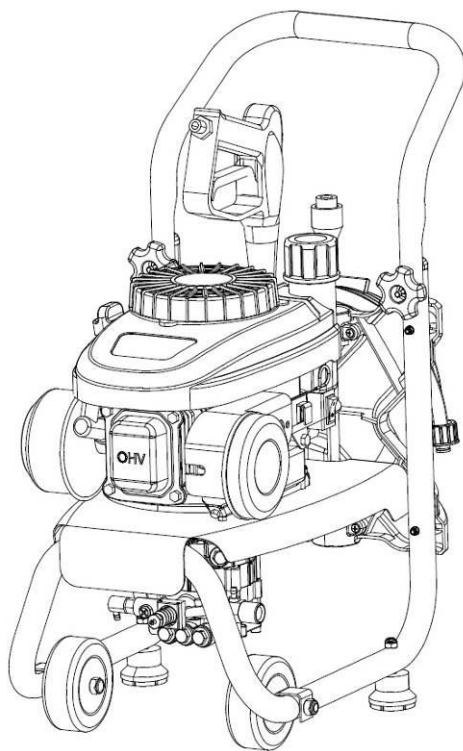




2200 PSI GAS PRESSURE WASHER

039-8054-4



# Use and Care Guide

**Congratulations on the purchase of your new pressure washer. In order to ensure you have the best possible experience please read through the following instructions. If you require any help please contact the customer service department at:**

**1-866-4SIMONIZ (1-866-474-6664)**

*Contact us for assistance; we're here to help.*



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## 1. SAFETY ADVICE

### IMPORTANT: RETAIN FOR FUTURE REFERENCE AND READ CAREFULLY!

Do not attempt to install or operate this product until you have read the safety instructions in this manual. Safety items throughout this manual are labelled **Danger**, **Warning**, or **Caution** depending on the risk type.

Read and understand the operating manual and labels on the product. Familiarize yourself with the product application and limitations and the specific potential hazards. Know the controls and their proper use. It is important to know how to stop the product and disengage the controls quickly.

### 1.1 Definitions

 This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

#### DANGER

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

#### WARNING

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

#### CAUTION

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

#### TOXIC GASES

Alerts against possible toxic gases which can be harmful to your health or deadly if you are exposed to them.

#### FLAMMABLE AND COMBUSTIBLE MATERIALS

Alerts against the presence of materials/gases which can be extremely flammable.

#### POISONOUS

Alerts against materials/gases which are very poisonous and can cause serious bodily harm or even death.

#### IMPORTANT

Installation, operation, or maintenance information which is important but not hazard-related.

### 1.2 Safety Warnings

#### IMPORTANT

Never operate this product under the following conditions:

- If a noticeable change occurs in the engine speed.
- If the engine misfires.
- If there are flames or smoke in the area.
- If there are excessive vibrations.

#### DANGER

Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in fire and/or serious injury.

# 4 Safety Advice

## 1.2 Safety Warnings

### **DANGER – WORK AREA SAFETY AND EXHAUST FUMES**

- Keep work area clean and well lit. Cluttered and dark areas invite accidents.
- Operate the product in a clean, dry and well-ventilated area.
- Do not operate the product in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- Never operate the product on a steep slope.
- Keep children, pets, and bystanders away from the operating area. Breathing exhaust fumes can cause serious injury or even death.
- Never start or run the engine indoors. The exhaust fumes are dangerous, containing carbon monoxide, an odourless and deadly gas. Operate this product only in a well-ventilated outdoor area.

### **GASOLINE ENGINES PRODUCE TOXIC CARBON MONOXIDE EXHAUST FUMES. BREATHING CARBON MONOXIDE CAN CAUSE NAUSEA, FAINTING, OR DEATH.**

### **WARNING – INADEQUATE VENTILATION**

- Materials placed against or near the product, or operating the product in areas where the ambient temperature exceeds 104°F (40°C) (such as storage rooms or garages), can interfere with its proper ventilation features, causing overheating and possible ignition of the materials or buildings.
- Operate the product in a clean, dry, and well-ventilated area at least 6 1/2' (2 m) away from any buildings, objects, or walls.
- **NEVER OPERATE THIS PRODUCT INDOORS OR IN POORLY VENTILATED AREAS.**

### **CAUTION – HOT ENGINE AND MUFFLER**

### **THE ENGINE AND MUFFLER BECOME VERY HOT DURING AND AFTER USE. AVOID TOUCHING THE ENGINE OR THE MUFFLER DURING OR AFTER USE.**

### **WARNING – PERSONAL SAFETY**

- Stay alert, watch what you are doing, and use common sense when operating a pressure washer. Do not use a pressure washer while you are tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating a pressure washer may result in serious personal injury.
- Use safety equipment. Always wear eye protection. Protective equipment such as a dust mask, non-skid safety shoes, a hard hat, or hearing protection used in appropriate conditions will reduce personal injuries.
- Do not use the product if the engine's switch does not turn it on or off. Any gasoline powered product that cannot be controlled with the engine switch is dangerous and must be repaired.
- Remove any adjusting key or wrench before starting the pressure washer. A wrench or a key left attached to a rotating part of the pressure washer may result in personal injury.
- Do not overreach. Do not operate the product while barefoot or when wearing sandals or similar lightweight footwear. Wear protective footwear that will protect your feet and improve your footing on slippery surfaces. Do not stand on the product. Keep proper footing and balance at all times. This enables better control of the product in unexpected situations.
- Avoid accidental starting. Be sure the engine's switch is off before transporting the product or performing any maintenance or service on the unit. Transporting or performing maintenance or service on a product with its switch on invites accidents.
- Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewellery, or long hair can get caught in moving parts.
- Do not place your hands or feet near moving parts.
- Do not use while on a ladder.

## **FLAMMABLE AND POISONOUS MATERIALS**

- Gasoline is highly flammable and its vapours can explode if ignited. Take precautions when using fuel to reduce the chance of serious personal injury.
- When refilling or draining the fuel tank, use an approved fuel storage container while in a clean, well-ventilated outdoor area.
- Do not smoke or allow sparks, open flames, or other sources of ignition near the area while adding fuel or operating the product. Never fill fuel tank indoors.
- Equip the operating area with a fire extinguisher certified to handle gasoline or fuel fires.
- Keep grounded conductive objects, such as tools, away from exposed, live electrical parts and connections to avoid sparking or arcing. These events could ignite fumes or vapours.
- Always stop the engine and allow it to cool before filling the fuel tank. Never remove the cap of the fuel tank or add fuel while the engine is running or when the engine is hot. Do not operate the product with known leaks in the fuel system.
- Loosen the fuel tank cap slowly to relieve any pressure in the tank.
- Replace fuel tank and container caps securely and wipe up spilled fuel. Never operate the product without both caps securely in place.
- Avoid creating a source of ignition for spilled fuel. If fuel is spilled, do not attempt to start the engine near spill. Move the product away from the area of spillage and avoid creating any source of ignition until fuel vapours have dissipated.
- Store fuel in containers specifically designed and approved for this purpose.
- Store fuel in a cool, well-ventilated area, safely away from sparks, open flames, or other sources of ignition.
- Never store fuel or product with fuel in the tank inside a building where fumes may reach a spark, open flame, or any other source of ignition, such as a water heater, furnace, clothes dryer, or the like. Allow the engine to cool before storing indoors.

