Bullmax
TOUGH TOOLS & EQUIPMENT

PRESSURE WASHER

OPERATOR'S MANUAL



MODEL

MODEL NUMBER : 24634
SKU 100970

SERIAL NUMBER

_____

PURCHASE DATE

_____

Both model number and serial number may be found on the main label. You should record both of them in a safe place for future use.

FOR YOUR SAFETY

READ AND UNDERSTAND THE ENTIRE MANUAL BEFORE OPERATING MACHINE

Save This Manual for Future Reference
Original Instruction

www.bullmax.com.au
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INTRODUCTION

Your new pressure washer will more than satisfy your expectations. It has been manufactured under stringent quality standards to meet superior performance criteria. You will find it easy and safe to operate, and with proper care, it will give you many years of dependable service.

Carefully read through this entire operator's manual before using your new pressure washer. Take special care to heed the cautions and warnings.

Your pressure washer has many features that will make your job faster and easier. Safety, performance, and dependability have been given to top priority in the development of this machine, making it easy to maintain and operate.

The **Engine manufacturer** is responsible for all engine-related issues with regards to performance, power rating, specifications, warranty and service. Please refer to the **Engine Manufacturer** 's owner's/operator's manual, packed separately with your unit, for more information.

SPECIFICATIONS

Model Number		24634
Engine		224 cm^3
Allowable Pressure		23.5 Mpa
Rated Pressure		19.5 Mpa
Rated Flow		10 L/min
Weight		38.2 kg
Noise emission	Emission sound pressure level	LpA=93.2dB, K=3dB
	Sound power level	LwA=107.2dB, K=3dB
	Guaranteed sound power level	110dB(A)
Main Handle Vibration		ah≤2.5m/s^2, K=1.5m/s^2

This product is designed and rated for continuous operation at ambient temperatures up to 104°F(40°C). If needed, this product can be operated at temperatures ranging from 41°F(5°C)-122°F(50°C) for short periods. If the product is exposed to temperatures outside of this range during storage, it should be brought back within this range before operation.

RECYCLING AND DISPOSAL



This marking indicates that this product should not be disposed with other household wastes. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or check with your local authority or local stores for advice of environmental safe recycling.

SYMBOLS

The rating plate on your machine may show symbols. These represent important information about the product or instructions on its use.



DANGER!

WARNING!

CAUTION!



Read these instructions carefully.



Wear approved hearing protection.



Wear eye protection with side shields marked to comply with ANSI Z87.1.

Do not touch parts that are hot from operation. Serious burns may result.



Engine parts, especially the muffler, become extremely hot during operation. Allow engine and muffler to cool before touching.



Do not remove or tamper with the protection and safety devices.



Check for hose kinks. Low water pressure can damage the pump.



Do not connect to potable water system.



Stabilise the machine while pulling the hose to avoid tipping!



Do not point the spray gun at persons, pets, or electrical devices. High-pressure spray can cause severe injury.



Do not connect to hot water above 104°F(40°C), it will reduce the seal life, or out of the pressure range and cause damage.



Do not use the bare hand for checking on possible leakages.



Explosion Hazard.



Gasoline and its vapours are extremely flammable and explosive. Never fuel the machine indoors or while the engine is hot or running. Wipe up any gasoline that spills. Keep away from any inflammables when operating the engine.



Chemical Burn Hazard. Chemicals could cause burns resulting in death or serious injury.



Lifting Hazard.



Electrocution Hazard.



Kickback. Hold spray gun securely.



Slippery Surface.



Fall Hazard



Shut off the engine, disconnect spark plug wire, and make certain all moving parts have stopped before cleaning, repairing, or inspecting the unit.

SAFETY

GENERAL SAFETY RULES

UNDERSTAND YOUR MACHINE

Read this manual and all labels affixed to the machine to understand limitations and potential hazards before attempting to assemble this machine. Read, understand, and follow all instructions on the machine and in the manuals before operation.

Become thoroughly familiar with the controls and their proper operation. Know how to stop the machine and disengage the controls quickly.

Make sure to read and understand all the instructions and safety precautions as outlined in the Engine Manufacturer's manual packed separately with your unit. Do not attempt to operate the machine until you fully understand how to properly operate and maintain the engine and how to avoid accidental injuries and/or property damage.

Keep this manual and engine manual in a safe place for future and regular reference.

If the unit is to be used by someone other than original purchaser (or is loaned, rented, or sold), always provide this manual and any needed safety training before operation. The user can prevent and is responsible for accidents or injuries that may occur to themselves, other people, and property.

This machine is not a toy, and is to be used only for its intended purpose. Therefore, exercise extreme caution at all times. This machine has been designed specially for the purpose of removing loose paint, mould, algae, grime, dust, mud, chewing gum and dirt from surfaces and objects like buildings, fences, masonry, some vehicles and concrete or asphalt surfaces such as driveways, patios, steps, and more. Do not use it for any other purpose.

Do not force the machine. Use the correct machine for your application. The correct machine will do the job more efficiently and safely at the rate it was designed.

PERSONAL SAFETY

Do not permit children to operate this machine at any time.

Keep children, pets, and other people not using the unit away from the work area. Be alert and shut off the unit if anyone enters work area. Keep children under the watchful care of a responsible adult.

Do not operate the machine while under the influence of drugs, alcohol, or any medication that could affect your ability to use it properly.

Dress properly: Wear long, heavy pants, work boots, and work gloves. Do not wear loose clothing, short pants, or jewellery of any kind. Secure long hair so it is above shoulder level. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewellery, or long hair can be caught in moving parts.

Protect eyes, face, and head from objects that may be thrown from the unit. Always wear safety goggles or safety glasses with side shields when operating.

Wear appropriate hearing protection.

Always keep hands and feet away from all moving parts during operation. Moving parts can cut or crush body parts.

Always keep hands and feet away from all pinch points.

Do not touch parts that might be hot from operation. Allow parts to cool before attempting to maintain, adjust, or service.

Stay alert, watch what you are doing, and use common sense when operating the machine.

Do not overreach. Do not operate the machine 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. Keep proper footing and balance at all times. This enables better control of the machine in unexpected situations.

INSPECT YOUR MACHINE

Check your machine before starting it. Keep guards in place and in working order. Make sure all nuts, bolts, etc., are securely tightened.

Never operate the machine when it is in need of repair or is in poor mechanical condition. Replace damaged, missing, or failed parts before using it. Check for fuel leaks. Keep the machine in safe working condition.

Do not use the machine if the engine's switch does not turn off the engine when running. Any gasoline powered machine that can't be controlled with the engine switch is dangerous and must be replaced.

Regularly check to see that keys and adjusting wrenches are removed from the machine area before starting it. A wrench or a key that is left attached to a rotating part of the machine may result in personal injury.

Avoid accidental starting. Be sure the engine's switch is off before transporting the machine or performing any maintenance or service on the unit. Transporting or performing maintenance or service on a machine with its switch on invites accidents.

If the machine should start to vibrate abnormally, stop the engine (motor) and check immediately for the cause. Vibration is generally a warning sign of trouble.

ENGINE SAFETY

If a spark arrestor is used, it should be maintained in

effective working order by the operator. In the State of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands.

Never start or run the engine inside a closed area. The exhaust fumes are dangerous, containing carbon monoxide, an odourless and deadly gas. Operate this unit only in a well-ventilated outdoor area.

Do not tamper with the engine in an effort to get it to run at higher speeds. The maximum engine speed is preset by the manufacturer and is within safety limits. See engine manual.

Keep a Class B fire extinguisher on hand when operating this machine in dry areas as a precautionary measure.

FUEL SAFETY

Fuel is highly flammable, and its vapours can explode if ignited. Take precautions when using 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. While adding fuel or operating the unit, do not smoke, and stay away from sparks, open flames, or other sources of ignition near the area of operation. Never fill the fuel tank indoors.

To avoid sparking or arcing, keep grounded conductive objects – such as tools – away from exposed, live electrical parts and connections. 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 machine with known leaks in the fuel system.

Loosen the fuel tank cap slowly to relieve any pressure in the tank.

Never overfill the fuel tank. Because engine heat can cause fuel to expand, never fill the tank to more than 1/2" below the bottom of the filler neck. This will provide space for fuel expansion.

Replace all fuel tank and container caps securely and wipe up spilled fuel. Never operate the unit without the fuel cap securely in place.

Avoid creating a source of ignition for spilled fuel. If fuel is spilled, do not attempt to start the engine. Instead, move the machine away from the area of spillage and avoid creating any source of ignition until fuel vapours have dissipated.

When fuel is spilled on yourself or your clothes, wash your skin and change clothes immediately.

Store fuel in containers specifically designed and approved for fuel storage.

Store fuel in a cool, well-ventilated area, safely away from sparks, open flames, or other sources of ignition.

Never store fuel – or a machine 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, or clothes dryer). Allow the engine to cool before storing in any enclosure.

PRODUCT LIABILITY

As referred to in the product liability laws, we are not liable for damages that our product causes if:

- the product is incorrectly repaired.
- the product is repaired with parts that are not from the manufacturer or not approved by the manufacturer.
- the product has an accessory that is not from the manufacturer or not approved by the manufacturer.
- the product is not repaired at an approved service centre or by an approved authority.

SPECIFIC SAFETY RULES

Identify hazards and take preventive steps to avoid accidents and minimise risk. Possible hazards include, but are not limited to, moving parts, thrown objects, weight of the machine and components, and the operating environment.

PRIOR TO STARTING

Remove all toys, bikes, lawn furniture, etc. from the work area if they should not be sprayed.

Sweep any loose dirt and debris from the surface you will be pressure washing. Thrown objects can cause serious personal injury.

Cover nearby plants to avoid damaging them with pressure washer spray.

