles dry and clean and free from oil and grease.

WARNING 

Be careful because gasoline can be very dangerous. Serious injury may result from fire caused by gasoline engine coming in contact with an ignition source or a hot engine.

HIGH PRESSURE HOSE

On models with a 'quick connect' coupling, attach the high pressure hose to the pressure washer by pulling back the collar on the quick connect coupling on the hose and then pushing it onto the coupling half on the pressure washer outlet.

WATER CONNECTION

1. Before connecting the high pressure hose to the washer, use a garden hose (not supplied) to flush out any foreign matter.

2. Attach the garden hose to the pressure washer water inlet.

CAUTION 

If your pressure washer is not a self-suction model, please be aware that the water supply must provide a minimum of 4gpm at 20PSI or the pump may become damaged.

Self suction models only: Attach a clean inlet hose to the pressure water inblet ensuring the pre-filter is clear of debris. Flush if required.

OPERATING INSTRUCTIONS

START-UP PROCEDURE : NON SELF-SUCTION MODEL

1. Make sure the water supply is connected and turned on.
2. Release the safety trigger lock.
3. To allow air to escape from the hose, squeeze trigger on the gun until there is a steady flow of water coming from the nozzle.
4. Remove any dirt or foreign matter from the gun outlet and the male connector of the wand.
5. Insert the nozzle wand into the gun wand and tighten the twistfast fitting securely by hand.

START-UP PROCEDURE: SELF SUCTION MODEL

After starting your engine (see below)

1. Ensure you have adequate water supply and the engine running at mid-range
2. Locate the bleed valve on the pump and turn anti-clockwise three full turns.
3. Simultaneously allow air to escape from the hose by squeezing the trigger on the gun until there is a steady flow of water coming from the nozzle.
4. When there is a steady flow of water from the bleed valve and gun nozzle and air is completely expelled, close the bleed valve by turning clockwise until tightly sealed.
5. This process will need to be repeated if any air is allowed to enter the inlet hose.

NOTE This process takes between thirty to sixty seconds, depending on the length of the inlet hose with a maximum allowed length of 5 metres.

WARNING Lock the wand securely or it could be ejected under high pressure when operating the gun, possibly causing injury or damage.

STARTING ENGINE

1. Check oil and gas/fuel.
2. Connect hose and turn on water.
3. Squeeze the trigger.
4. Make sure the pressure washer is 'ON'.
5. Set the gas/fuel valve to open.
6. Activate the choke if available and set throttle to fast.
7. When starting the engine, pull the cord slowly until resistance is felt and then pull rapidly to avoid kickback.
8. If the engine starts but fails to run or if increased resistance is felt during starting pull attempts, repeat step 3.
9. Once the engine starts or sounds like it is about to start, deactivate the choke (if filled)

CHEMICAL INJECTION

This pressure washer is intended for use only with liquid car wash detergents, developed specifically for pressure washer and with mild soaps. Only use chemicals compatible with the aluminum and brass parts of the pressure washer. Powdered soaps may clog the injection system.

NOTE 

On models with a built-in detergent tank, ensure the tube between the tank and detergent inlet on the pump unit is connected. Detergent can then be put into the detergent tank. Proceed to step 5.

1. Attach injection tube assembly to the siphon injector on the pump.
2. Place the chemicals next to the unit near the injection tube.
3. Visually inspect the strainer at the end of the injection tube to verify that it is not clogged.
4. Insert the injection tube into the container all the way to the bottom.
5. Remove the high pressure nozzle from the wand and install the black injection nozzle. The solution will automatically mix with the water and discharge through the nozzle.

MAINTENANCE

CLEANING TECHNIQUES

DETERGENT APPLICATION

When cleaning with the pressure washer, many cleaning tasks can be solved with water alone, but for particularly dirty tasks, it is advantageous to use a detergent. The right detergent will generally ensure the quick removal of dirt

1. Apply the solution to a dry work surface. On a vertical surface, apply horizontally from side to side starting from the bottom to avoid streaking.
2. Allow detergents to remain on the surface for a short period of time before rinsing.
3. Rinse with clean water under high pressure. On a vertical surface, rinse from the bottom up, then rinse from the top down. Hold nozzle 6 to 8 inches from the work surface at a 45 degree angle using the flat spray as a peeling tool rather than a general blaster.

WARNING

Avoid working on hot surfaces or in direct sunlight to minimise the chances of the chemical damaging painted surfaces. Damage may occur to painted surfaces if chemicals are allowed to dry on the surface. Hold the nozzle far enough away from surfaces to prevent damage

WAX APPLICATION

Only use a liquid wax compatible with pressure washers.