## **CAUTION—ENGINE SAFETY**

- Certain components in this product and its related accessories contain chemicals which are known to cause cancer, birth defects, or other reproductive harm. Wash hands after handling.
- The engine exhaust from this product contains chemicals which are known to cause cancer, birth defects, or other reproductive harm.
- Check fuel lines, tank, cap, and fittings frequently for cracks or leaks. Replace if necessary.
- This engine was shipped without oil. Before you start the engine, make sure you add oil according to the instructions in this manual. If you start the engine without oil, it will be damaged beyond repair and will not be covered under the warranty.
- When starting engine ensure that spark plug, muffler, fuel cap and air filter are in place and secured.
- Do not crank engine with spark plug removed.
- If engine floods, move the throttle control to fast position and crank until engine starts.
- When operating the engine, do not tip engine or equipment at an angle which will cause fuel to spill.
- Do not choke the carburetor to stop the engine.
- Never start or run the engine with the air cleaner assembly or the air filter removed.
- Transport or move the product only with empty fuel tank.
- Rapid retraction of starter cord (kickback) will pull hand and arm towards engine faster than you can let go. Risk of injury – broken bones, fractures, bruises, or sprains could result.
- Keep the engine and muffler free of grass, leaves, excessive grease, or carbon build-up to reduce the chance of a fire hazard.
- Do not tamper with any part of the engine to increase its speed.
- If the product makes an unusual noise or vibration, immediately shut off the engine, disconnect the spark plug wire, and check for the cause. Unusual noise or vibration is generally a sign of a problem.
- Use only attachments and accessories approved by the manufacturer. Failure to do so can result in personal injury.

# 6 Safety Advice

## 1.2 Safety Warnings

### CAUTION – SPECIFIC SAFETY ADVICE

- Avoid dangerous conditions. Always operate this product on dry, solid and level ground.
- Never operate this product on slippery, wet, muddy, or icy surfaces. The operating area should be free from any obstructions. There should be plenty of room for handling, and the operator should stay alert at all times.
- Do not use this product in wet or damp areas or expose it to rain. Do not use it in areas where fumes from paint, solvents or flammable liquids pose a potential hazard.
- Inspect this product. Check before turning it on. Keep guards in place and in working order. Form a habit of checking to see that keys and adjusting wrenches are removed from tool area before turning it on.
- Replace damaged, missing or failed parts before using the product. Make sure all nuts, bolts, screws, hydraulic fittings, hose clamps, etc. are securely tightened. Always check the oil level in the oil tank. Never operate this product when it needs to be repaired or when it is in poor mechanical condition.
- Never move or pull this product while spraying.
- Do not run the engine at a high speed when you are not using the product.
- **Risk of electric shock!** The water spray must never be directed towards any electric wiring, devices, or directly towards the pressure washer itself, or fatal electric shock may occur.
- **Risk of injury!** Do not direct the discharge stream at people. The high-pressure jet can be dangerous if misused, and therefore must not be directed at people, animals, electrical devices or the unit itself.
- **Risk of explosion!** When a combustible liquid is sprayed, there can be danger of fire or explosion, especially in a closed area. Therefore, do not spray flammable liquids. Do not use acids and solvents with this product either. These products can cause physical injuries to the operator and irreversible damage to the product.
- Learn how to stop the product and release the pressure quickly. Familiarize yourself with the controls.



### CAUTION – SPECIFIC SAFETY ADVICE

- This product is capable of producing high pressure as rated in the **Technical Specifications**. To avoid rupture and injury, do not operate this product with components rated less than the unit itself (including but not limited to spray guns, hose, and hose connections).

### WARNING – INJECTION HAZARD

- Equipment can cause serious injury if the spray penetrates the skin. Do not point the gun at anyone or any part of the body. In case of penetration, seek medical aid immediately.

### CAUTION – SPRAY GUN

- The spray gun kicks back, so hold it with both hands.
- The trigger gun safety lock prevents the trigger from being engaged accidentally and it should be placed in locked position when not in use.

### CAUTION – DETERGENTS

- This product has been designed for use with detergents that are specifically approved for pressure washer use. The use of other cleaning detergents may affect the operation.

### CAUTION – WATER CONNECTIONS

- For use with fresh and clean water only. Do not use this product with other liquids.
- To minimize the amount of water spraying back on the pressure washer, the device should be placed as far as possible from the cleaning site during use.
- The water supply system must be protected against backflow.
- Never use this product with water contaminated with solvents (e.g. paint thinners, gasoline, oil, etc.).
- Always prevent debris from being drawn into the product by using a clean water source and an additional water filter, if required.
- If this device is connected to a potable water system, the system must be protected against backflow.
- Suitable water temperature: 41°F (5°C) to 104°F (40°C).

## 1.2 Safety Warnings

### CAUTION – SERVICE

- Before cleaning, repairing, inspecting, or adjusting, shut off the engine and make sure that all moving parts have stopped.
- Have your product serviced by certified repair personnel using only identical replacement parts. This ensures the safety of the product is maintained.
- Ensure proper maintenance. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the product's operation. If damaged, have the product repaired before use. Many accidents are caused by poorly maintained equipment.

### IMPORTANT – COLD WEATHER START

- Do not operate this pressure washer in temperatures below 41°F (5°C). Operating pressure washer below 41°F (5°C) may cause damage to the pump and other pressure washer parts.

### IMPORTANT – SAFETY FEATURES

- **Thermal Relief Valve:** Protects the pump from overheating in case the nozzle gets clogged. This system should not be abused. Make sure the pump does not overheat.
- **Low-oil Auto Shut-off:** Protects the engine and prevents operating without proper lubrication. If the engine oil level goes below the recommended level, the pressure washer shuts off automatically.