Cover or avoid spraying windows as high-pressure spray can break them.

Do not let the unit freeze. Frozen water in the pump will cause serious damage.

If water has frozen in the pressure washer, thaw the pressure washer in a warm room before starting.

Before starting your pressure washer: make sure the shields, guards, and safety devices are properly affixed to machine, check the oil level, and make sure all nuts and bolts are tight.

Ensure the high pressure hose, spray gun, nozzles and accessories are properly connected before using the product.

Completely uncoil the garden hose and make sure the hose is not being restricted by tyres, rocks, or any other objects that may lessen or prevent water flow to the pressure washer.

Move the machine at least 10 feet away from the refuelling point before starting engine.

OPERATION SAFETY

Never operate the pressure washer without good visibility or light.

For outdoor use only.

Always wear protective goggles when operating the unit to shield the eyes from flying debris and detergents. (Safety glasses do not provide full protection).

Wear protective foot gear and keep good footing and balance at all times. Use of pressure washer can create puddles and slippery surfaces.

Be extremely careful if you must use the pressure washer from a ladder, scaffolding, or any other similar location. Never trigger the gun while on a ladder or roof.

Do not use acids, alkalines, solvents, flammable material, bleaches, or industrial grade solutions in this product. These products can cause physical injuries to the operator and irreversible damage to the machine. Use only detergents designed for pressure washer.

ONLY use cold water.

Always observe all local regulations when connecting hoses to the water main. Some areas have restrictions against connecting directly to public drinking water supply to prevent the feedback of chemicals into the drinking water supply. Direct connection through a receiver tank or backflow preventer is usually permitted.

The water supply must come from a water main. Never use water from pools, lakes, etc.

Do not run the pressure washer without water supply connected and turned on, as this may damage the high pressure seals and decrease pump life.

Never adjust unloader valve to exceed the preset pressure. Premature wear, equipment failure, or injury may occur.

Hold the trigger handle securely with both hands. Expect the trigger handle to move when the trigger is pulled due to reaction forces.

Never direct a water stream toward people or pets, or any electrical device. High-pressure water could cut through skin resulting in serious injury and possible amputation.

Never spray near power source. Contact with power source could cause electric shock or burn resulting in death or serious injury.

Caution should be used when directing spray toward fragile materials such as glass. Shattering could result in serious injury.

Never pick up or carry the machine while the engine is running.

Never start the machine if ice has formed in any part of the equipment.

Never move machine by pulling on hoses. Use the handle provided on unit's frame.

Never disconnect the high pressure discharge hose from the machine while the system is pressurised.

Never use a spray gun which does not have a trigger lock or trigger guard in place and in working order.

Always engage the trigger safety lock in the safe position when spraying is stopped.

Never attempt to make any adjustments while the engine is running. Shut the engine off, disconnect the spark plug wire and ground against the engine to prevent unintended starting.

Never repair the high pressure hose. Replace it.

Never open the spring drum assembly as it contains a coiled power spring and could cause serious injury.

Keep combustible substance away from the engine when it is hot.

Do not tilt the machine while the engine is running.

If the machine should start to 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 warning of trouble.

Never leave the operating position when the engine is running. Always shut down the engine, and ensure the engine is switched to "off" to prevent accidental starting and wait for all moving parts to come to a complete stop before leaving.

After stopping the engine, always depress the spray gun trigger to relieve stored pressure in the high pressure hose. Failure to do so could result in serious personal injury.

Always turn off the water at the tap when the pressure washer is not in use.

Release any remaining water from the hose before leaving for storage.

Always recoil hose back into the reel when work is complete.

Do not let go of the hose while retracting back into the reel. Letting go of the hose will allow it to rewind at an uncontrolled speed, which can cause damage to the tool or injury to the user.

MACHINE USE AND CARE

Many components on your new pressure washer can wear with continued use. For safety protection, frequently check all washer components and replace immediately with original equipment manufacture's parts only. Use of parts which do not meet the original equipment specifications may lead to improper performance and compromise safety.

When servicing or repairing the washer, do not tip the machine over or up unless specifically instructed to do so in this manual. Service and repair procedures can be done with the washer in an upright position. Some procedures will be easier if the machine is lifted on a raised platform or working surface.

Do not change the engine governor settings or over-speed the engine. The governor controls the maximum safe operating speed of the engine.

Avoid contact with hot fuel, oil exhaust fumes and hot surfaces. Do not touch the engine or muffler. These parts get extremely hot from operation. They remain hot for a short time after you turn off the unit. Allow the engine to cool before doing maintenance or making adjustments.

Keep the engine and muffler free of grass, leaves, excessive grease of carbon build up to reduce the chance of a fire hazard.

Observe proper disposal laws and regulations for gas, oil, etc. to protect the environment.

When storing machine out of the reach of the children and do not allow persons unfamiliar with the machine or these instructions to operate it. This machine can be dangerous when used by and untrained user.

MAINTAINING YOUR MACHINE

Some parts of this machine are made of plastic or rubber and should be kept away from chemicals.

Never cover the machine while the muffler is still hot.

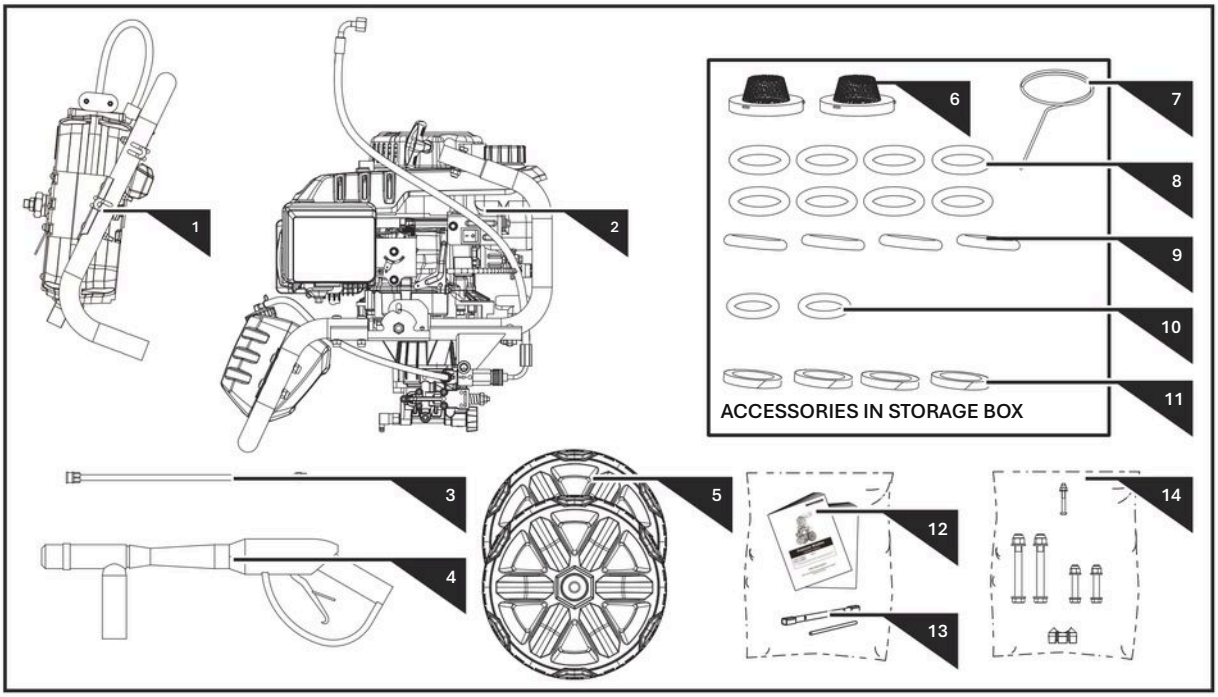
Do not alter or adjust any part of the pressure washer or its engine that is sealed by the manufacturer or distributor. Only a qualified service technician may adjust parts that increase or decrease governed engine speed.

To maintain your machine, routinely check for any misalignment of binding of any moving parts. Parts that are broken or worn down that may affect the machine's operation. If damage or worn parts are identified, they should be repaired before use. Many accidents are caused by poorly maintained equipment.

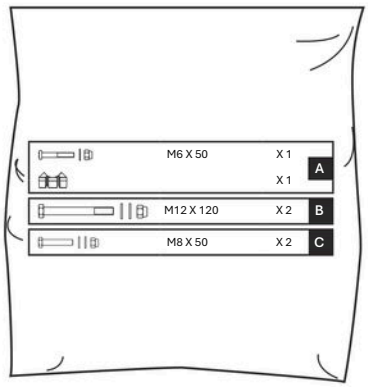
High pressure hoses should be inspected daily for signs of wear. If evidence of failure exists, promptly replace all suspect hoses to prevent the possibility of injury from the high pressure spray. If a hose or fitting is leaking , never place your hand directly on the leak.

