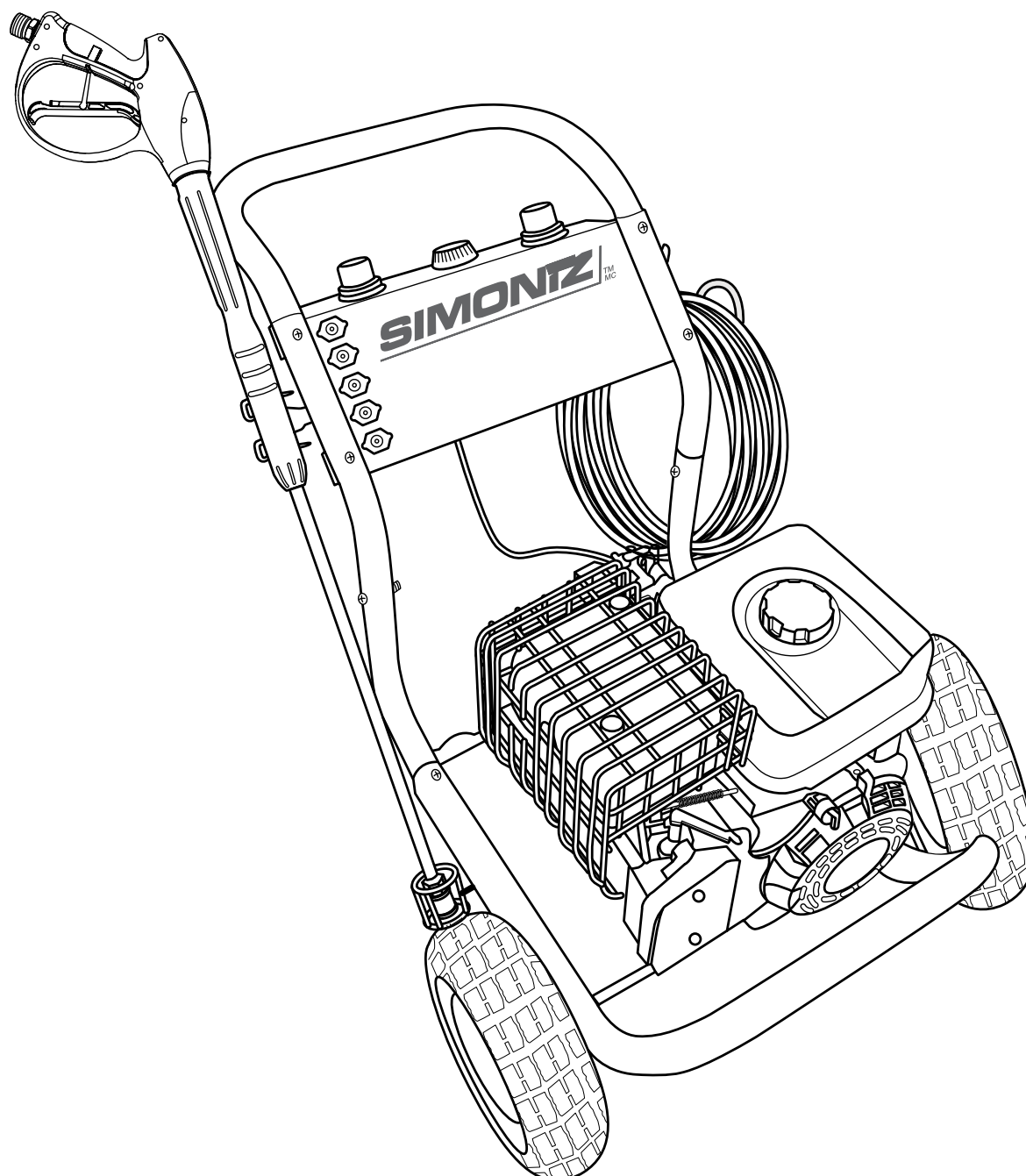




Gasoline Pressure Washer

039-8593



Use and Care Guide

Version no. 01

Congratulations on the purchasing of your new pressure washer. In order to ensure you have the best possible experience please read through the following instruction. If you require any help please contact the customer service department at 1-866-4SIMONIZ (1-866-474-6664).



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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 with **Danger, Warning, or Caution** depending on the risk type.


Read and understand the operating manual and labels on the product. Make yourself familiar with the application and limitations and the specific potential hazards. Know the controls and their proper use. You need 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.

1.2 Safety Warnings

 **DANGER - WORK AREA SAFETY AND EXHAUST FUMES**


- Keep work area clean and well lit. Cluttered and dark areas incite accidents.
- 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.
- Operate the product in a clean, dry and well-ventilated area. 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 areas.

 **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 in areas where the ambient temperature exceeds 40°C (104°F) (such as storage rooms or garages) can interfere with this product's 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 2m away from any buildings, objects, or walls.
- **DO NOT OPERATE THIS PRODUCT INDOORS OR IN CONFINED AREAS.**

 **CAUTION - HOT ENGINE AND MUFFLER**

 **THE ENGINE AND MUFFLER BECOME VERY HOT DURING AND AFTER USE. AVOID TOUCHING THE ENGINE OR THE MUFFLER WHILE THEY ARE STILL HOT.**

 **WARNING - PERSONAL SAFETY**


- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- Use safety equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for 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 power tool on. A wrench or a key left attached to a rotating part of the power tool 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.
- Stay alert, watch what you are doing and use common sense when operating the product.
- 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 be caught in moving parts.
- Do not place your hands or feet near moving parts.

1.2 Safety Warnings

 **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.
- Loose the fuel tank cap slowly to relieve any pressure in the tank.
- Never overfill the fuel tank. Fill tank to no more than 12.5mm below the bottom of the filler neck to provide space for expansion caused by the engine heat.
- 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 vapors 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 alike. Allow the engine to cool before storing indoors.

 **CAUTION - ENGINE SAFETY**

- Certain components in this product and its related accessories contain chemicals are known to cause cancer, birth defects, or other reproductive harm. Wash hands after handling.
- The engine exhaust from this product contains chemicals 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 angle which causes fuel to spill.
- Do not choke the carburettor 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 toward 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 make 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.

1.2 Safety Warnings

 **CAUTION - SPECIFIC SAFETY ADVICE**

- Avoid dangerous conditions. Always operate this product on a 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 it. 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 the engine is running.
- 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 - 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 of the product and void the warranty.

 **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 - WATER**

- For use with cold water only. Do not use this product with other liquids.
- To minimize the amount of water getting into the pressure washer, the product should be placed as far as possible from the cleaning site during operation.
- The water supply system must be protected against backflow.
- Prior to starting the pressure washer in cold weather, make sure there is no ice in any parts of the equipment.
- Never use the 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.

1.2 Safety Warnings

 **CAUTION - SERVICE**

- Before cleaning, repair, inspecting, or adjusting, shut off the engine and make sure that all moving parts have stopped.
- Have your product serviced by qualified 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 5°C. Operating pressure washer under the temperature of 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 cleaner 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 the water supply. Ensure water is running through the pressure cleaner 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 a fuel in the fuel tank, ensure to 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. 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 or call us at 1-866-4SIMONIZ (1-866-474-6664).