### CAUTION – PREVENT PUMP DAMAGE

- Do not run the engine for more than 5 minutes without pressing the wand trigger or damage to the pump might occur.
- Never let the engine run unless the product is connected to a water supply. Ensure water is running through the pressure washer before attempting to start the engine.
- Never run caustic fluids or acid through this product.

### IMPORTANT – STORAGE

- Store the product in a well-ventilated area, with an empty fuel tank. Fuel should never be stored or placed near the product.
- When storing the product for winter, ensure that it is stored indoors (at room temperature), in a dry location away from any heat or ignition sources.
- If the product is to be stored with fuel in the fuel tank, add a fuel stabilizer to keep the gas from breaking down.
- To protect and extend the life of the product when storing it, use an antifreeze agent for the pump, which can be found at your local Canadian Tire store.

## 1.3 Intended Application

This product is designed for specific residential applications. Do not modify or use this product for any application other than the one it was designed for. Doing so will void the warranty.

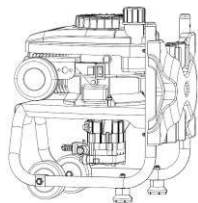
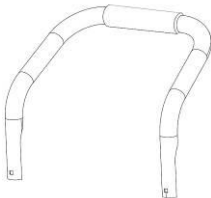
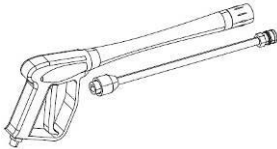

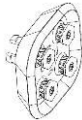


This equipment was not designed for industrial use. Please refer to the icons below for suggested applications. For questions regarding other uses, please refer to our website at [www.simoniz.ca](http://www.simoniz.ca) or call us at 1-866-4SIMONIZ (1-866-474-6664).

### IMPORTANT – APPLICATIONS







# 8 Parts List

## 2. PARTS LIST

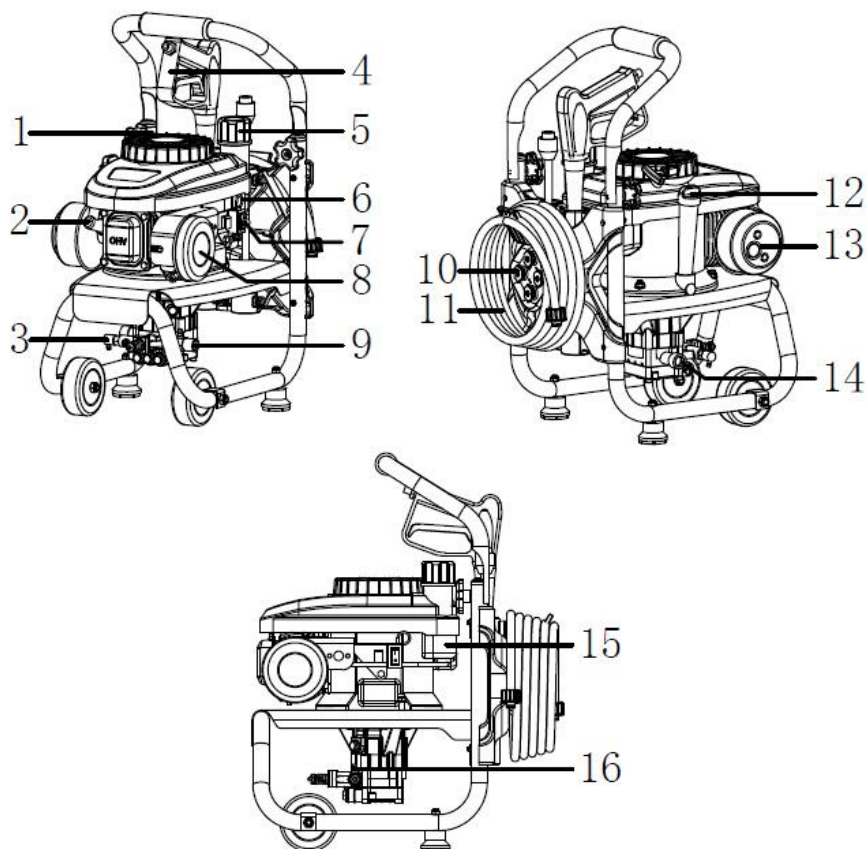
Ref.	Description	Qty.	Visual
A	Main frame	1	
B	Handle	1	
C	Spray gun with metal wand	1	
D	High-pressure hose 20' (6 m)	1	
E	Nozzle seat	1	
F	Hose hook	1	
G	Square neck bolt	2	



Ref.	Description		Qty.	Visual
H	Knob		2	
I	Accessory Kit	Spray cleaner tip	1	
J		Spark wrench plug	1	
K		Spare O-rings (two for high-pressure hose, one for quick-connector)	3	

# 10 Assembled Model Diagram

## 3. ASSEMBLED MODEL DIAGRAM



## 3. ASSEMBLED MODEL DIAGRAM

Ref.	Description
1	Hand cord
2	Spark plug
3	Thermal relief valve
4	Spray gun
5	Fuel tank cap
6	Choke switch
7	Engine switch
8	Air filter

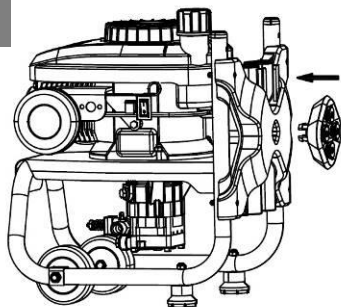
Ref.	Description
9	Outlet of pump
10	Nozzles
11	Pressure hose
12	Oil dipstick
13	Muffler
14	Inlet of pump
15	Fuel tank
16	Detergent injector

**Note:** Engine oil is not included. Always use oil type **SAE 10W-30**.

# 12 Assembly Instructions

## 4. ASSEMBLY INSTRUCTIONS

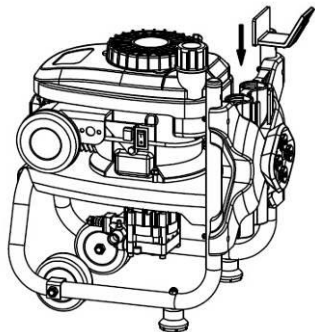
1



### Nozzle Seat Assembly

Attach the nozzle seat onto the frame in the direction of the arrow.