CONTENTS SUPPLIED

Your pressure washer comes partially assembled and contains the following:

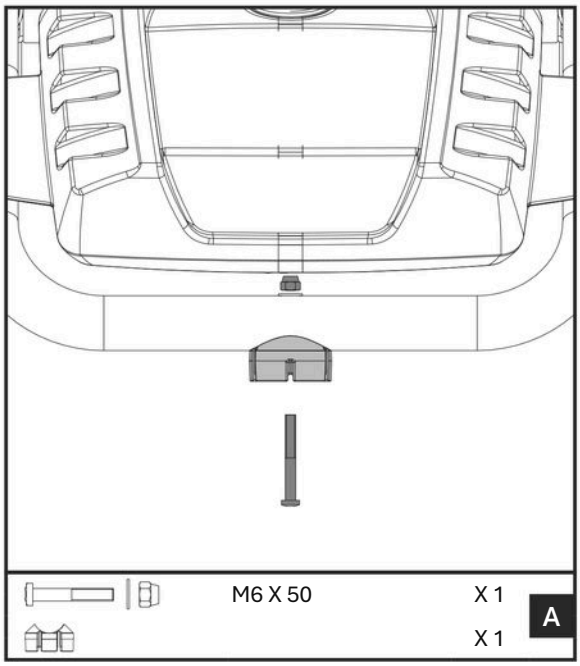


1. Auto-winding Hose Reel Assembly with Upper Handle
2. Main Body
3. Spray Wand
4. Spray Gun
5. Wheels
6. Inlet Filter
7. Needle
8. O-Ring 10x1.5
9. O-Ring 14x2
10. O-Ring 6x1.5
11. Nylon Washer 18x14x1
12. Operator's Manual & Engine Manual
13. Tools for Spark Plug Assembly
14. Hardware Bag:



ASSEMBLY

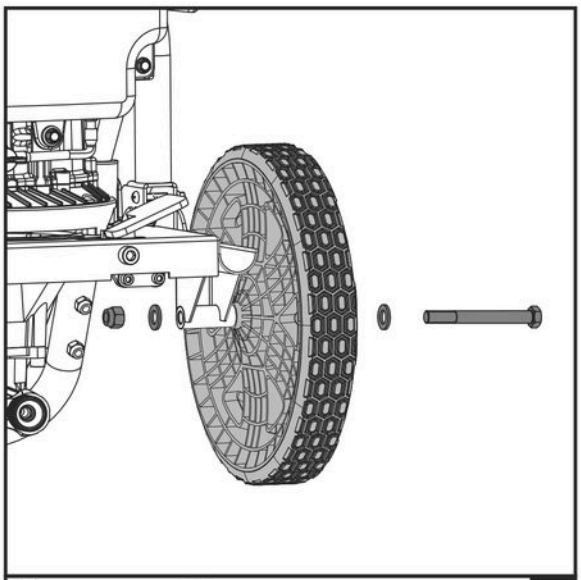
FOOT PAD



M6 X 50	X 1	A
	X 1	

Embed the support pipe into the groove of the foot pad, align the holes, then insert an M6x50 bolt from the bottom side and secure it with a flat washer and lock nut on the opposite side. Tighten securely.

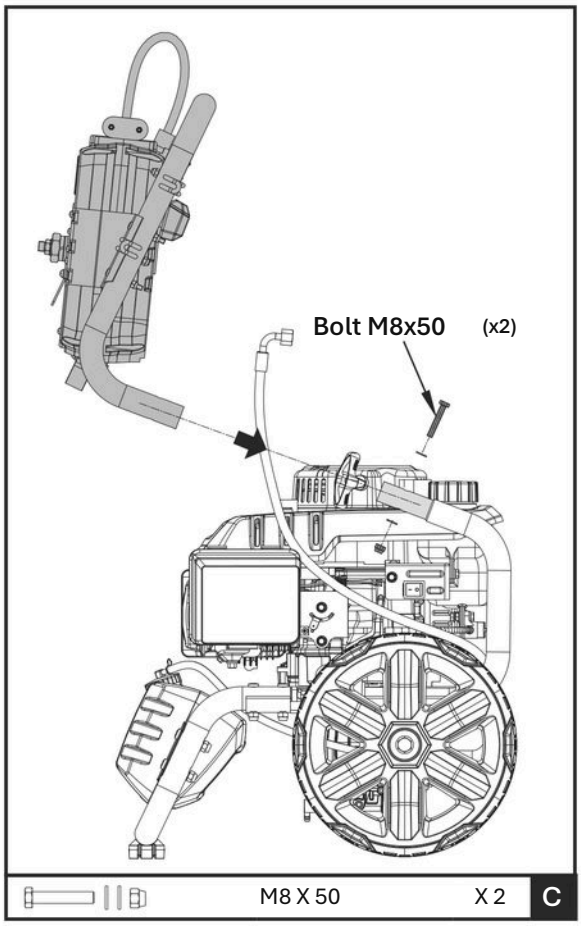
WHEELS



M12 X 120	X 2	B

1. Insert an M12x120 bolt with a flat washer through the wheel hole and wheel bracket tube, then secure with a flat washer and lock nut on the opposite side. Tighten securely.
2. Repeat the steps outlined above for the other wheel's installation.

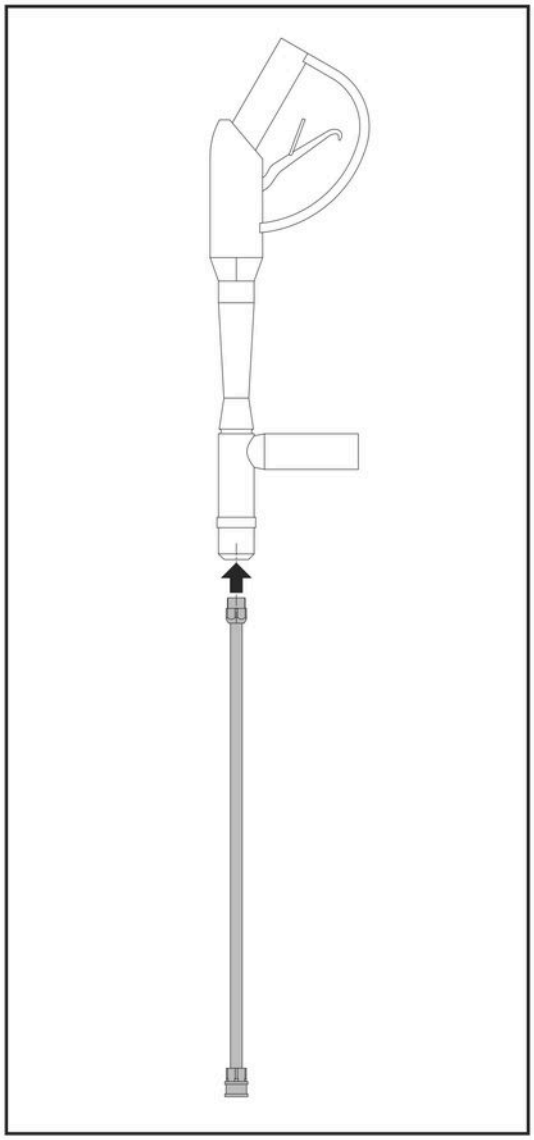
HOSE REEL ASSEMBLY WITH UPPER HANDLE



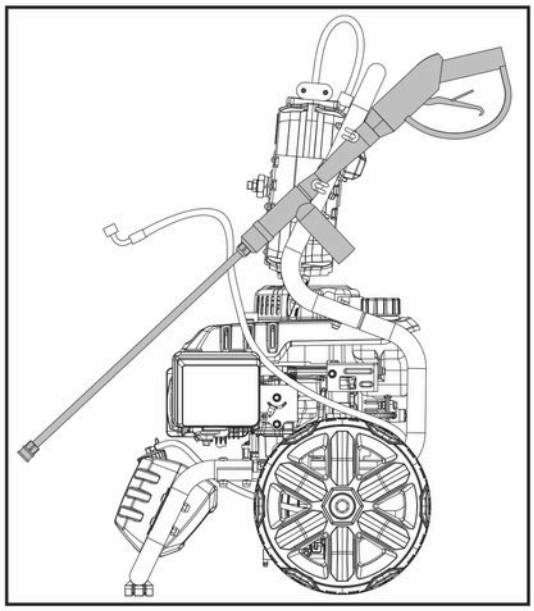
M8 X 50	X 2	C

Place the upper handle onto the lower handle. Secure it with bolts, washers, and nuts.