 **IMPORTANT - APPLICATIONS**

STAIRS



LAWN EQUIPMENT



VEHICLE



FENCING



DECK OR PATIO



GARAGE FLOOR



DRIVEWAY



SECOND STORY

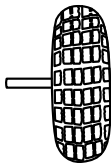
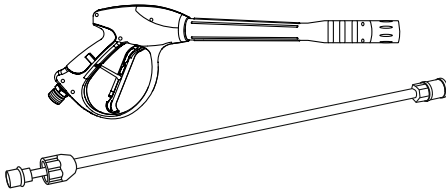
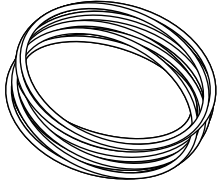
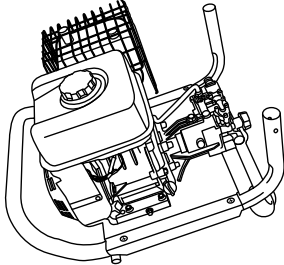
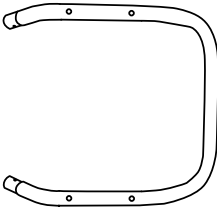

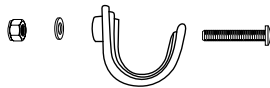
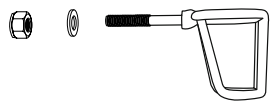


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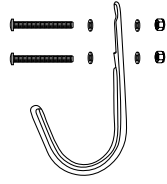
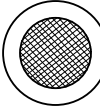





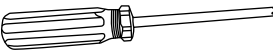
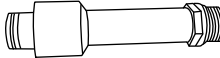



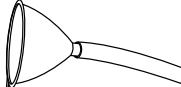


PAINT PREP

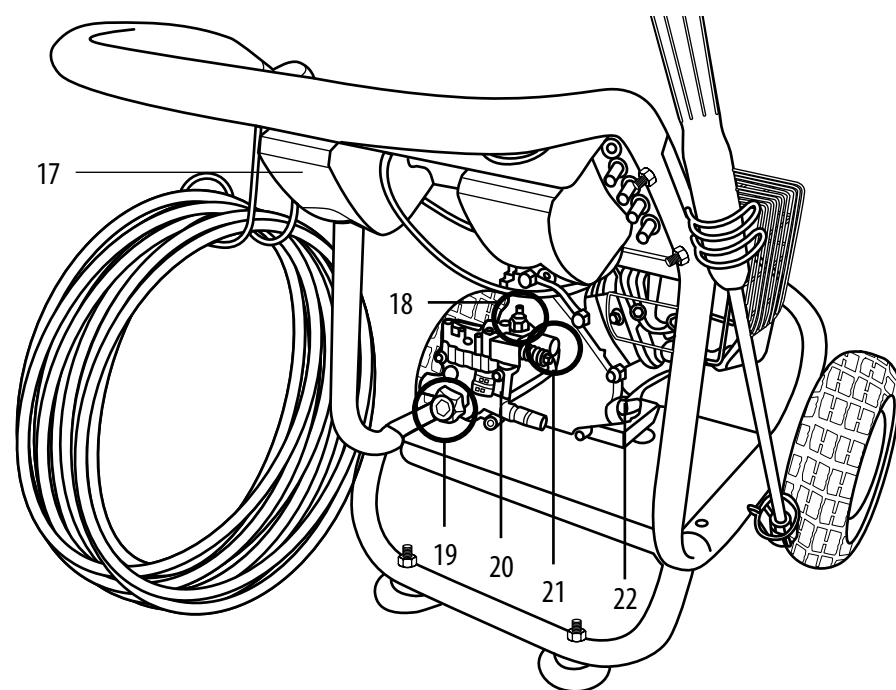
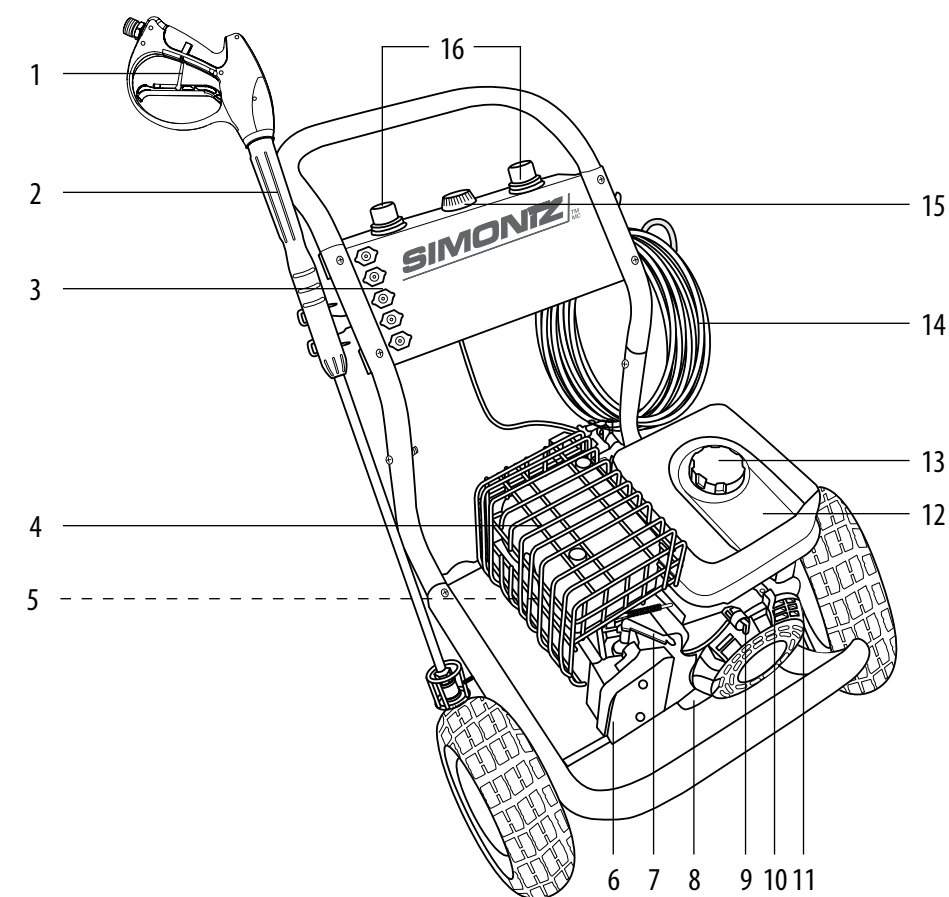
2. SCOPE OF DELIVERY

Ref.	Description	Qty.	Visual
A	Wheel with Axle	2	
B	Spray Gun with Metal Wand	1	
C	High-Pressure Hose (15 meters)	1	
D	Main Frame with Engine	1	
E	Top Handle	1	
F	Main Panel with 5 Spray Nozzles and 2 Detergent Tanks (with 2x M6xXX bolts, 2x M6 nuts and 2x M6 washers)	1	
G	Upper Gun Support (with 2x M6xXX bolts, 2x M6 nuts and 2x M6 washers)	1	
H	Lower Gun Support (with M6 nut and M6 washer)	1	

2. SCOPE OF DELIVERY

Ref.	Description	Qty.	Visual
I	Hose Support (with 2x M6xXX bolts, 2x M6 nuts and 2x M6 washers)	1	
J	Water Inlet Filter	1	
K	M6x40 Bolt	2	
L	M6 Nut	2	
M	M6 Flat Washer	2	
N	Spray Tip Cleaner	1	
O	Spark Plug Wrench	1	
P	Screwdriver	1	
R	Pump Breather	1	
Q	Spare O-Rings (2 for high pressure hose, 1 for quick-connector)	3	
S	Detergent Injection Hose	1	
T	Wrench	1	
U	Oil funnel	1	

3. PARTS LIST



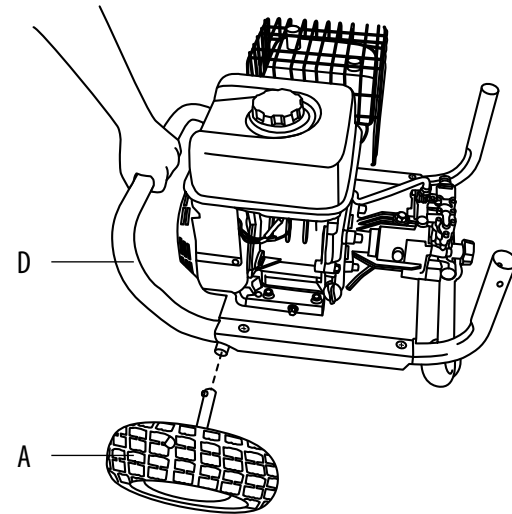
3. PARTS LIST

Ref.	Description
1	Trigger Safety Lock
2	Spray Gun with Wand
3	Spray Nozzles (x5)
4	Muffler
5	Spark Plug
6	Air Filter
7	Choke Lever CHOKE <---> RUN
8	Starter Cord Handle
9	Fuel Valve CLOSE <---> OPEN
10	Throttle Lever   
11	Engine ON/OFF Switch