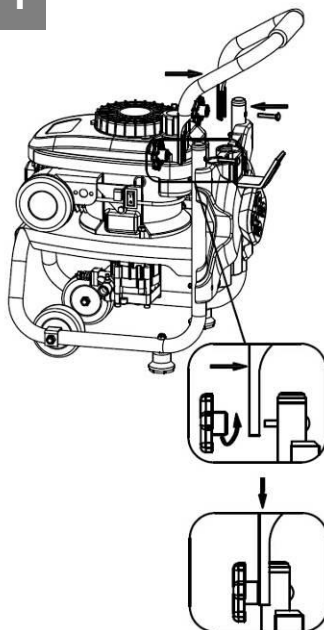
2



### Hose Hook Assembly

Attach the hose hook onto the frame in the direction of the arrow.

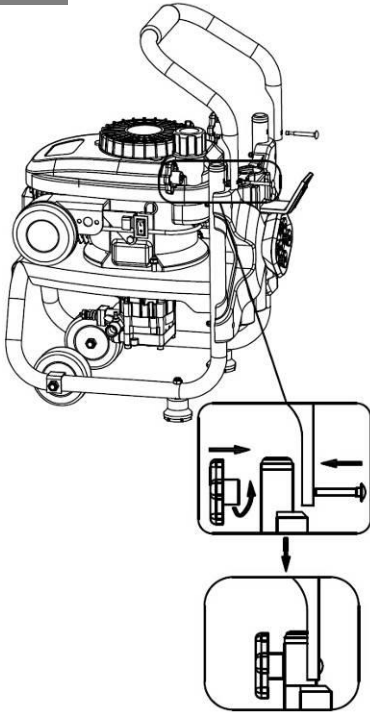
3-1



### Trolley Mode

Assemble the handle as shown.  
Fasten the plastic screw by rotating clockwise.

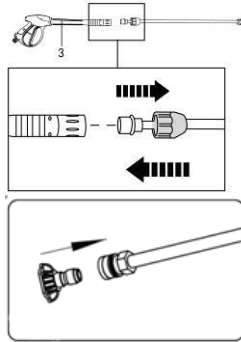
3-2



## Portable Mode

Assemble the handle as shown.  
Fasten the plastic screw by rotating clockwise.

4



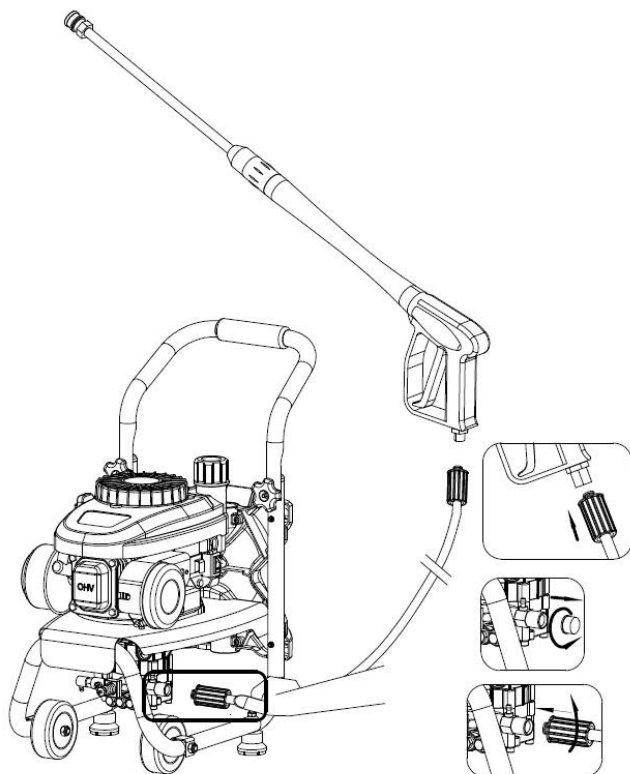
## Gun and Wand Assembly

Connect the spray gun to the metal wand. Pull back the rubber piece to expose the threaded fitting. Then, screw the two pieces together and move the rubber piece back. Insert the desired tip to the gun tip connector.

The nozzle is locked when you hear the snap sound.

# 14 Assembly Instructions

5



## Gun/Hose Assembly

Remove the air shield on pump outlet, then connect one end of pressure hose to pump outlet and secure the plastic nut.

Connect the other end to pressure gun and fasten the plastic nut.

Now your pressure washer is fully assembled.

## **⚠ CAUTION**

Do not operate the product before you read and fully understand next chapter → Operating Instructions.

## 5. OPERATING INSTRUCTIONS

### 5.1 Using Spray Nozzle

This pressure washer comes with four different nozzles that can be installed on the metal wand. The spray pattern is adjusted by installing the appropriate spray nozzle.



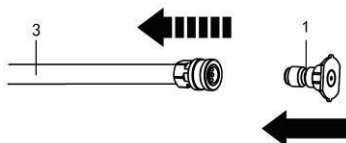
**0° (red):** Thin and powerful stream of water for difficult stains and debris removal.

**15° (yellow):** Thin-angled spray for detailed cleaning.

**40° (white):** Large pattern for wider cleaning applications.

**Detergent (black):** This nozzle must be used together with a cleaning detergent at a low pressure. Use only this nozzle when using a detergent.

**Installing spray nozzle to the quick-connect coupler:**



Pull the coupler ring back and insert the desired nozzle.

Release the coupler ring to lock it back in place.

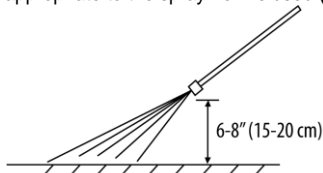
### 5.2 Water Supply (Cold Water Only)

- The unit must be used with cold water supply only. The water hose must be at least 1/2" (13 mm) in diameter.
- The water flow rate must not fall below 18 litres per minute (LPM) (4 gallons per minute (GPM)), or the pump might be damaged. The flow rate can be determined by running water for one minute into an empty container.
- The water supply temperature must not exceed 104 °F (40°C).

### 5.3 Starting Pressure Washer

- Attach garden hose to pump inlet port. Attach the other end of garden hose to water source.

- Turn on the water tap. The water flow rate must not fall below 18 litres per minute (4 gallons per minute), or the pump might be damaged.
- Release the trigger safety lock if it is locked. Purge the air by squeezing the trigger on the gun until there is a steady stream of water.
- Install appropriate spray nozzle.
- Start the engine. (→ [Section 6 Engine Operation](#))
- Position the tip of the wand 6–8" (15–20 cm) away from the surface to be cleaned, at an angle appropriate to the spray nozzle used (**0°, 15°, or 40°**).



#### ⚠ WARNING – INJECTION HAZARD

- Pressure washer can cause serious injury if the spray penetrates the skin. Do not point the gun at anyone or any part of the body. In case of penetration, seek medical aid immediately.