SPRAY GUN AND SPRAY WAND

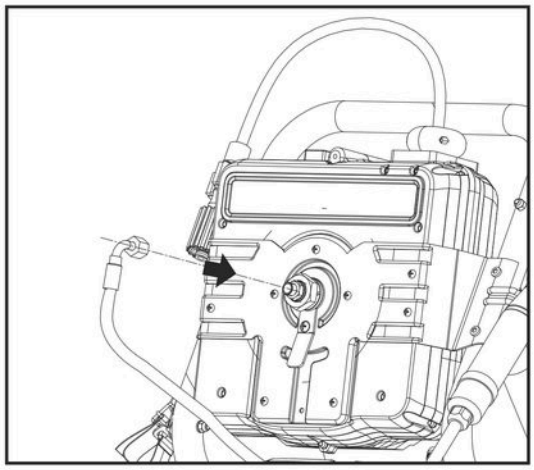


1. Fit the wand into the spray gun and rotate the collar until the two parts are completely locked. Do not over tighten.



2. Rest the assembled spray gun on its bracket as shown.

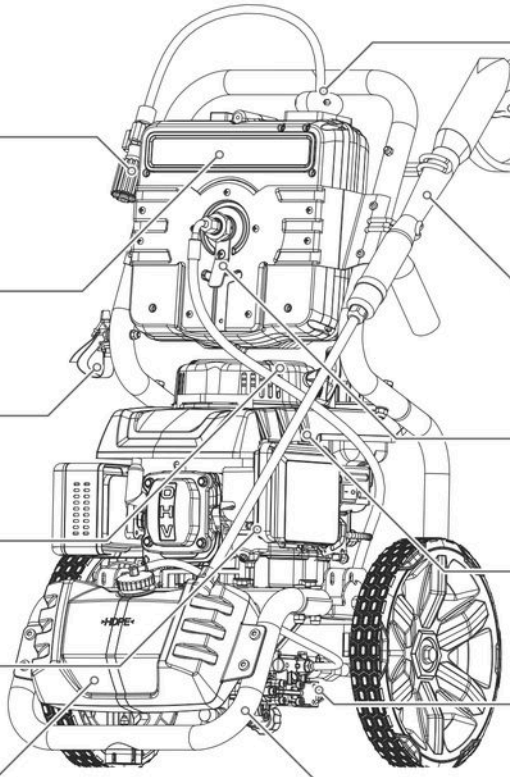
INLET HOSE TO HOSE REEL



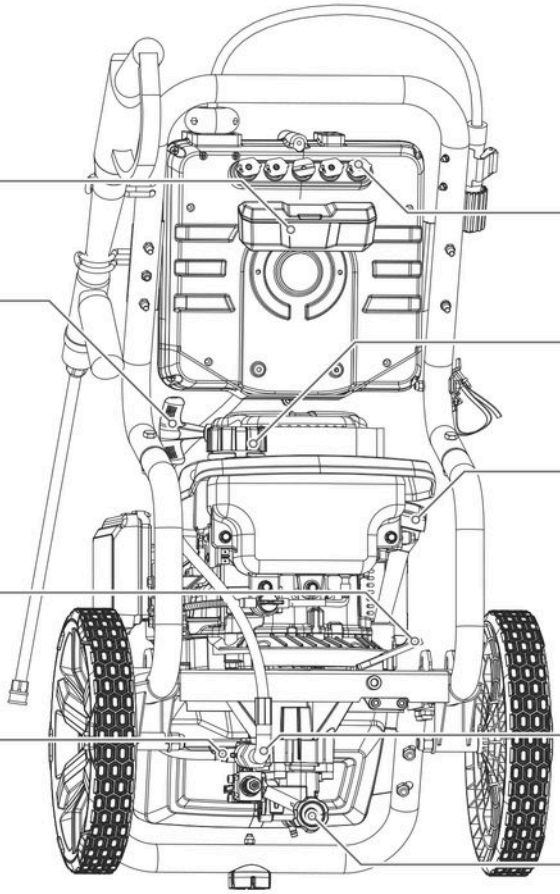
Thread the other end of the lead-in hose to the hose reel connector for the high pressure hose.

KNOW YOUR MACHINE

FEATURES AND CONTROLS



Ball Stopper
High Pressure Hose
Trigger with Lock Out
Auto-winding Hose Reel Assembly
Spray Gun
Hose Holding Strap
Clamp Handle
Lead-in Hose
Gun Wand
Quick Connect
Pump
Soap Tank
Thermal Relief Valve



Storage Box
Nozzles
Recoil Handle
Fuel Tank Cap
Oil Fill Cap/Dipstick
Pedal Lock
Soap Hose Connection Barb
High Pressure Outlet
Water Inlet

High Pressure Hose

Designed to withstand the pressure created by the pump.

Ball Stopper

Adjustable, to stop hose at desired length outside the reel.

Trigger with Lock Out

Squeeze to engage the spray gun.

Spray Gun

Controls the application of water onto cleaning surface.

Gun Wand

Connects to the end of the spray gun and works with the included pressure nozzles.

Pump

Generates high pressure.

Thermal Relief Valve

When water reaches 125°F / 52°C warm water will discharge from pump onto ground to help prevent internal pump damage.

Soap Tank

Siphons detergent into the low pressure stream. Automatically turns on when using black soap nozzle. Only use pressure washer safe detergent.

Quick Connect

Quick-connects various nozzles into the end of the wand to change the spray pattern.

Hose Holding Strap

Reserved for backup high pressure hose storage (backup hose is not included with this machine).

Lead-in Hose

Connects pump high pressure outlet to high pressure hose in hose reel.

Clamp Handle

Help to pre-tighten the power spring inside the reel.

Auto-winding Hose Reel Assembly

Retracts high pressure hose quickly and effortlessly without tangling or crimping for convenient storage.

Nozzles

Varying sizes for various spray pattern.

Recoil Handle

Pull to Start Engine.

Oil Fill Cap/Dipstick

Used to check/fill oil.

Pedal Lock

Controls upper frame position: horizontal for work, vertical for storage/moving.

Water Inlet

Connection for garden hose.

High Pressure Outlet

Connection for high pressure hose.

Soap Hose Connection Barb

Connects detergent hose to pump.

Fuel Tank Cap

Fill with regular unleaded fuel. Do not overfill.

Storage Box

Container for small accessories.

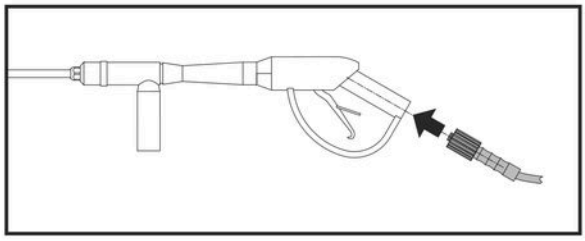
PRE-OPERATION PREPARATION

Place pressure washer near an outside water source capable of supplying water at a flow rate at least 1 GPM greater than the rated flow of your pressure washer. It should also be no less than 20 PSI at pressure washer end of garden hose. DO NOT siphon standing water.

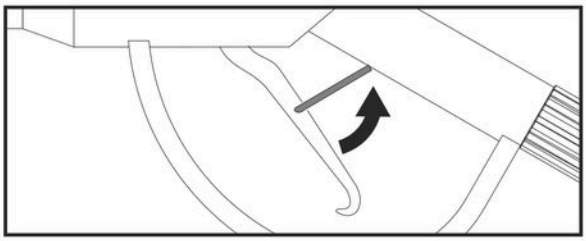
Make sure unit is in a level position.

Spray Gun and High Pressure Hose

1. Install the high-pressure hose to the gun and tighten the collar. DO NOT over-tighten.



2. Engage the trigger lock in the safe position.



The trigger lock prevents the spray gun from being triggered accidentally. Push the lock fully up into the groove to engage it.

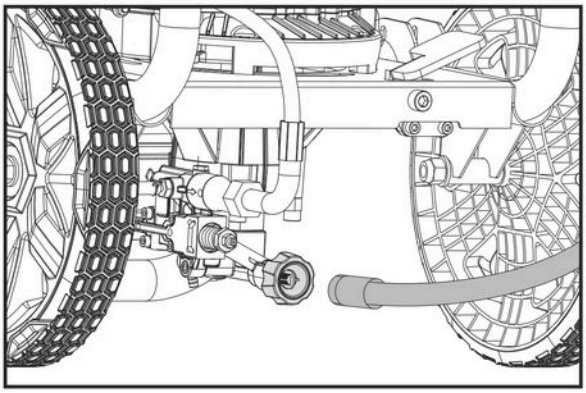
Garden Hose

The water supply must come from a pressurised water faucet. NEVER use hot water or water from pools, lakes, etc.

1. Run water through the hose for 30 seconds prior to connection to eliminate debris.
2. Inspect the screen and gasket in the pump water inlet. If the screen or gasket is damaged, do not use the pressure washer until replaced.
3. If the screen is dirty, clean it before connecting the garden hose to the pump.
4. Completely uncoil the garden hose or remove completely from reel to prevent kinks.

There must be a minimum of 10 ft. (3 m) of unrestricted hose between the pressure washer inlet and the hose faucet or shut off valve.

5. With the hose faucet turned OFF, attach the end of the garden hose to the pump water inlet. Tighten by hand.



Spray Nozzles

1. Nozzle Selection

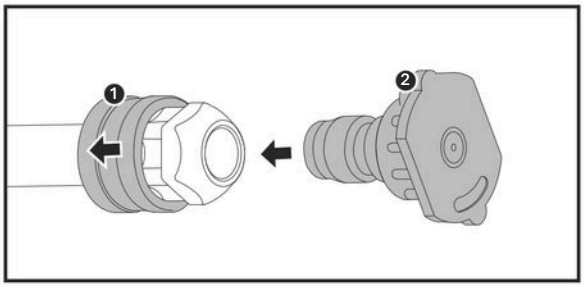
The nozzles supplied with the pressure washer have specific spray patterns designed to clean different surfaces. Using the correct nozzle can cut cleaning time significantly and optimise water usage, ensuring minimal waste without sacrificing performance. Using the incorrect nozzle can damage surfaces. Refer to the table below to select the correct nozzle before using the pressure washer.

	Spray Pattern	Description	Uses	Caution / Performance Insight
High Pressure Wash	Red 0°	Maximum Precision - produces a highly concentrated, straight stream of water.	Ideal for tough stains and hard surfaces, removing deeply embedded grime, rust, grease, and hardened mud, glue, etc. Cleaning cracks, crevices, and other hard-to-reach areas on durable surfaces like concrete and metal.	The focused pressure can cause damage to softer materials such as wood, glass, or paint. Be careful to not get too close to delicate surfaces with this nozzle.

	Spray Pattern	Description	Uses	Caution / Performance Insight
High Pressure Wash	Yellow 15°	Heavy-Duty Cleaning – a narrow fan spray that combines high pressure with slightly broader coverage.	Deep cleaning driveways, patios, sidewalks, and brick walls. Preparing surfaces for painting or sealing by removing built-up grime and stains.	The 15° nozzle cuts cleaning time on hard surfaces by 35% compared to wider nozzles.
	Green 25°	Versatile Performance – a medium fan spray for general cleaning.	Washing decks, fences, outdoor furniture, and vehicles. General-purpose cleaning tasks that require enough force to remove dirt without damaging the surface.	The 25° nozzle is a go-to option for most users due to its versatility and ability to handle a wide range of cleaning tasks effectively.
	White 40°	Gentle Rinsing – wide fan spray with low pressure, ideal for delicate cleaning.	Cleaning cars, glass windows, painted surfaces, and outdoor decorations. Rinsing off soap or detergent from large areas quickly and safely.	The 40° nozzle ensures efficient rinsing while protecting fragile materials from scratches or peeling.
Low Pressure Wash	Black Soap	Soap Application - lower pressure and wider spray applies cleaning solutions.	Safe on all surfaces. Always verify compatibility of cleaning solution(s) prior to use.	Only use power washer safe detergents/soaps to help break down stubborn dirt and grime on a variety of surfaces.