Ref.	Description
12	Fuel Tank
13	Fuel Tank Cap
14	Pressure Hose (15 meters)
15	Detergent Dial
16	Detergent Tank Caps
17	Detergent Tank
18	Pump Detergent Inlet
19	Pump Fresh Water Inlet 3/4"
20	Pump Unit
21	Water Outlet for Pressure Hose
22	Oil Tank with Dipstick

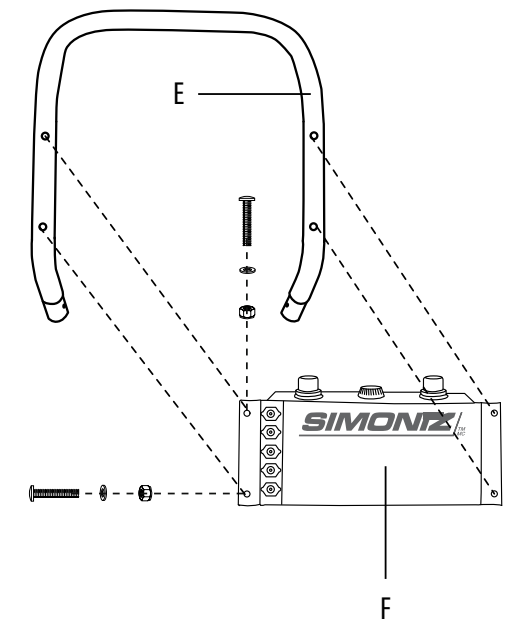
4. ASSEMBLY INSTRUCTIONS

1



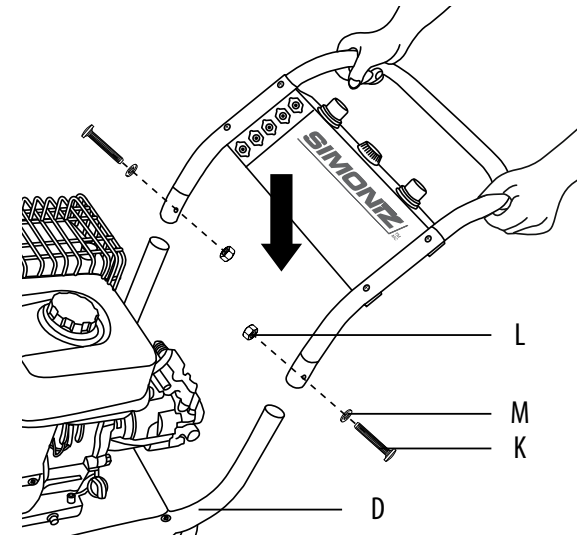
Life the main frame (D) with one hand and attach one of the wheels (A) by pressing the wheel's pin and inserting the wheel shaft into the main frame (D). Align the pin with the hole on the frame (D) until it snaps in. Repeat this procedure for the second wheel (A) on the opposite side.

2



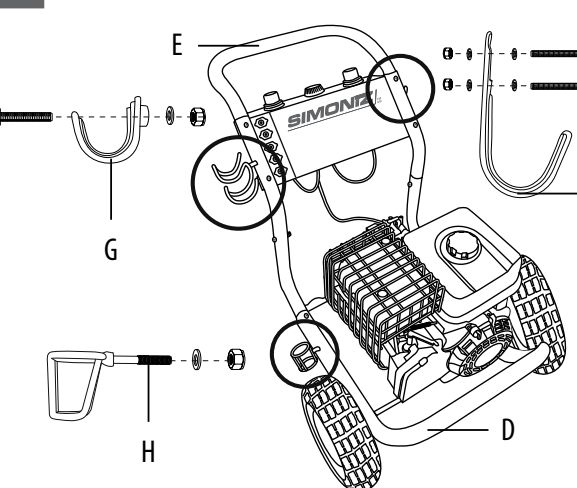
Attach the main panel (F) to the top handle (E), securing it with two **M6xXX** bolts, two M6 nuts and two M6 washers on each side.

3



Attach the top handle assembly (E+F) to the main frame (D) by sliding its tubes into the main frame tubes and securing together with two M6x40 bolts (K), two M6 nuts (L) and two M6 flat washers (M).

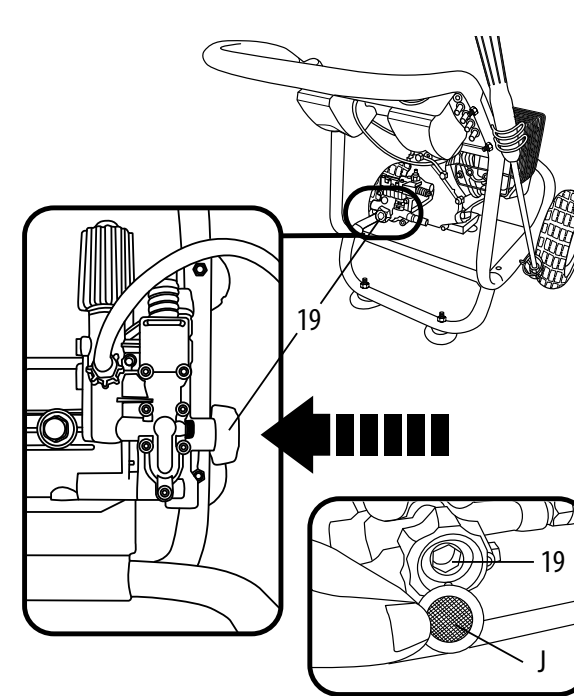
4



- Attach upper gun support (G) to the right side of the top handle (E), securing it with one **M6xXX** bolt, M6 nut and two M6 flat washer.
- Attach lower gun support (H) to main frame (D), securing it with one M6 nut and one M6 flat washer.
- Attach hose support (I) to the left side of the top handle (E), securing it with two **M6xXX** bolts, two M6 nuts and two M6 flat washers.

4. ASSEMBLY INSTRUCTIONS

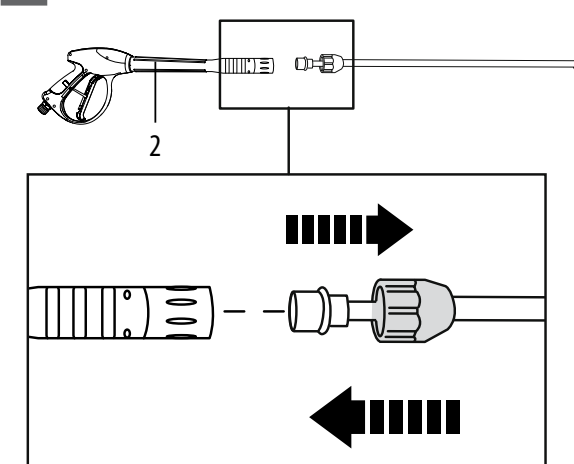
5



Insert the water inlet filter (J) into the pump fresh water inlet (19). Then attach a garden hose or other means of water supply (not provided) to the pump inlet (19). Make sure the quick-connect coupling is well tightened.