#### ⚠ WARNING – DEPRESSURIZE

- After cleaning is completed, turn off the water supply and pull the trigger to depressurize the unit. Failure to do so might result in personal injury due to discharge of high-pressure water.

# 16 Operating Instructions

## 5.4 Cleaning with Detergents

### IMPORTANT

This pressure washer is intended for use with special pressure washer detergents only. Do not use powdered soaps, which clog the injection system. Follow the detergent manufacturer's directions or call the Simoniz® toll-free number at **1-866-4SIMONIZ** (1-866-474-6664) if you have any questions or concerns.

### IMPORTANT

Working with a detergent ensures quick soaking of the dirt and allows the high-pressure water to penetrate and remove the dirt more effectively. Always spray detergent on a **dry** surface; do not presoak the area. Soaking the surface dilutes the detergent and reduces its cleaning ability.

### DETERGENT INJECTOR (LOW PRESSURE)

To set-up the detergent injector, install it to the siphon injector fitting on the pump as described in assembly instructions. Then:

- 1) Pour the contents of your detergent into a container and place it next to the pressure washer pump.
- 2) When using a detergent, the stainless steel wand must be fitted with the detergent nozzle (black). This can be done by pulling the coupler ring backwards and inserting the detergent nozzle. Release the coupler ring to lock it in place.
- 3) Inspect the detergent injector filter, ensuring it is not clogged. Then place it all the way to the bottom of the container. The detergent will automatically mix with the water.
- 4) If the throttle lever is not in the fast position, the injection of the detergent may be decreased or stop completely. If this happens, move the throttle lever towards the left to increase engine speed and pressure.

Important Note: When you have finished using the detergent injector system, remove the injector filter from the detergent container and place it in a different larger container containing only clean water and let

the pressure washer run until you no longer notice detergent coming out of the wand.

### WARNING

Damage may occur to painted surfaces if chemicals (detergents) are allowed to dry on them. Wash and rinse a small section at a time. Avoid working on hot surfaces or under direct sunlight.

## 5.5 Shutting Down and Cleaning Up

1. Skip step 2 if you are not using detergent.
2. After cleaning with detergent, fill the detergent tank with clean water. Spray water at a low pressure for one minute, so that all detergent is flushed out of the system.
3. Stop the engine (→ [Section 6.4 Stopping Engine](#)).
4. Turn off the water supply and disconnect the water supply from the water inlet .
5. Point spray gun in safe direction, push trigger lock, and squeeze spray gun trigger to relieve retained high water pressure. Engage the trigger safety lock on the spray gun.
6. Disconnect the garden hose from the pump.
7. Disconnect the pressure hose from the pump and pressure gun for storage. For long-term storage instructions, see section 7.5.
8. Rewind the pressure hose and attach it to the hose hook.
9. Disconnect the gun and wand, then insert them into upper gun holder.
10. Fold the handle and store.

**NOTE:** After turning off the machine, wait for 20 minutes to prevent plastic parts from being burned by muffler, then fold the handle.

### WARNING

Turn off the water supply and pull the trigger to depressurize the unit. Failure to do so might result in personal injury due to discharge of pressurized water.



## 6. ENGINE OPERATION

### 6.1 Adding/Checking Oil

#### IMPORTANT

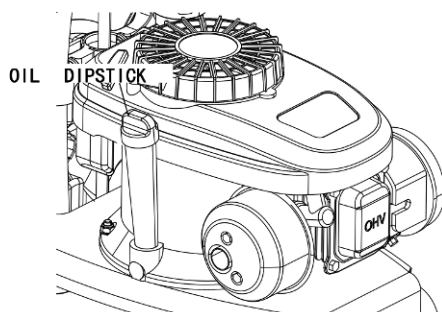
Oil has been drained for shipping. Failure to fill engine with oil before starting engine will result in permanent damage and will void engine warranty. Add oil according to the instructions.

#### WARNING

- Always check the oil level before starting the engine, making sure the pressure washer is on a level surface.
- Always use oil type **SAE 10W-30**, which can be found at your local **Canadian Tire** store (Product # 299-3531-8).

1. Remove oil tank dipstick and wipe it with a clean cloth.
2. Replace and retighten the dipstick.
3. Remove the dipstick again and check the oil level. It should be at the top of the full indicator on the dipstick.
4. If low, add oil slowly into the oil tank. Do not overfill. After adding oil, wait one minute and then recheck the oil level.
5. Replace and retighten the dipstick.

9



**OIL TANK CAPACITY: 550 mL**

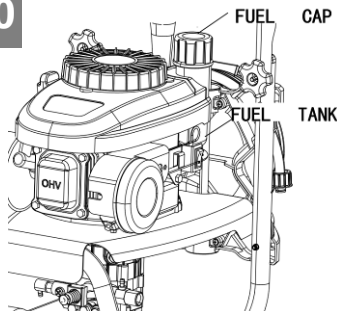
### 6.2 Adding Fuel

#### WARNING

- Make sure there is enough fuel in the fuel tank before operating the pressure washer.
- Use only clean, fresh, unleaded fuel. Use a minimum of 87 octane / 87 AKI (91 RON).
- Do not use old gas, and do not mix oil with gasoline.
- Fuel and its vapours are extremely flammable and explosive. Fire or explosion can cause severe burns or death.

1. Stop the engine (→ *Stopping Engine*) and let it cool at least two minutes before removing the fuel tank cap.
2. Clean the fuel cap area of dirt and debris. Remove the fuel tank cap and make sure the fuel filter is in place.
3. Fill the fuel tank with fuel. Never overfill the fuel tank. Fill tank to no more than 1/2" (13 mm) below the bottom of the filler neck to provide space for expansion caused by the engine heat.
4. Replace the fuel tank cap.

10



**FUEL TANK CAPACITY: 0.8 L**

#### IMPORTANT

- Keep fuel away from sparks, open flames, pilot lights, heat, and other ignition sources.
- Check fuel hoses, tank, caps, and fittings frequently for cracks or leaks. Replace if necessary.
- If fuel spills, wait until it evaporates before starting engine.
- Fill the fuel tank outdoors or in well-ventilated areas.

# 18 Engine Operation/Cleaning and Maintenance

## 6.3 Starting Engine

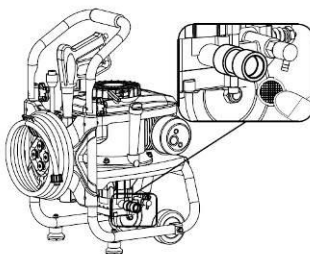
### IMPORTANT

If you have problems starting the pressure washer, Call the Simoniz® toll-free number at **1-866-4SIMONIZ** (1-866-474-6664) and one of our customer service representatives will be glad to assist you.