High-pressure spray can damage plants and other surfaces. To avoid causing damage, cover plants before spraying near them, refer to the Nozzle Selection table in this manual for correct nozzle selection, and test surfaces before spraying to make sure they are strong enough to withstand high-pressure spray.

2. Nozzle Installation



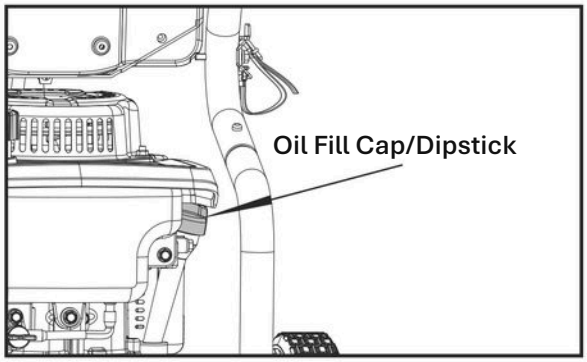
If the engine is running, make sure the trigger lock is in the locked position before removing and installing nozzles.

Select correct nozzle for task. Pull back the quick-connect collar at the end of the spray lance. Insert the nozzle then release the collar allowing it to snap back in place. Once installed, pull on the nozzle to make sure it is secured.

Add Oil to Engine

> ⚠ The engine is shipped without oil. Do not start the engine before adding oil. Please refer to your engine manual for the proper grade of oil to add.

1. Make sure the high washer pressure is on a flat, level surface.
2. Remove the oil fill cap/dipstick to add oil.



3. Use a funnel; add oil up to the FULL mark on the dipstick. (See engine manual for oil capacity, oil recommendation, and location of fill cap.)

> ⚠ DO NOT OVERFILL THE OIL. Check engine oil level daily and add as needed.

Add Gasoline to Engine

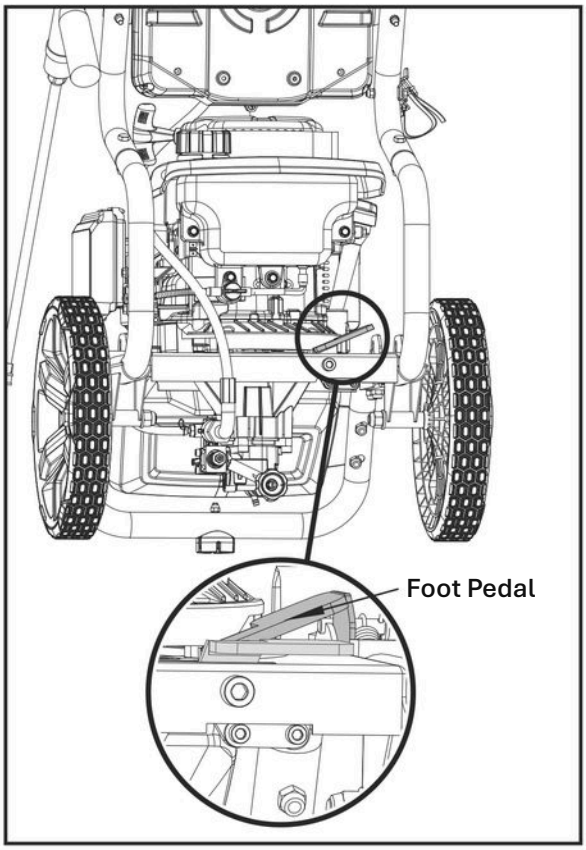
> ⚠ Gasoline is highly flammable and explosive. You can be burned or seriously injured when handling fuel. Use extreme care when handling gasoline.

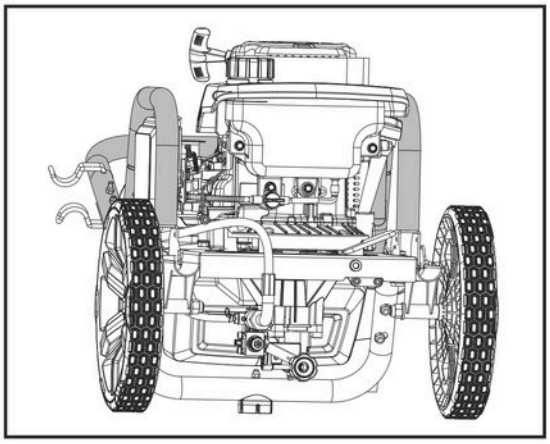
> ⚠ Fill the fuel tank outdoors, never indoors. Gasoline vapours can ignite if they collect inside an enclosure. Explosion can result.

1. The engine must be off and allowed to cool at least two minutes before adding fuel.
2. Remove the fuel filler cap and fill the tank. (See engine manual for fuel capacity, fuel recommendation, and location of fuel cap.)
3. Reinstall the fuel cap and tighten. Always clean up spilled fuel.

> ⚠ DO NOT OVERFILL! This equipment and/or its engine may include evaporative emissions control system components, required to meet EPA and/or CARB regulations, that will only function properly when the fuel tank has been filled to the recommended level. Overfilling may cause permanent damage to evaporative emissions control system components. Filling to the recommended level ensures a vapour gap required to allow for fuel expansion. Pay close attention while filling the fuel tank to ensure that the recommended fuel level inside the tank is not exceeded. Use a portable gasoline container with an appropriately sized dispensing spout when filling the tank. Do not use a funnel or other device that obstructs the view of the tank filling process.

Set the Machine at Working Position





Use the foot pedal to release lock of the upper frame, and then gently lower it into the working position.

Always set the machine in the working position. Otherwise, pulling the high-pressure hose may cause loss of balance, leading to machine damage or operator injury.

OPERATION

Keep all bystanders, especially CHILDREN, away during operation.

Never start or run the engine inside a closed area or in poorly ventilated area. The engine exhaust contains carbon monoxide, and odourless and deadly gas.

Before Starting the Engine

Do not run the pressure washer without water supply connected and turned on, as this may damage the high pressure seals and decrease pump life. When unwind the hose from its reel or coil, make sure the hose is not being restricted by tyres, rocks, or any other objects that may lessen or prevent water.

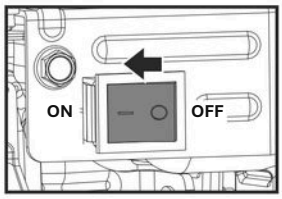
1. The hose reel system has been equipped with a continuous click-lock mechanism. Pull out the hose slowly to the desired length; stop pulling and allow the hose to retract a little after hearing a series of clicks and it will lock in position. If it won't lock allow the hose to retract back further then pull it again slowly, until you hear the first one or two clicks. Stop pulling and allow the hose to retract a small amount and it will lock.

Don't pull the hose from the reel by the gun, or nozzle. Do hold the hose when pulling or dragging the hose around.

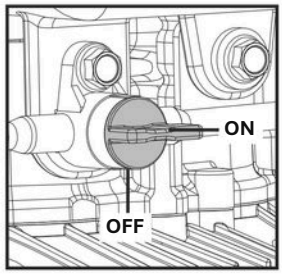
2. Turn the water supply ON.
3. Pull the trigger on the trigger gun to purge all air from the pump and hose. This may take several minutes.
4. Do not start the engine until a steady stream of water is flowing from the nozzle.

Starting Engine

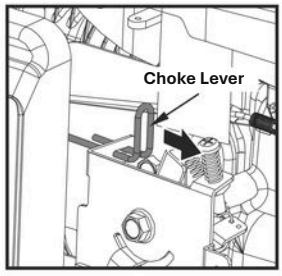
1. Move the engine switch to the ON position.



2. Move the fuel valve lever to the ON position.



3. Pull out the choke lever in the direction of the arrow.



To start a warm engine, pulling out the choke is not necessary.

4. Pull the recoil starter until the engine starts. Return the recoil to the home position after each pull. Repeat the steps as needed. Once engine has started, set the throttle to the FAST position before you operate the unit.
5. Push the choke lever back to its original position after engine starts and warms up.

Rapid retraction of the starter cord (kickback) can occur, which may pull your hand and arm toward the engine faster than you can let go. Broken bones, fractures, bruises, or sprains could result.

After each starting attempt, where engine fails to run, always point spray gun in safe direction and squeeze spray gun trigger to release pressure.

Stopping the Pressure Washer

1. Turn the engine switch to the OFF position.
2. Turn the fuel switch to the OFF (Vertical) position.
3. Always point spray gun in a safe direction, squeeze spray gun trigger to release retained high water pressure.

Spray gun traps high water pressure, even when engine is stopped and water is disconnected. Couplers will not release if under pressure.

Low Pressure Wash

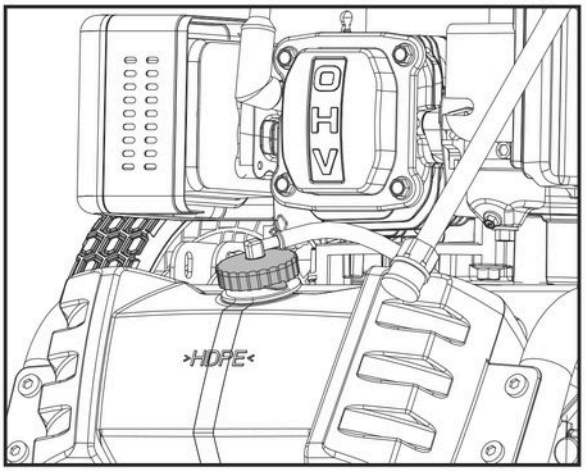
Detergent Use

The use of detergents can dramatically reduce cleaning time and assist in the removal of difficult stains. Many detergents are customised for pressure washer use for specific cleaning tasks.