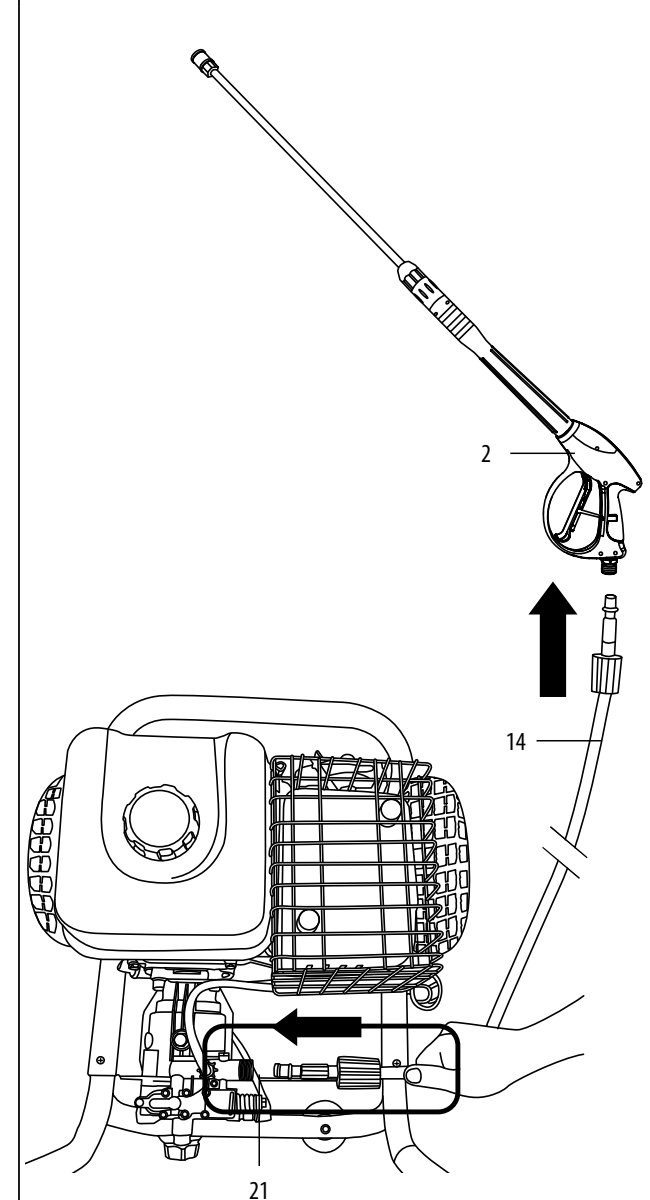
The water flow rate must not fall below 18 litres per minute LPM (4 gallons per minute GPM), or the pump might be damaged.

6



Assemble the spray gun with the metal wand (2). Pull back the rubber piece to expose the threaded fitting. Then, screw the two pieces together and move the rubber piece back.

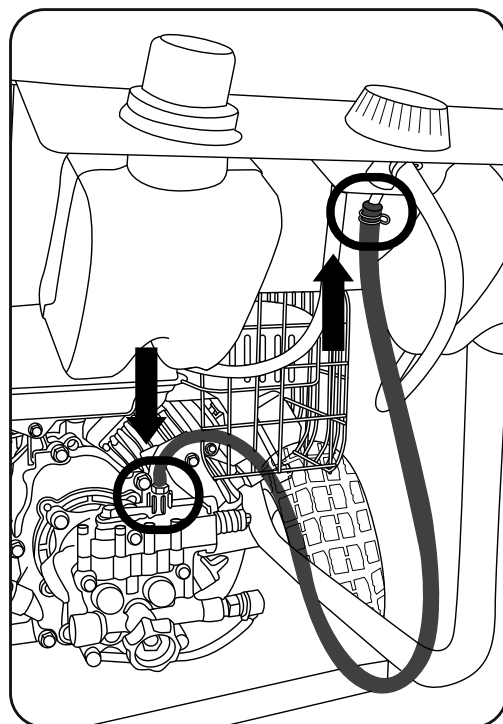
7



Attach one end of the pressure hose (14) to the spray gun (2) and the other end to the pump water outlet (21).

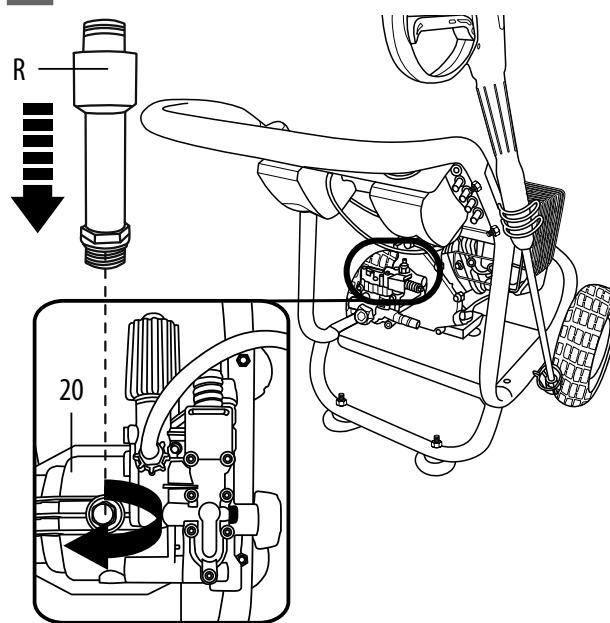
4. ASSEMBLY INSTRUCTIONS

8



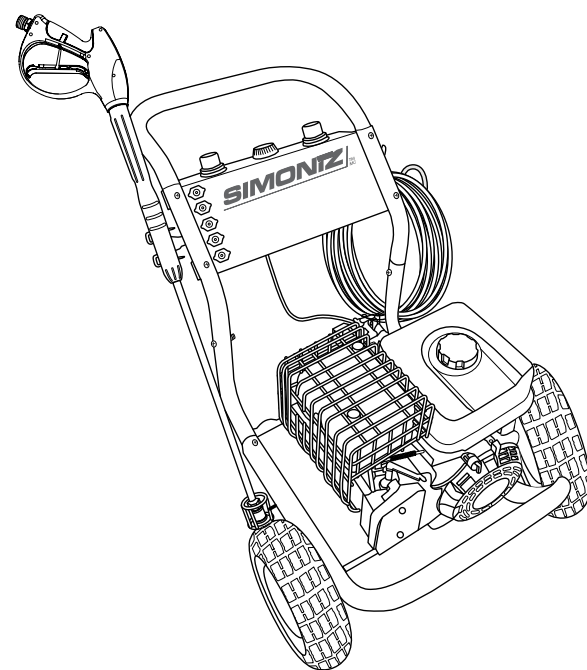
Attach the detergent injection hose (S) to the detergent tank outlet and then to the pump detergent inlet (18). Secure with clams on both sides.

9



Use a wrench (T) to unscrew the hex screw on the pump unit (20), and then with your hand screw the pump breather (R) in.

10



Now your pressure cleaner is fully assembled and ready to use.

CAUTION

Do not operate the product before you read and fully understand next chapter → *Engine operation*.

5. ENGINE OPERATION

5.1 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.

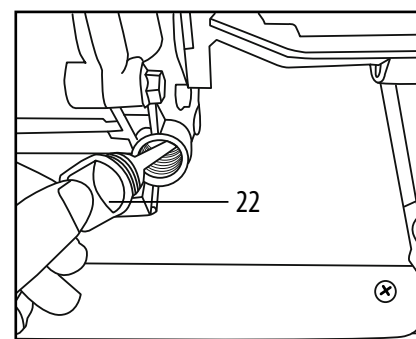
WARNING

- Always check the oil level before starting the engine, making sure the pressure cleaner is on a level surface.
- Always use oil type - **SAE 10W30** in summer and **SAE 5W30** in winter.

1. Remove oil tank dipstick (22) and wipe it with a clean cloth.
2. Replace and retighten the dipstick (22).
3. Remove the dipstick (22) 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 (22).

Tip: when adding oil use provided oil funnel (U).