### IMPORTANT

**Before each use:**

- Check the oil and fuel level and fill if necessary.
- Make sure that spark plug, muffler, fuel cap, and air filter are in place and secured.
- Do not crank engine with spark plug removed.



### CAUTION

**DO NOT** operate this pressure washer without the water inlet filter in place, as deposits could build up internally and affect the functioning of the unit.

See Section 5.3 Starting Pressure Washer to start the pressure washer.

1. Set the engine I/O switch to the "I" position.
2. Adjust the choke lever to "CLOSE" position.
3. Pull the starter cord handle slowly until you feel resistance. Then pull rapidly to avoid kickback. Repeat if necessary.
4. Once engine starts, adjust the choke lever to "OPEN" position.

### CAUTION

Return the starter cord handle gently to its starting position to prevent damage to the starter or the housing.

## 6.4 Stopping Engine

To stop the engine, set the engine I/O switch to O position.

## 7. CLEANING AND MAINTENANCE

### 7.1 Cleaning Water Inlet Filter

- This pressure washer is equipped with a water inlet filter.
- The water inlet filter must be kept clean at all times, otherwise it can restrict the water flow to the pump unit and damage it.
- Remove the water inlet filter from the pump inlet pipe and clean.

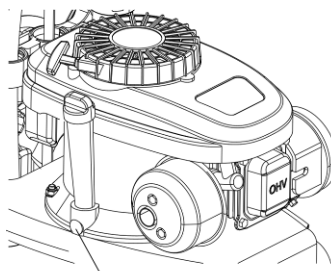
### 7.2 Engine Maintenance

#### Draining Engine Oil

The engine oil should be replaced after the first 20 hours of operation, or after the first month of use. After that, it should be replaced every 100 hours or every six months.

#### To drain the engine oil:

1. Remove crankcase plug on bottom of engine.
2. Tilt the unit to the appropriate angle.
3. Drain oil into appropriate container.
4. Apply thread sealant around three full threads of drain plug; reinstall drain plug. Torque to 120 in-lb (13.6 Nm).



Crankcase Plug

#### Recommended Engine Oil

Add oil as described → Section 6.1 Adding/Checking Oil.

## IMPORTANT

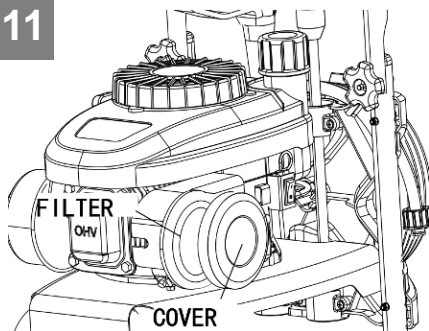
Used oil is a hazardous waste product and must be disposed of properly. Do not discard with household waste. Check with your local authorities, service centre, or **Canadian Tire** for safe disposal/recycling facilities.

## Checking Air Filter

### IMPORTANT

Clean air filter element after every 50 hours of use (every 10 hours under dusty conditions). Wash in high flashpoint solvent, squeeze dry, dip in clean engine oil, and squeeze out excess oil.

11



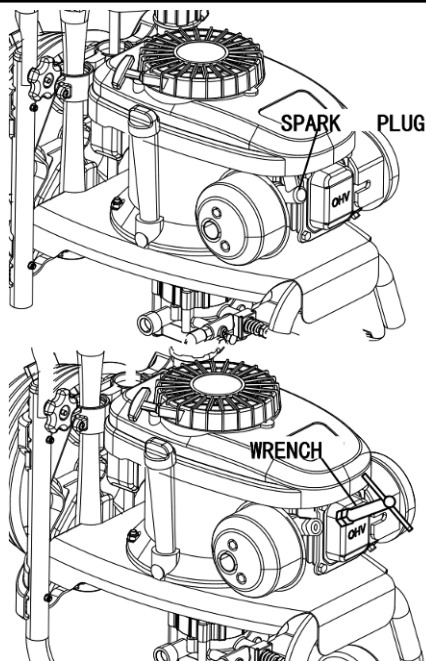
Press two clips on the top of the air filter cover and take the cover down. Remove the air filter, wash filter in kerosene, squeeze kerosene out, soak filter in engine oil and squeeze engine oil out. Replace filter and replace the air filter cover.

## Inspecting, Replacing or Cleaning the Spark Plug

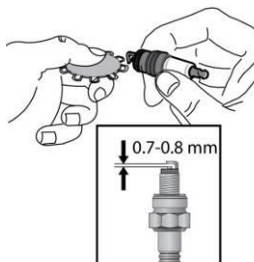
The spark plug should be checked after every 100 hours of operation or every six months.

### To replace or clean the spark plug:

1. Disconnect the spark plug wire by pulling it off the spark plug.
2. Using provided spark plug wrench, remove the spark plug by turning it counter-clockwise. If there is a carbon sediment build-up, remove it. If there is too much carbon sediment, replace the spark plug.



3. Check the gap with a wire gauge. If necessary, reset the gap to 0.7 - 0.8 mm. Install and tighten the spark plug to the recommended torque – 180 in-lb (20 Nm).
4. Reinstall the spark plug wire and protection cage in reverse order.



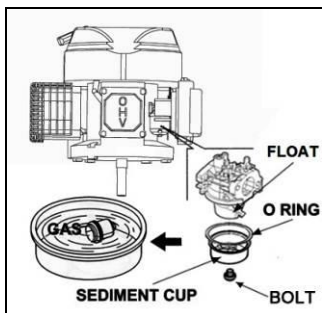
**NOTE:** In some areas, local law requires using a resistor spark plug to suppress ignition signals. If this engine was originally equipped with a resistor spark plug, use the same type for replacement.

# 20 Cleaning and Maintenance

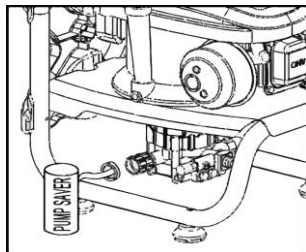
## 7.3 Cleaning the Carburetor

1. Screw down the bolt on the bottom of carburetor with wrench.
2. Push the float up four to five times, then clean sediment cup with gas.

**NOTE:** Put the sediment cup back. Be careful not to miss the O-ring.



Pump Saver™, (product no. 039-8602 at a local Canadian Tire store) to treat pump. This prevents freeze damage and lubricates pistons and seals.