Only use detergents designed for pressure washers. Pressure washer detergents are as thick as water. Using thicker detergents, like dish soap, will clog the chemical injection system. Do not use household detergents, acids, alkalines, bleaches, solvents, flammable material, or industrial grade solutions, which can damage the pump or cause property damage, and NEVER use bleach.

Prepare cleaning solutions as instructed on the solution bottle. Always test in an inconspicuous area before beginning. You can effectively clean surfaces by combining the chemical action of detergents with high pressure rinses. On vertical surfaces, apply the detergent starting at the bottom and work your way upward. This method prevents the detergent from sliding down and causing streaks. Begin high pressure rinsing at the bottom and work your way upward. On particularly tough stains, use a brush in combination with detergents and high pressure rinsing.

1. Fill the detergent tank with cleaning solution.



2. Install the soap nozzle (black) in the spray lance. Detergent will only be drawn through the pump when the black detergent nozzle is attached to the end of the spray lance.
3. Make sure the water supply is ON. Start the engine. Push the trigger lock fully down to unlock the spray gun. Pull the trigger to spray the detergent solution.
4. Use long, even overlapping strokes to apply soap. Allow 3 – 5 minutes for the soap to soak in before rinsing. Do not allow the soap to dry on the surface before rinsing. Reapply soap if necessary to maintain a wet surface for the soap to soak in.

High Pressure Wash

1. Make sure the trigger lock is in the locked position, remove black detergent nozzle from lance.
2. Select and install desired high-pressure nozzle.
3. Push the trigger lock fully down to unlock the spray gun. Point spray gun in safe direction and squeeze trigger to flush remaining detergent from system.

4. Keep spray gun a safe distance from area you plan to spray.
5. Spray gun may kick back when using high pressure spray. To avoid injury, firmly grasp spray gun with both hands.
6. Apply a high-pressure spray to a small area and then inspect surface for damage. If no damage is found, continue rinsing.
7. Start at top of area to be rinsed, working down with same overlapping strokes as used for cleaning.

Spraying Tips

- For most cleaning, keep nozzle 8 - 24 in. (20 - 61 cm) away from cleaning surface.
- Damage may occur to the cleaning surface if you spray too close, especially with high-pressure nozzles.
- Start with the widest nozzle. Begin with the 40° nozzle to test the surface tolerance and work your way to narrower angles if needed.
- Always test the nozzle on an inconspicuous area before applying it to the full surface.
- When beginning to spray, start farther away and move closer to avoid damage to the surface
- To prevent damage to tyres, allow at least 6 in. (15 cm) between a tyre and the nozzle.
- Never use a narrow high impact stream on a surface that is susceptible to damage.

Running the unit for more than one minute without spraying water causes heat to build up in the pump.

In the event that the pump gets too hot, the thermal relief valve will open to release the hot water. Running the unit without spraying water can damage pump components and will void the warranty.

Cleaning Detergent Suction Hose

The detergent suction system can be flushed. Only perform flush when the detergent tank is empty.

1. Keep the water supply ON and engine running, connect the black nozzle to the spray gun lance.
2. Remove the suction hose from the detergent tank and place the hose in a fresh bucket of clean water.
3. Disengage the trigger lock, then depress the spray gun trigger to flush the system for 1-2 minutes.
4. Turn engine OFF.
5. Point spray gun in a safe direction, squeeze spray gun trigger to release retained high water pressure.
6. Engage trigger lock, then reinstall the suction hose on the detergent tank.

After Each Use

DO NOT allow water to remain in unit for long periods of time. Sediments or minerals can deposit on pump parts and freeze pump. Follow these procedures after every use:

1. Lock the spray gun trigger.
2. Turn the engine OFF, and then turn the water supply OFF.
3. Disengage the trigger lock and depress the trigger for 15 seconds to depressurise the system.
4. Let the engine and pressure washer cool down.
5. Disconnect the high-pressure hose from spray gun. Give the hose a short, sharp pull to release the locking mechanism and rewind the hose. To retract the hose safely, hold onto the hose and slowly allow it to rewind into the reel.

Do not let go of the hose until fully retracted. Allowing the hose to retract uncontrolled may result in serious injury.

6. Disconnect the garden hose.
7. Drain water from the hoses, spray gun, and lance.
8. Engage the trigger lock on the spray gun.
9. Wipe off all remaining water with a clean, dry rag.
10. While the pressure washer is turned off, pull the recoil handle 5 - 6 times. This should remove most of the remaining liquid inside the pump.
11. Store the pressure washer in a clean, dry place.

If storing for more than 30 days, see STORAGE.

MAINTENANCE

Maintenance Schedule

Always stop engine, allow engine to cool, disconnect spark plug, and ground against engine before performing any type of maintenance on your machine.

Regular maintenance will improve performance and extend the service life of the pressure washer. In the maintenance schedule you can see which parts of your machine require maintenance, and at which intervals it should take place. The intervals are calculated based on average use of the machine whichever occurs first and may differ depending on the rate of your personal use.

Interval	Item	Service
Before each use	1. Bolts and nuts. 2. Engine oil and fuel tank level. 3. Water inlet screen and gasket. 4. Air intake and muffler.	**1. Check or tighten** **2. Check or refill** **3. Check, clean or replace** **4. Clean**
Every 8 Hours or Daily	1. Water inlet screen 2. High pressure hose 3. Detergent siphoning hose/ filter 4. Spay gun 5. Debris 6. Engine oil level	**1. Check, clean if clogged. Replace if perforated or torn.** **2. Check** **3. Check** **4. Check** **5. Clean** **6. Check**
Every 20 hours or Annually	Engine air filter	**Clean. Service more often under dirty or dusty conditions.**
Every 50 hours or Annually	1. Engine oil 2. Muffler 3. Spark Plug	**1. Change. Initial lubricant change should be performed after first 5 hours of operation.** **2. Clean. Service more often under dirty or dusty conditions.** **3. Check**
Every 100 hours or Annually	1. Spark Plug 2. Fuel Filter 3. Engine air filter	**1. Replace** **2. Replace** **3. Replace. Service more often under dirty or dusty conditions.**

Interval	Item	Service
Before Storage	Fuel system	**Run engine until it stops from lack of fuel, or add stabiliser to a full tank of fresh fuel prior to storage.**

* Adverse conditions will require more frequent service.

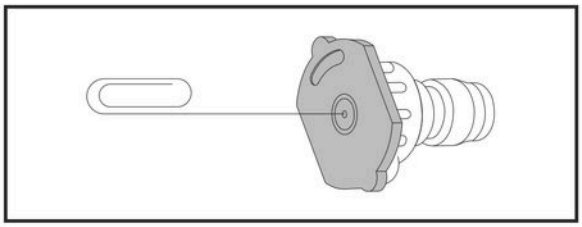
General Recommendations

- Always observe safety rules when performing any maintenance.
- The warranty on this pressure washer does not cover items that have been subjected to operator abuse or negligence. To receive full value from warranty, operator must maintain the pressure washer as instructed here.
- Changing of engine-governed speed will void engine warranty.
- Periodically inspect the entire product for damaged, missing, or loose parts such as screws, nuts, bolts, caps, etc. Tighten securely all fasteners and caps and do not operate this product until all missing or damaged parts are replaced.
- Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, oil, grease, etc.

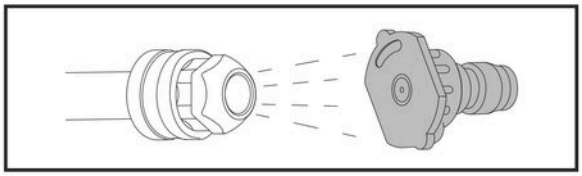
Cleaning Spray Nozzle

If a nozzle becomes clogged, the pump may pulsate and spray patterns could change. Inspect nozzles before using them and follow the instructions in this section for the proper nozzle cleaning procedure.

1. Turn off the pressure washer and shut off the water supply. Depress trigger to release water pressure.
2. Remove the nozzle from the spray wand.
3. To free any foreign materials clogging or restricting the nozzle, blow out or remove debris with a needle or straightened paper clip.



4. Using a garden hose, flush debris out of nozzle by directing a running garden hose into the output of the nozzle at least 30 seconds.



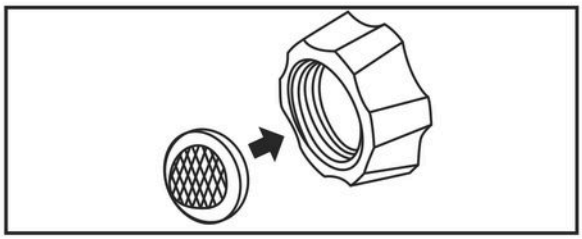
5. Reconnect the nozzle to the spray wand.

Never remove nozzles without first turning off the engine, and locking the lock out on the trigger handle. Never point the nozzle at your face or at others. The quick-connect feature contains small springs that could eject the nozzle with some force. Failure to follow these instructions could result in an eye injury or other serious personal injury.

Water Inlet Filter Maintenance

Before each use, check the inlet filter and clean by following the steps below. Never operate the pressure washer without the inlet filter properly installed.

1. Remove the filter from the garden hose coupler.
2. Use water from a running garden hose to clean both sides of the filter.
3. Insert the cleaned filter into the pump inlet with the convex side facing out.

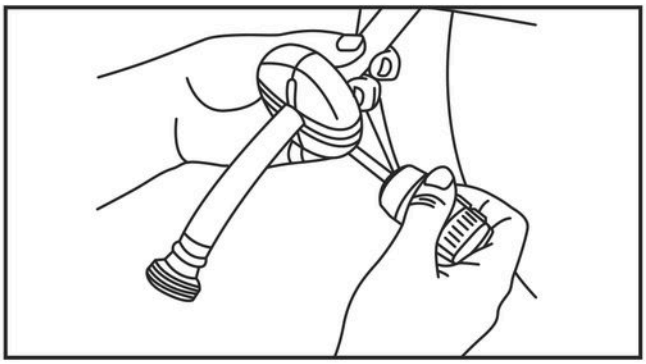


Pump Lubrication

The pump on this product was lubricated with a sufficient amount of high grade lubricant for the life of the unit under normal operating conditions. Therefore, no further lubrication is required.