11



10W30

OIL TANK CAPACITY: 0.6 L

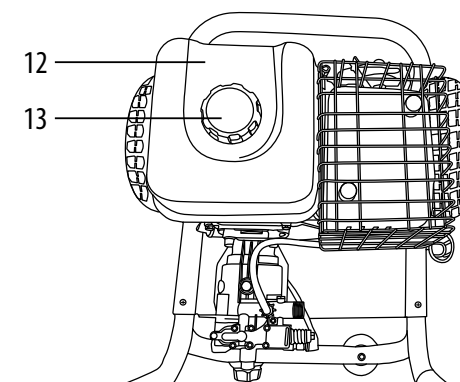
5.2 Adding Fuel

WARNING

- Make sure there is enough fuel in the fuel tank before operating the pressure cleaner.
- Use only clean, fresh and 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 2 minutes before removing the fuel cap (13).
2. Clean the fuel cap area of dirt and debris. Remove the fuel cap (13) and make sure the fuel filter is in place.
3. Fill the fuel tank (12) with fuel. Do not overfill fuel tank. To allow for expansion of the fuel, do not fill above the bottom of the fuel tank neck.
4. Reinstall the fuel cap (13).

12



FUEL TANK CAPACITY: 3.8 L

IMPORTANT

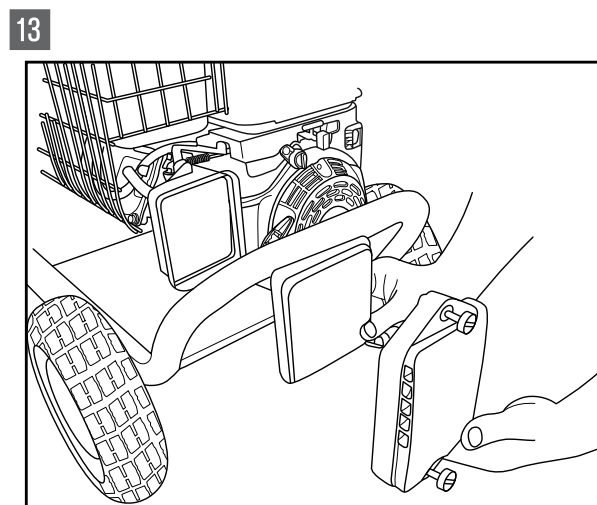
- Keep fuel away from sparks, open flames, pilot lights, heat, and other ignition sources.
- Check fuel hoses, tank, caps, and fittings frequently for cracks or leaks. Replace if necessary.
- If fuel spills, wait until it evaporates before staging engine.
- Fill the fuel tank outdoors or in well-ventilated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

5. ENGINE OPERATION

5.3 Checking Air Filter

➔ IMPORTANT

The air filter (6) should be checked annually, after prolonged storage or after 25 hours of usage.



Use the flat screwdriver to loosen two screws on the air filter cover and remove the cover. Take out the air filter (6) and wash it with clean water. Next, soak the filter in engine oil, and then squeeze the oil out. Place the air filter (6) back and replace the air filter cover.

5.4 Starting Engine

➔ IMPORTANT

If you have problems starting the pressure cleaner, 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 - PRE-OPERATION CHECK

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.

1. Set the engine **ON/OFF** switch (11) to **ON** position.
2. Move the throttle control (10) to fast position.
3. Move the fuel valve (9) to **OPEN** position.
4. Move the choke lever (7) to **CHOKE** position.
5. Pull the starter cord handle (8) slowly until resistance and then pull rapidly to avoid kickback.
6. Let the engine warm up and then move the choke lever (7) to the **RUN** position.

⚠ CAUTION

Return the starter cord handle (8) gently to its starting position to prevent damage to the starter or the housing.

5.5 Stopping Engine

- To stop the engine move the choke lever (7) to the **CHOKE** position and then set the engine **ON/OFF** switch (11) to **OFF** position.
- Finally move the fuel valve (9) to **CLOSE** position.

6. OPERATING INSTRUCTIONS

6.1 Using Spray Nozzle

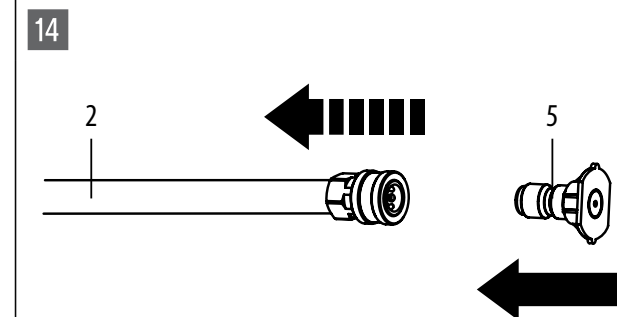
This pressure cleaner comes with 5 different nozzles (5) that can be installed on the stainless steel wand (2).

The spray pattern is adjusted by installing the appropriate spray nozzle (5).



- 0° (red):** thin and powerful stream of water for difficult stains and debris removal
- 15° (yellow):** thin-angled spray for detailed cleaning
- 25° (green):** medium-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. Only use this nozzle when using a detergent.

Installing spray nozzle to the quick-connect coupler:



Pull the coupler ring backwards and insert the desired nozzle (5). Release the coupler ring to lock it back in place.

6.2 Water Supply (Cold Water Only)

- The unit must be used with cold water supply only. The water hose must be at least 13mm (1/2") 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 60°C (140°C).

6.3 Adjusting Water Pressure

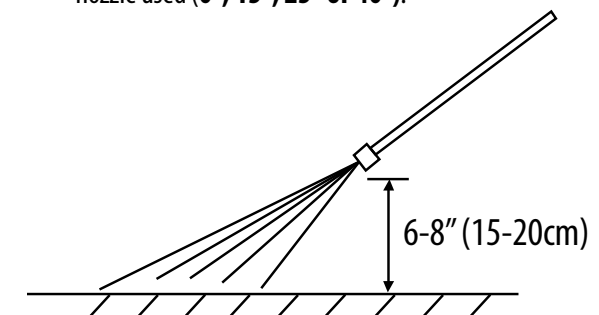
The water pressure can be adjusted using the throttle lever (10).



- Move the throttle lever (10) to fast position to increase the engine speed, thus increasing the water pressure. Move it towards slow position to decrease the engine speed, thus decreasing the water pressure.

6.4 Using Pressure Cleaner

- Start the engine (➔ *Starting Engine*).
- Install appropriate spray nozzle (5).
- Release the safety trigger lock (1) if it is locked.
- Purge the air by squeezing the trigger on the gun until there is a steady stream of water.
- Position the tip of the wand (2) 15-20cm (6-8") away from the surface to be cleaned, at an angle appropriate to the spray nozzle used (0°, 15°, 25° or 40°).



⚠ WARNING - INJECTION HAZARD

- Pressure cleaner 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

- 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.

6. OPERATING INSTRUCTIONS


6.5 Cleaning with Detergents

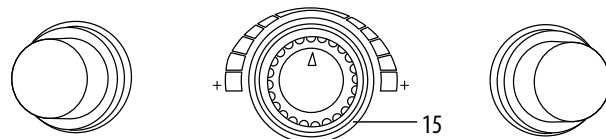
➔ IMPORTANT

This pressure cleaner is intended for use with special pressure cleaner detergents only. Do not use powdered soaps, which would 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.

- When using detergent always use black detergent nozzle.
- When applying detergents, always operate the unit at a low water pressure (throttle lever (10) set to slow  position). This provides a gentle application of the detergent, with the water pressure equivalent to a garden hose. Always test the detergent in a concealed area before use.
- Pour two type of detergents into separate detergent tanks (17). It is recommended to have one detergent tank filled with All-Purpose detergent, and the other filled with a more specific cleaning detergent, depending on the surface to be cleaned.
- The liquid detergent will be mixed with water automatically, being discharged through the detergent nozzle at a low pressure.
- Use the detergent dial (15) to control the type and amount of detergent used using the scale as reference.
- Set the detergent dial (15) to **OFF** position in order to shut off detergent supply.