## STEP 2: PROTECT FUEL SYSTEM

### Fuel Additive:

Fuel can become stale when stored for over 30 days. Stale fuel causes acid and gum deposits to form in the fuel system or on essential carburetor parts. Please use fuel stabilizer to keep fuel fresh. Run the engine for 2 minutes to circulate the stabilizer throughout the fuel system before storage.

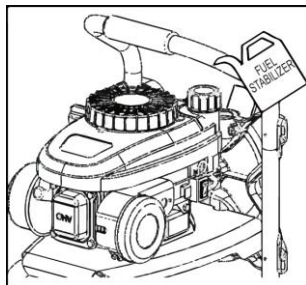
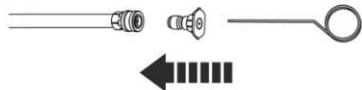
## 7.4 Cleaning the Spray Tips



### WARNING

Clogging of the spray tip increases the water pressure and might damage the pump unit.

Clean the spray tip by carefully inserting the provided spray tip cleaner, or a thin, sharp object (e.g., paper clip) into the tip to remove deposits.



### Drain fuel:

If gasoline in the engine has not been treated with a fuel stabilizer, it must be drained into an approved container. Run the engine until it stops from lack of fuel. Remove the hex screw from the carburetor then drain the fuel from the tank, carburetor, and tube. Screw the carburetor drain hex screw back once the fuel has been completely drained.

## 7.5 Pump Winterization and Long term storage

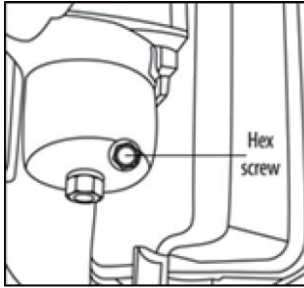


### IMPORTANT

Freeze damage is not covered under warranty!

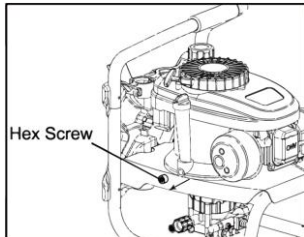
### STEP 1: PUMP WINTERIZATION

When you are storing your pressure washer for the winter in a garage, shed or indoors, it has to be winterized. To protect the pump from damage caused by mineral deposits or freezing, use Briggs & Stratton



## STEP 3: CHANGE OIL

While engine is still warm, drain oil from crankcase. Remove the hex screw from the crankcase. Drain the oil to a container. Refill with recommended grade oil (SAE 10W-30).



## IMPORTANT

- If the pressure washer is to be stored with gasoline in the fuel tank and carburetor, it is important to reduce the hazard of gasoline vapour ignition.
- Select a well-ventilated storage area away from any appliance that operates with a flame, such as a furnace, water heater, or clothes dryer. Also avoid any area with a spark-producing electric motor, or where power tools are operated.
- If possible, avoid storage areas with high humidity because that promotes rust and corrosion.
- Place the pressure washer on a level surface. Tilting can cause fuel or oil leakage.
- Do not use plastic sheets as a dust cover. A nonporous cover will trap moisture around the pressure washer, promoting rust and corrosion.

## 8. TECHNICAL SPECIFICATIONS

Maximum Pressure	2200 PSI
Rated Water Pressure	1600 PSI
Maximum Water Flow	6 litres per minute (LPM) (1.6 US gallons per minute (GPM))
Minimum Inlet Pressure	30 PSI
Maximum Inlet Pressure	100 PSI
Pump Type	Medium-duty, maintenance-free axial
Thermal Relief Valve	Included
Maximum Temperature of Pumped Water	104°F (40°C)
Engine Power (OHV)	4.0 HP
No Load Speed	3600 RPM
High Pressure Hose Length	20' (6 m)
Inlet and Discharge Ports	3/4" (19 mm) standard garden hose connector
Displacement	141 cc
Net Weight	44 lb (20 kg)
Oil Type	SAE 10W-30
Oil Capacity	550 mL
Fuel Type	Unleaded Gasoline
Fuel Tank	0.8 L

# 22 Troubleshooting

## 9. TROUBLESHOOTING

**NOTE:** If your unit still is not functioning properly once you have used this guide please call the Simoniz® toll-free service number at 1-866-4SIMONIZ (1-866-474-6664). Please do NOT bring the unit back to the store until you have called this number.

PROBLEM	POSSIBLE CAUSE	SOLUTION
Engine	The engine power switch is in OFF (O) position.	Ensure the switch is in ON (I) position.
	No fuel.	Fill the fuel tank with regular gasoline.
	Excess water pressure in pump or hose.	Release water pressure by squeezing trigger on gun.
	Choke lever not in right position.	1. When cold starting the engine, set the choke to <b>CLOSE</b> or <b>OFF</b> . 2. When warm starting, set the choke to <b>OPEN</b> or <b>ON</b> or try the middle position.
	Clogged carburetor.	Clean the carburetor. Refer to the instruction manual.
	Carbon build-up on spark plug.	Clean the spark plug. Refer to the instruction manual.
	Incorrect starting method.	Use correct starting method. Refer to the instruction manual.
	Choke lever in Close position.	Move the choke lever to <b>Open</b> position immediately after starting the engine.
	Engine lacks power.	Clogged air filter.
		Clogged carburetor.
	Carburetor leaks.	Carburetor is clogged.
	Starter rope doesn't recoil.	Recoil mechanism is broken.
	Engine sounds abnormal or overloaded.	Clogged nozzle.
		Pressure is too high.

PROBLEM		POSSIBLE CAUSE	SOLUTION
<b>Pump</b>	No pressure, low pressure.	Nozzle tip not attached.	Attach required nozzle tip.
		Water supply faucet closed.	Turn on faucet. Ensure there are no kinks or blockage in hose.
		Water supply pressure is low.	Ensure faucet is fully opened. Check to make sure water supply is a minimum 30 PSI, 4 GPM.
		Inlet water filter is clogged.	Clean the water filter. Refer to the instruction manual.
		Air in pump.	Squeeze trigger to release the air in pump when the machine is running.
		Clogged check valve.	Call customer service toll-free.
		Damaged pump.	Call customer service toll-free.
	Pressure too high.	Clogged nozzle.	Clean nozzle with tip cleaner.
	Water or oil leaks out of pump.	Damaged seal ring.	Call customer service toll-free.
	Cold water keeps draining out of thermal relief valve.	Defective thermal relief valve.	Call customer service toll-free.
<b>Accessories and Connections</b>	No intake of detergent.	The detergent siphon tube is not connected.	Connect detergent siphon tube properly. Refer to the instruction manual.
		Damaged detergent siphon tube.	Replace the detergent siphon tube.
		Wrong nozzle.	Use black nozzle when applying detergent. Refer to the instruction manual.
		Detergent adjustment knob set to wrong position.	Check adjustment knob. Refer to the instruction manual.
		Clogged nozzle.	Clean nozzle.
		Clogged pump detergent siphon fitting.	Detach the detergent siphon tube and clean the fitting with tip cleaner.
		Detergent is too thick. Clogged detergent filter.	Use only detergent approved for use with pressure washer.
	The trigger can't be squeezed.	Safety lock is not open.	Open the safety lock. Refer to the instruction manual.
	There is water leakage at joints/connections on gun, hose and/or pump.	Damaged seal ring.	Change with back-up O-ring or purchase accessory kit 039-8552-8 at local Canadian Tire store.
	High pressure hose can't be connected to pump or gun.	The O-rings are not lubricated.	Put lubricating oil or water on the O-rings.