Hose Stopper Adjustment

Pull the hose out to the desired position and latch. Loosen the hose stopper screws, slide the stopper to your desired length, and tighten screws to secure.



Ensure the hose is completely latched in position before loosening the hose stopper.

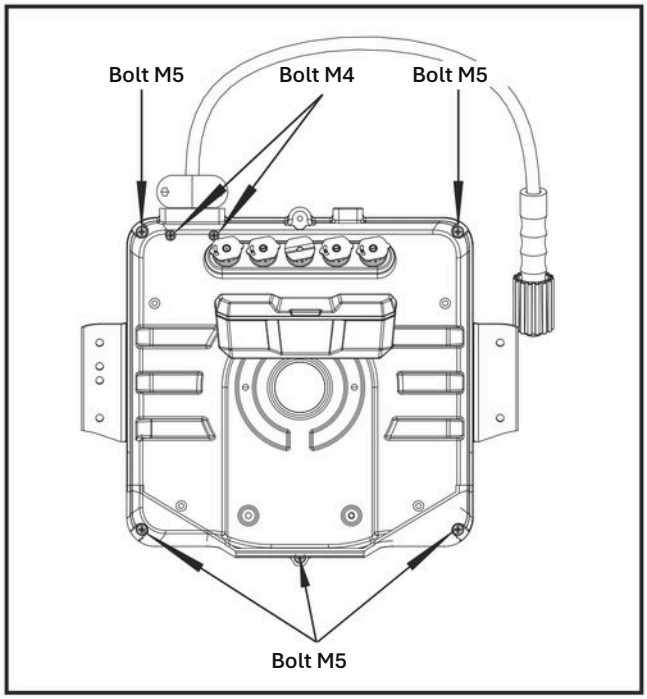
Replacing High Pressure Hoses

Never open the reel housing with the hose fully or partially extended. It must be fully wound into the reel.

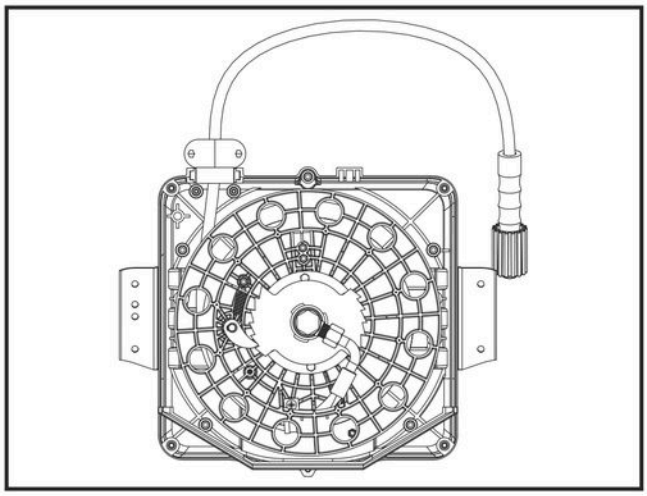
The high pressure hose is under certain pressure during normal use. Before replacing the hose, ensure that the water source is turned off and the remaining pressure in the hose is released to avoid sudden water gushing, which may cause injury.

To remove the hose, take the following steps:

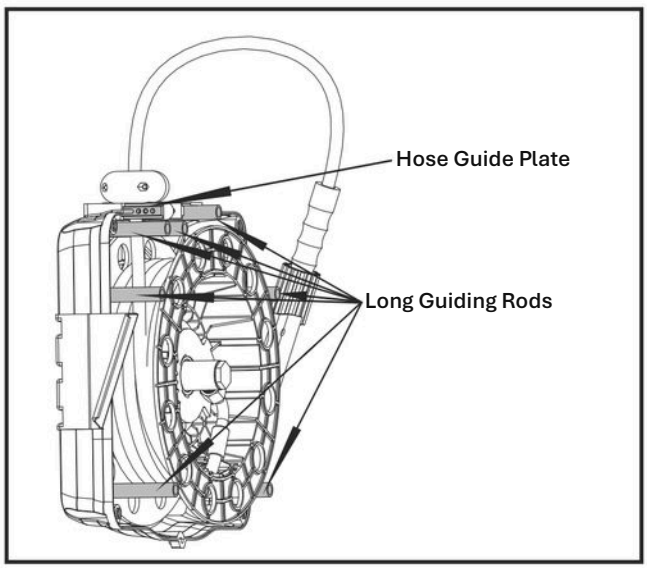
1. Disconnect the high pressure hose from the spray gun, and rest the gun on its bracket.
2. Remove the let-in hose.
3. Remove the hose reel assembly from the machine.
4. Use a Phillips screwdriver to remove the 5pcs M5 and 2pcs M4 screws, as shown.



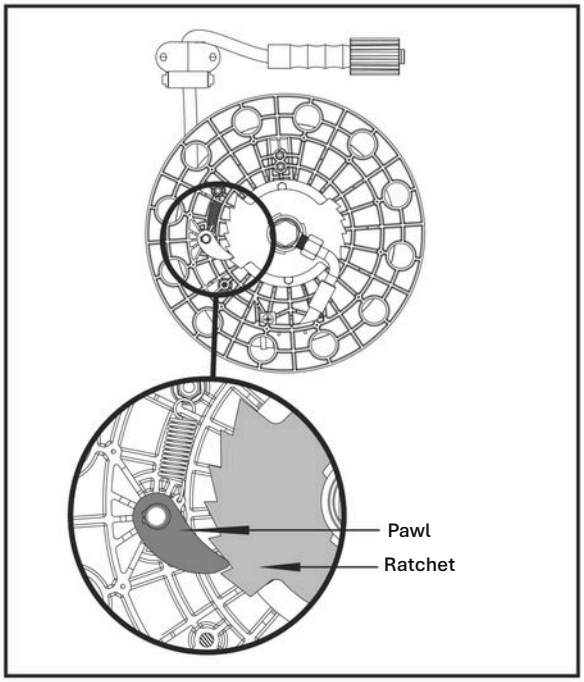
5. Open the rear cover



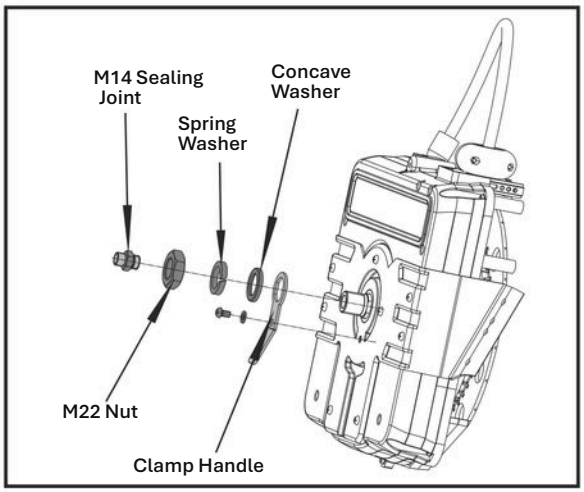
6. Pull the hose guide plate off the front cover and remove the 7pcs long guiding rods.



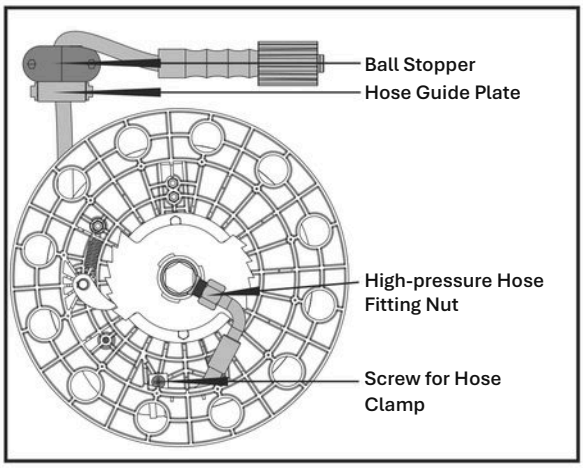
7. Slightly pull the hose to engage the pawl with the ratchet.



8. Turn over the reel assembly. Use open-end wrenches to remove the M14 sealing joint, then the M22 nut with two washers. Use a Phillips screwdriver to remove the screw to take off the clamp handle. Then remove the front cover from the hose reel drum. Tip: tapping end of the clamp handle can loosen it, making it easier to be removed.



9. Use an open-end wrench to remove high-pressure hose from the connector. Use a Phillips screwdriver to remove the screw to release the R hose clamp. Uncoil the hose from the drum to take it off. Use a Phillips screwdriver to take apart the ball stopper, and then slide down the hose guide plate. Set aside for later use.



10. After get the hose removed, use the clamp handle release the pre-tightening force of the ratchet. Turn the handle anticlockwise to disengage the ratchet and pawl. Then with the left hand hold the clamp handle, the right handle hold the drum edge allow it to rotate free slowly, until it stops.

To install the new hose, take the following steps:

1. Use the clamp handle to pre-tighten the ratchet. Rotate the handle clockwise to engage the pawl with the ratchet at the first tooth, then turn the ratchet for 2-2.5 rounds. With the pawl engaged, take off the clamp handle.
2. Connect the hose to the output fitting. Then fix the hose with the R hose clamp - put the clamp onto the hose from outside, and make sure its closed end faces outward. Before tighten the clamp, slightly adjust direction of the hose to avoid bending on it. Tighten the clamp.
3. Take the reverse order of the disassembly steps 1-9 to install the reel assembly.