- Allow detergent to remain on the surface for a short time before rinsing. Do not allow detergent to dry on the surface.
- Rinse with clean water under high pressure.

⚠ 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.

6.6 Shutting Down and Cleaning Up

1. Skip this step if you are not using detergent. After cleaning with detergent, fill the detergent tank (17) with clean water. Spray water at a low pressure for one minute, so that all detergent is flushed away from the system.
2. Stop the engine (➔ *Stopping Engine*).
3. Turn off the water supply and disconnect the water supply from the water inlet (19).
4. Pull the gun trigger to release any remaining water pressure.
5. Engage the trigger safety lock on the spray gun and rest the gun on lower and upper supports (G, H).

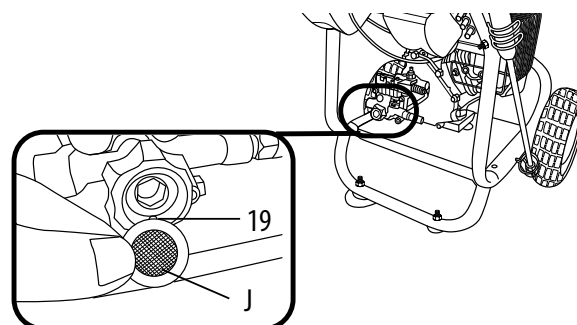
⚠ WARNING

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.

7. CLEANING AND MAINTENANCE

7.1 Cleaning Water Inlet Filter

- This pressure cleaner is equipped with a water inlet filter (J).
- The water inlet filter (J) must be kept clean at all times, otherwise it can restrict the water flow to the pump unit (20) and damage it.
- Remove the quick-connect coupler from the water inlet, then remove and clean the water inlet filter (J).



7. CLEANING AND MAINTENANCE

⚠ WARNING

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

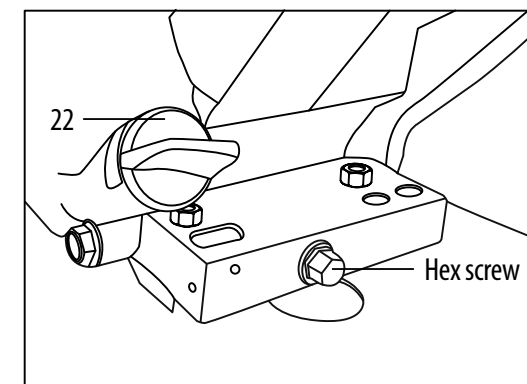
7.2 Engine Maintenance

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 6 months.

To drain the engine oil:

1. Loosen the oil tank dipstick (22).
2. Place an oil container underneath the opening on the main frame (D).
3. Remove the hex screw and drain the oil.
4. Once the oil has been completely drained, retighten the hex screw.



Recommended Engine Oil

Add oil as described in chapter ➔ *Adding/Checking Oil*.

➔ IMPORTANT

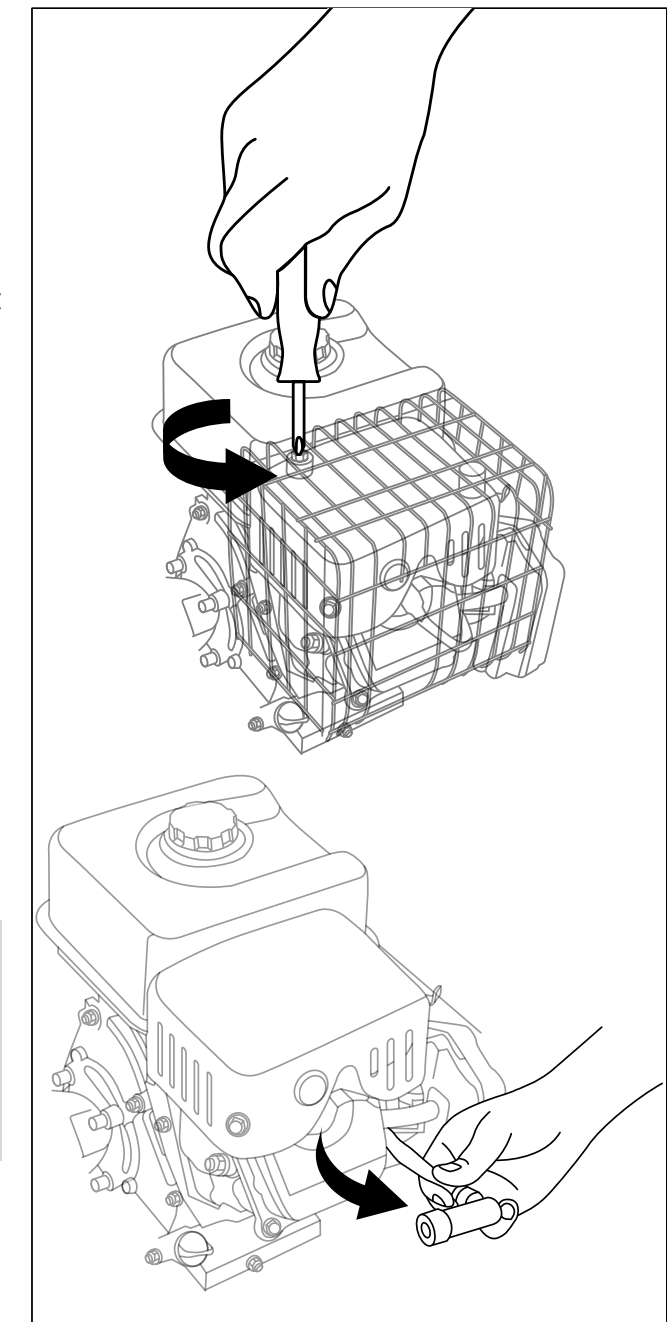
Used oil is a hazardous waste product and must be disposed of properly. Do not discard with household waste. Check with your local authorities, service center, or dealer for safe disposal/recycling facilities.

Inspecting, Replacing or Cleaning the Spark Plug

The spark plug should be checked every 100 hours of operation or every 6 months.

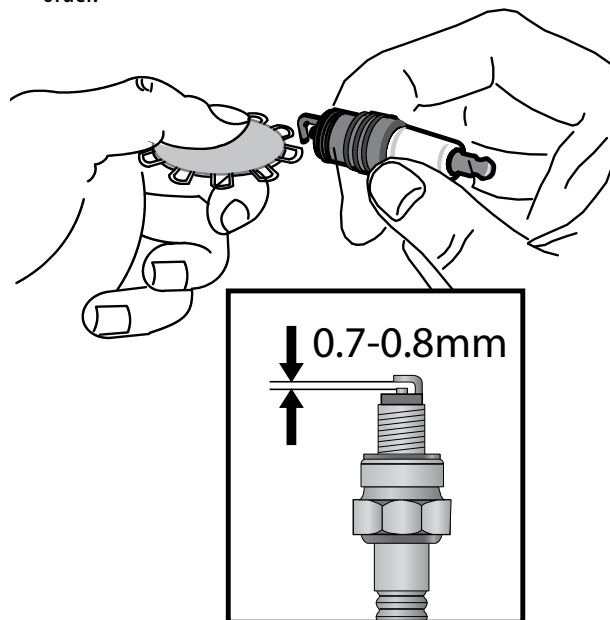
To replace or clean the spark plug:

1. Remove the protection cage of the muffler by unscrewing its both screws using provided screwdriver (P).
2. Disconnect the spark plug wire by pulling it off the spark plug.
3. Using provided spark plug wrench (O), 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.