# 24 Limited Warranty

## **10. LIMITED WARRANTY**

Always keep your receipt as proof of purchase.

We're here to help! You are covered with a two year manufacturer's warranty against defects in workmanship and materials. If you have any questions or comments call our toll-free hotline: 1-866-4SIMONIZ (1-866-474-6664). Have your serial number ready. The serial number can be found on the back plate, located on the rear of the unit.

This product has a Parts Replacement, Repair Warranty only.

**NO REFUNDS** will be provided. Please see stores for Product Exchange details.

### **Ninety (90) Day Warranty – Accessories**

Trigger gun, hose, spray wands and other accessories are guaranteed for 90 days from the date of purchase. You may purchase accessories directly through the place of purchase or by calling our toll-free hotline 1-866-4SIMONIZ (1-866-474-6664).

This warranty does not cover accidental damage, unreasonable use, normal wear and tear, use of improper detergents, freezing, neglect or non-compliance with the operating instructions. The warranty does not cover loss of use or other consequential damages arising from any of the above, nor does it cover repairs made or attempted by unauthorized persons.

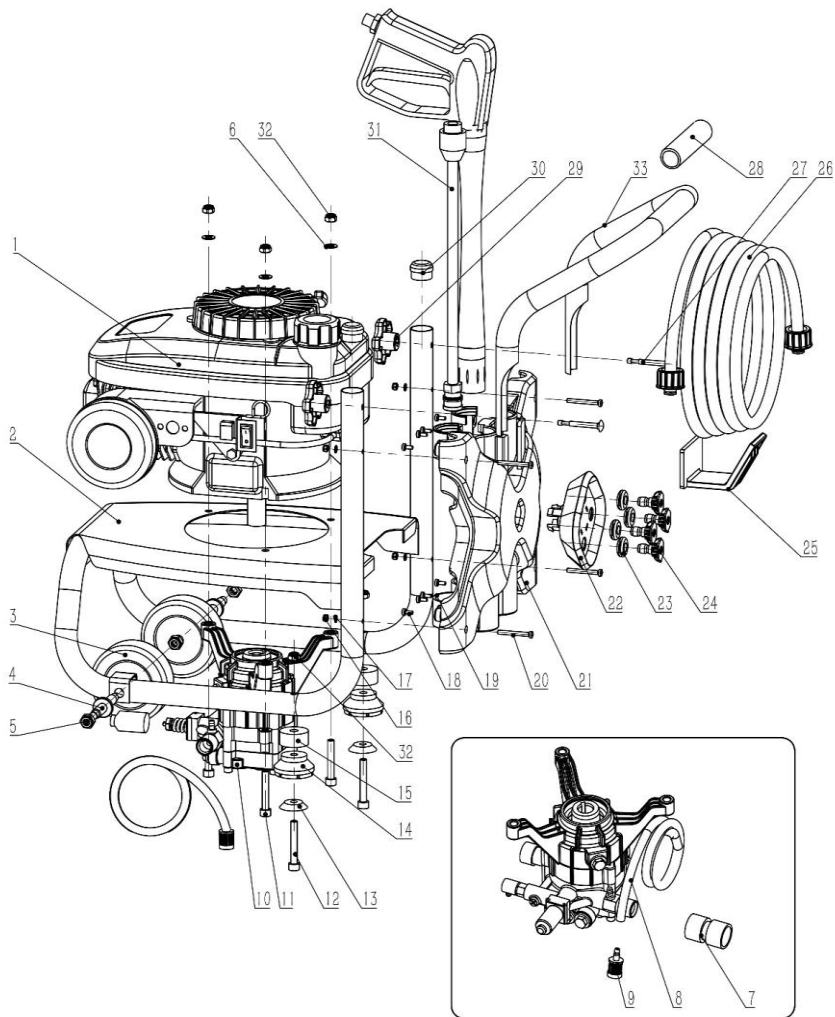
The warranty is void if the equipment is used for commercial, rental, or industrial purposes.

If you have further questions, please visit our website ([www.simoniz.ca](http://www.simoniz.ca)) or call 1-866-4SIMONIZ (1-866-474-6664).

**Imported by Trileaf Distribution Trifeuil, Toronto, Canada M4S 2B8**



## 11. EXPLODED PARTS DIAGRAM



# 26 Exploded Parts Diagram

Ref	Description	Qty.
1	Zongshen 141cc Engine	1
2	Frame	1
3	4" Solid Wheel	2
4	Wheel Axle	2
5	Locknut	4
6	Plain Washer 8	6
7	Inlet Water Connector	1
8	Detergent Hose	1
9	Detergent Injection Filter	1
10	Pressure Pump	1
11	Hex Socket Head Cap Screw M8x50	3
12	Hex Socket Pan Head Screw M8x60	2
13	Rubber Foot Support	2
14	Rubber Foot	2
15	Heighten Pad	2
16	Locknut M5	4
17	Plain Washer 5	4
18	Tapping Screw ST4×12	8
19	Latch	4

Ref.	Description	Qty.
20	Tapping Screw M5×42	4
21	Panel	1
22	Nozzle Seat	1
23	Nozzle Grommet	4
1-24	0° Nozzle (Red)	1
2-24	15° Nozzle (Yellow)	1
3-24	40° Nozzle (White)	1
4-24	Detergent Nozzle (Black)	1
25	Hose Hook	1
26	Pressure Hose	1
27	Square Neck Bolt II	2
28	Handle Foam	1
29	Fixing Nut Assembly	2
30	Plug	2
1-31	Gun	1
2-31	Wand	1
32	Locknut Screw M8	5
33	Handle	1