1. Immediately after cleaning, apply wax. Place the injection tube in the container of wax.
2. Apply the wax sparingly in an even layer. Apply to wet surfaces from bottom up for even distribution and to avoid streaking.
3. Remove the suction tube from the wax bottle, rinse off the surplus wax.

NOTE

If the surplus wax is not removed, a hazy finish may result

- Wipe dry to reduce water spotting.

END OF OPERATION

END OF OPERATION

When you have completed use of the chemical injection system, remove the tube from the container/tank. Run it at a low pressure flow and inject clean water through the tube and injection system by placing the end of the tube in a container of clean water. Continue to run it until it's thoroughly cleaned.

ONGOING MAINTENANCE

CONNECTIONS

The connections on the pressure washer hoses, gun and spray wand should be cleaned regularly and lubricated with the manufacturer's recommended grease to prevent leakage and damage to the O Rings.

NOZZLE

Clogging of the nozzle will cause the pump pressure to be too high. If the nozzle is clogged, clean it immediately.
A nozzle cleaner must only be used when the spray wand is disconnected from the gun or personal injury could occur.

1. Turn off the engine.
2. Separate the wand from the gun
3. Clear the nozzle with a small rigid piece of wire such as a paper clip
4. Flush the nozzle backwards with water.
5. Reconnect the wand to the gun.

Restart the pressure washer and depress the trigger on the spray gun. If the nozzle is still partially blocked or plugged, repeat above instructions 1-4.
If the previous procedure does not clear the nozzle, replace it with a new one.

WATER SCREEN

- Some pressure washers are equipped with a water inlet screen to protect the pump. If the screen is not kept clean, it will restrict the flow of water to the pressure washer and may cause damage to the pump.
- The screen is fragile so be careful when cleaning or removing it. Any foreign particles entering the pump may damage it.
- Do not operate the pressure washer without the screen in place (if originally equipped.)
- Remove the screen and backflush to remove impurities from the screen.
- Replace afterwards immediately.

ENGINE MAINTENANCE

During the winter months, atmospheric conditions may occur which can cause icing within the carburetor. If this develops, the engine may run rough, lose power and may stall. This temporary condition can be overcome by deflecting some of the hot air from the engine over the carburetor area.

STORAGE

PUMP STORAGE

If you must store your pressure washer in a location where the temperature is below freezing, you can minimise the chance of damage to your washer with the following instructions.

1. Shut off the water supply and relieve pressure in the spray gun by depressing the trigger. Disconnect the garden hose from the pressure washer, but leave the high pressure hose connected.
2. Tip the unit on its side with the inlet connection pointing up.
3. Insert a small funnel (to prevent spilling) into the inlet and pour in approximately 1/4 cut of RV antifreeze.
4. Disconnect spark plug wire.

Caution: Prior to restarting, thaw out any possible ice from the pressure washer hoses, spray gun and wand.

Another method of reducing the risk of freeze damage is to drain your pressure washer as follows:

1. Stop the pressure washer and detach the supply hose and the high pressure hose. Squeeze the trigger of the discharge gun to drain all water from the wand and hose
2. Restart the pressure washer and let it run briefly (about 5 seconds) until water no longer discharges from the high pressure outlet.

ENGINE STORAGE

When the pressure washer is not being operated or is being stored more than one month, follow these instructions.

1. Replenish engine oil to upper level.
2. Drain gasoline from fuel tank, fuel line, fuel valve and carburetor
3. Pour about one teaspoon of engine through the spark plug hole, pull the recoil starter slowly until you feel increased pressure which indicates the piston is on its composition stroke and leave it in that position. This closes both the intake and exhaust valves to prevent the insides of the cyllinder from rusting.
4. Cover the pressure washer and store in a clean, dry place that is well ventilated away from open flame or sparks.

Note: the use of a fuel additive, such as STA-BIL or an equivalent will minimise the formulation of fuel gum deposits during storage. Such as additive may be added to the gasoline in the fuel tank of the engine, or to the gasoline in a storage container.

SPECIFICATIONS

Engine	210CC 4-Stroke OHV Engine
Max Output	7HP/ 3600RPM
Fuel Type	Unleaded Petrol
Pump Type	Axial with Alloy Pump Head
Max Pressure	3950PSI
Start	Pull Start
Fuel Tank Capacity	3.5L
Oil Capacity	0.6L
Max Recommended Water Temp	40C
Dimensions	885x520x840mm

PRESSURE WASHER PARTS