7. CLEANING AND MAINTENANCE

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



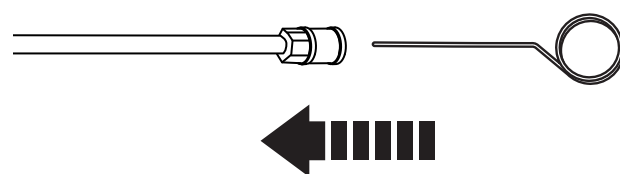
Note: In some areas, local law requires using a resistor spark plug to suppress ignition signals. If this engine was originally equipped with a resistor spark plug, use the same type for replacement.

7.3 Cleaning the spray tip

! WARNING

Clogging of the spray tip increases the water pressure and might damage the pump unit (20).

- Clean the spray tip (12) by carefully inserting the provided spray tip cleaner (N), or a thin, sharp object (e.g., paper clips) into the tip to remove deposits.



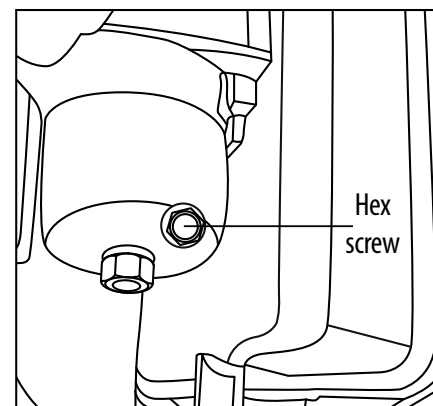
7.4 Storing

Store idle product out of the reach of children and do not allow persons unfamiliar with the product or these instructions to operate it. This product is dangerous in the hands of untrained users. Cover and store indoors, in a dry, well-ventilated area, such as a tool-shed.

Long term storage of the pressure cleaner requires additional preventative measures to protect it against deterioration.

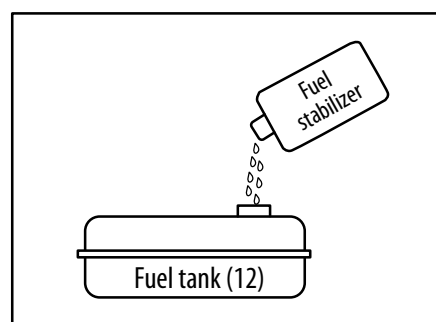
1. Drain fuel

- Move the fuel valve (9) to **CLOSE** position and remove the hex screw from the carburetor. Then, move the fuel valve (9) to **OPEN** position to drain the fuel from the tank, carburetor, and hose. Screw the carburetor drain hex screw back once the fuel has been completely drained.



2. Add fuel stabilizer

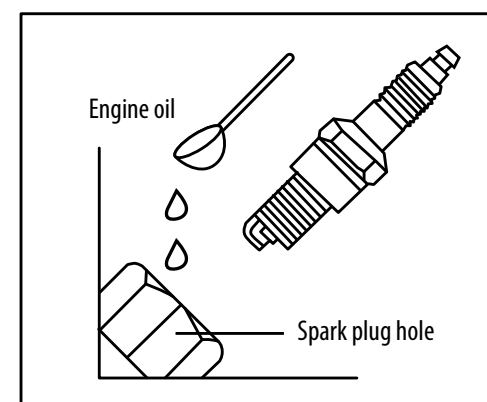
- If you do not wish to drain the fuel tank (12), add a fuel stabilizer into the fuel tank (12). Run the engine at least five minutes after adding the stabilizer to distribute it inside the fuel system.



3. Drain oil

- Drain the oil (→ *Draining Engine Oil*).
- Remove the spark plug.
- Pour one tablespoon of oil through the spark plug hole - type 10W30 in summer and 5W30 in winter.

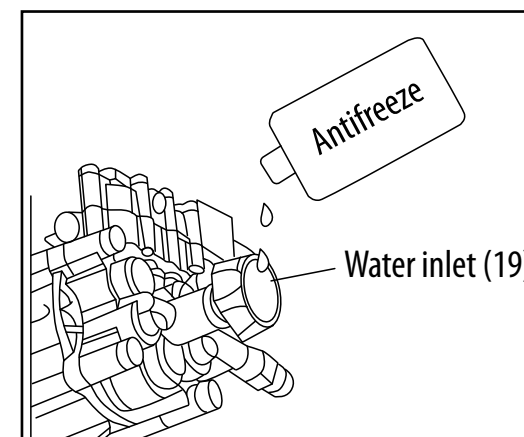
7. CLEANING AND MAINTENANCE



- Make sure the engine **ON/OFF** switch (11) is set to **OFF** position. Slowly pull the starter cord handle (8) until you feel tension, which indicates the piston is on its compression stroke and leave it in this position.
- Replace the spark plug.

7.5 Winterizing Procedures

- Pressure cleaner might be damaged if subjected to freezing temperatures. This type of damage if not covered by the limited warranty. To avoid possible damages, use a small amount of antifreeze.
- Place the pressure cleaner on its side, with the water inlet (19) facing upwards, and pour 1/4 cup of antifreeze into the water inlet (19).
- Make sure the engine **ON/OFF** switch (11) is set to **OFF** position and pull the starter cord handle (8) several times to distribute the antifreeze inside the pump system.
- When taking the pressure cleaner out of storage, run water through the system until it runs clear.



➔ IMPORTANT

- If the pressure cleaner is to be stored with gasoline in the fuel tank and carburetor, it is important to reduce the hazard of gasoline vapor 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 cleaner 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 log splitter, promoting rust and corrosion.

8. TECHNICAL DATA

Maximum Pressure	3200 PSI
Rated Water Pressure	2500 PSI
Maximum Water Volume	18 litres per minute LPM (4 gallons per minute GPM)
Minimum Inlet Pressure	20 PSI
Maximum Inlet Pressure	90 PSI
Pump Type	Heavy-duty maintenance free axial cam
Thermal Relief Valve	Included
Detergent Tank (Volume)	0.75 l each (0.2 Gal)
Maximum Temperature of Pumped Fluid	60°C (140°C)
Engine Power (OHV)	6.0 HP
No Load Speed	3,600 RPM
High Pressure Hose Length	15m (50")
Inlet & Discharge Ports	13mm (1/2") standard garden hose connector
Displacement	196 (cc)
Net Weight	37 kg (81.6 lbs)
Oil Type	SAE 10W30 in summer SAE 5W30 in winter
Oil Capacity	0.6 l
Fuel Type	Unleaded Gasoline
Fuel Tank	3.8 l

9. TROUBLESHOOTING

Symptom	Cause	Solution
The engine does not start (or stops during operation).	Low oil shutdown.	Fill the engine with oil.
	The engine switch is not in the ON position.	Turn the switch to the ON position.
	Pressure has built up in the pressure hose.	Pull the trigger while starting.
The engine emits abnormal noises (it might be overloaded).	The nozzle is partially blocked.	Clean the nozzle with the provided needle or a paper clip.
	Excessive pressure.	Shorten the spring coil of the reflux valve.
The engine is running, but the pump will not build maximum pressure or has irregular pressure.	The faucet is closed.	Open the faucet.
	The unit has been stored in freezing temperatures.	Thaw out the unit completely, including hose, gun, and wand. If the machine still does not work, call the Simoniz toll-free number.
	Inadequate water supply.	Provide a minimum of 4 GPM at 20 PSI.
	The water inlet screen is clogged.	Clean the screen.
	Kink in the garden hose.	Straighten the garden hose.
	The wand tip is worn or damaged.	Replace the wand.
	Air in the pump.	Let it run with the gun open and the wand removed until a steady stream of water is released.
	The engine speed is not set to the maximum position.	Set the throttle to the maximum position.

Symptom	Cause	Solution
No intake of detergent.	The injection tube is not securely inserted into the unit.	Push in the injector fitting firmly.
	The tube is cracked or split.	Replace the tube.
	Wrong nozzle.	Switch to the low-pressure nozzle.
	The injector dial is turned OFF .	Turn it counter-clockwise.
	The injection tube strainer is clogged.	Clean the strainer.
	The nozzle is blocked.	Clean the nozzle.
	The detergent injector is clogged.	Dissolve it by running warm water.
The trigger will not move.	The gun safety lock is engaged.	Release the safety lock.
Water in the oil tank.	High humidity.	Change the oil more frequently.
	Worn seals.	Change the oil seals.
Noisy operation.	Worn bearings.	Change the bearings.
	Air mixed with water.	Check the inlet lines for restrictions and/or proper sizing.
High temperatures in the oil tank.	Wrong grade of oil.	Use SAE 10W-30 oil.
	Improper amount of oil in the oil tank.	Adjust the oil level to the recommended amount.
Rough/pulsating operation with pressure drops.	Inlet restriction.	Check the system for blocks, air leaks, correctly sized inlet, and plumbing to the pump.
	Air mixed with water.	Check the inlet lines for restrictions and/or proper sizing.

IF YOU ENCOUNTER ANY ADDITIONAL DIFFICULTIES NOT LISTED,
VISIT OUR WEBSITE AT
WWW.SIMONIZ.CA
OR CALL CUSTOMER SERVICE FOR HELP AT
1-866-4SIMONIZ (1-866-474-6664).

10. WARRANTY

Product Warranty

Always keep your receipt as proof of purchase.

We're here to help! 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, Product Exchange and/or Repair Warranty only. **NO REFUNDS** will be provided. Please see stores for Product Exchange details.

Two-(2) Year Warranty - Motor

This product is guaranteed to be free from defects in material and workmanship for two years from the date of its original purchase. If such a defect appears during the warranty period, upon presentation of proof of purchase, Trileaf Distribution will repair or replace the product (at its discretion). Shipping charges may apply.

Ninety-(90) Day Warranty - Accessories

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

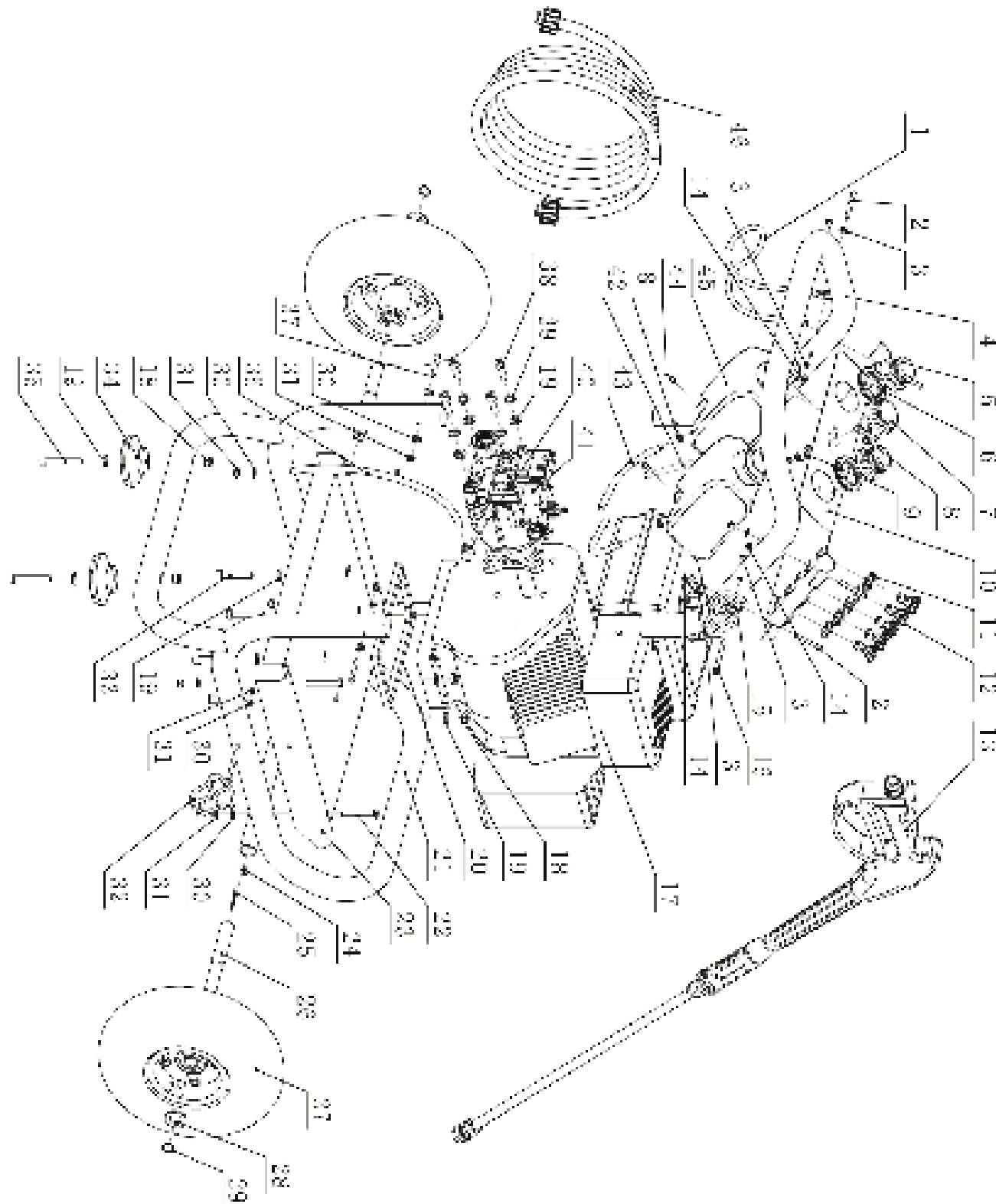
This warranty does not cover accidental damage, unreasonable use, normal wear and tear, use of improper detergents, freezing, neglect, or non-compliance with the Operating Instructions. The warranty does not cover loss of use or other consequential damages arising from any of the above, nor does it cover 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) or call 1-866-4SIMONIZ (1-866-474-6664).

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

11. EXPLOSION VIEW



11. EXPLOSION VIEW

Ref. #	Description	Qty.
1	Hose support	1
2	M5x45 Screw	6
3	Ø5 Flat Washer	9
4	Handle	1
5	Detergent Tank Cap	2
6	Detergent Tank Gasket	2
7	Detergent Tank Dial	1
8	Spring Lock	5
9	Detergent Tank Switch Nut	1
10	Panel	1
11	Nozzle Grommet	5
12-1	0° nozzle (red)	1
12-2	15° nozzle (yellow)	1
12-3	25° nozzle (green)	1
12-4	40° nozzle (white)	1
12-5	Detergent nozzle (black)	1
13	Spray Gun with Wand	1
14	M5 Nut	7
15	Upper Gun support	1
16	M5x50 Screw	1
17	Gasoline engine	1
18	M8 Nut	6
19	Ø8 Flat Washer	14
20	Engine rubber isolator	1
21	Main Frame	1
22	M6x45 Screw	4
23	Baseboard	1
24	Clip	2
25	Spring Wire	2
26	Wheel Shaft	2
27	10" (25.4 cm) Wheel	2
28	Ø16 Flat Washer	2
29	Circlip	2
30	Ø6 Flat Washer	9
31	M6 Nut	7
32	Lower Gun support	1
33	Inner M8x40 Hex Screw	4
34	Rubber foot	2

Ref. #	Description	Qty.
35	Inner M8x45 Hex Screw	2
36	Drain Pipe	1
37	M6x40 Screw	2
38	Inner M8x25 Hex Screw	4
39	Spring Gasket 8	4
40	Thermal Relief Cap	1
41	High-Pressure Pump	1
42	(Short) Injection Hose	2
43	(Long) Injection Hose	1
44	M5x16 Screw	2
45	Detergent Tank	2
46	15m (30") High-Pressure Hose	1