Tips:

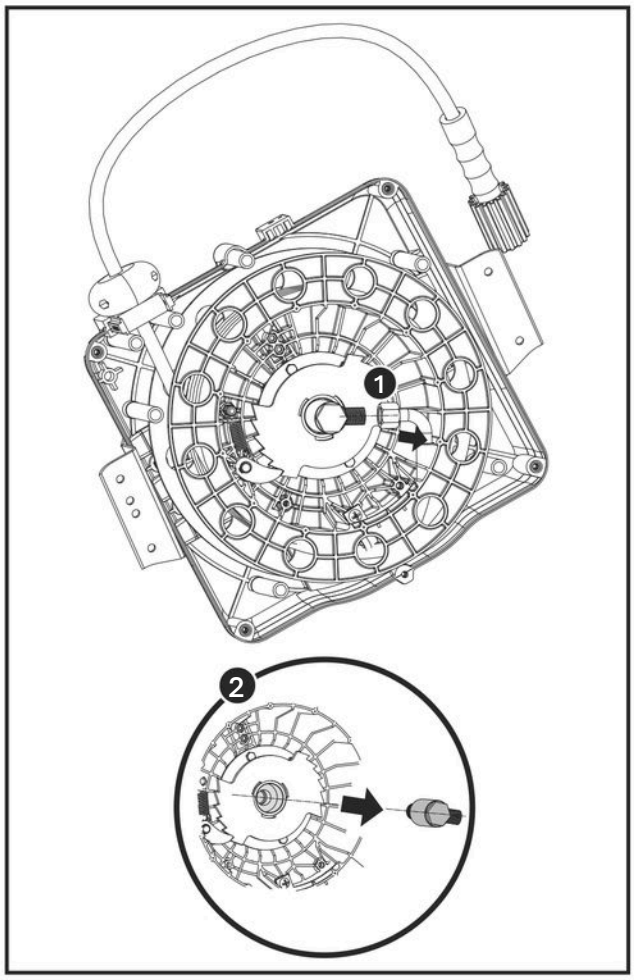
- Before install the front cover, better put the clamp handle on the fitting check its mounting position, then take it off.
- Do not tighten the screw for the clamp handle before put on the next washers, nuts and sealing joint. Tighten after everything is installed at front cover.
- When install the concave washer, let its concave facing the cover.
- When install the hose guide plate, with its end where the roller is installed at the 2nd holes insert into the front cover.

4. Re-attach the hose reel to the handle. Adjust the ball stopper to the desired position. Connect the lead-in hose, and spray gun.

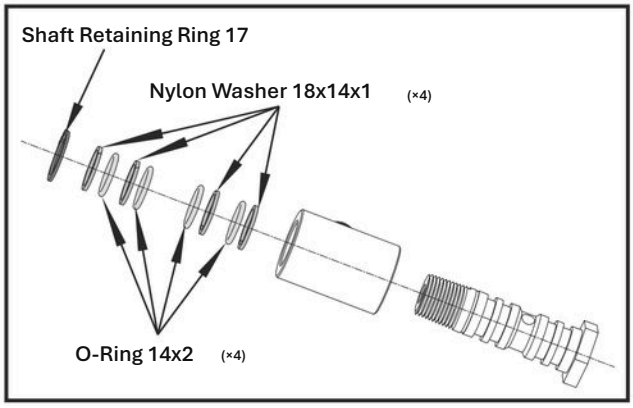
5. Check all connections to make sure there are no leaks.

Replacing O-Ring 14x2 & Nylon Washer

1. Take the same steps 1-5 as for replacing the high pressure hose to open the rear cover.
2. With the pawl engaged with the ratchet, remove the high pressure hose from the connector. Then, remove the rotary joint.



3. Use circlip pliers to remove the shaft retaining ring 17, then take apart the rotary joint as shown. Replace the worn or damaged O-ring and nylon washer with the new one(s). There are four O-ring, nylon washer sets inside.



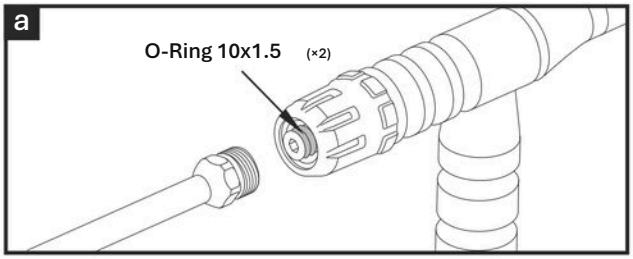
4. Follow the reverse procedures of step 3 to assemble the rotary joint.
5. Apply Teflon tape to the rotary joint, to the end that connects with ratchet wheel, install and tighten the rotary joint.
6. Connect the high pressure hose to the rotary join. Then take the reverse steps of 1-5 as for replacing the high pressure hose to install back the hose reel assembly.

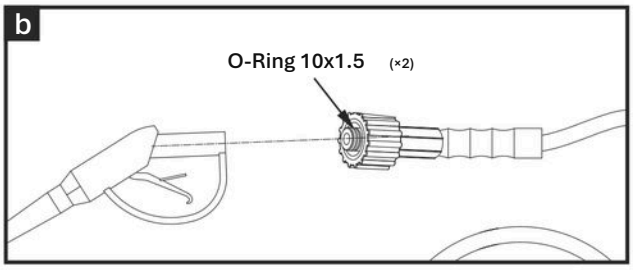
Replacing O-Ring 10x1.5

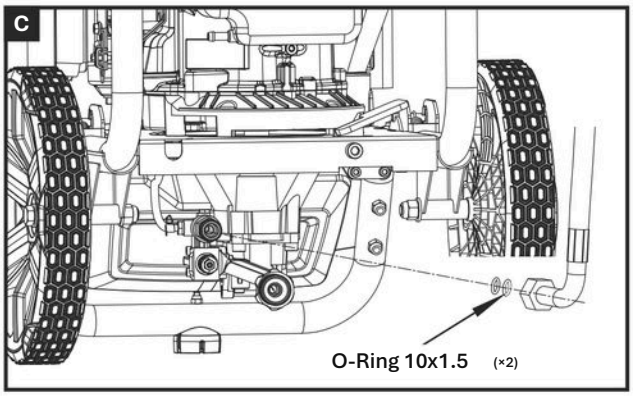
1. The O-ring 10x1.5 is installed in three positions, with 2 pieces at each position:

a: Spray gun's quick-connect (for the spray wand).
b: High-pressure hose's quick-connect (for the spray gun).
c: High-pressure hose's quick-connect (for the pump).

2. Disconnect the connection, and replace the worn or damaged O-rings in the quick-connect with new ones.
3. Reassemble the disassembled parts.

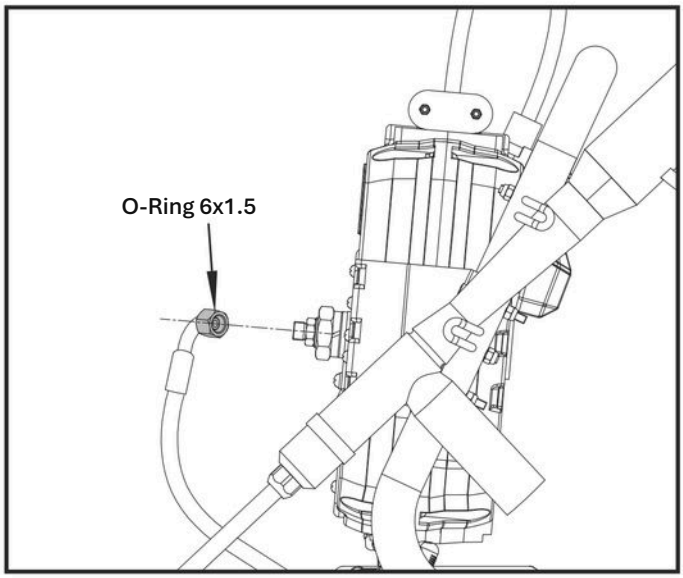






Replacing O-Ring 6x1.5

Unscrew the lead-in hose from the connector. Replace the worn or damaged O-Ring 6x1.5 in the lead-in hose joint nut with the new one. Reinstall the lead-in hose.



Engine Maintenance

Refer to the engine manual packed separately with your unit for detailed information and a maintenance schedule.

STORAGE

If the water pressure will not be used for a period longer than 30 days, follow the steps below to prepare your unit for storage.

1. Drain the fuel tank completely. Stored fuel contains ethanol or MTBE, and can start to go stale in 30 days. Stale fuel has high gum content and can clog the carburettor and restrict fuel flow.
2. Start the engine and run until it stops. This helps prevent gum deposits from forming inside the carburettor, which may cause engine damage.
3. While the engine is still warm, drain the oil from the engine. Refill with fresh oil of the grade recommended in the Engine Manual.
4. Squeeze the spray gun trigger to relieve the pressure in the hose and pump then drain the high pressure hose. Disconnect both the high-pressure hose and the garden hose from the pump and spray gun.
5. Use clean cloths to clean off the outside of the machine and to keep the air vents free of obstructions.

Do not use strong detergents or petroleum-based cleaners when cleaning plastic parts. Chemicals can damage plastics.

6. Inspect for any loose or damaged parts. Repair or replace damaged parts and tighten loose screws, nuts or bolts.
7. Store your unit on flat ground in a clean, dry building that has good ventilation.

Depending on the storage space, this machine can be stored vertically or horizontally.

If the location where your pressure washer is stored will fall below 32 ° F/0 °C, the use of a pump protector is required before storing to prevent freeze damage. Freeze damage will void your warranty.

Do not store the machine with fuel in a non-ventilated area where fuel fumes may reach flame, sparks, pilot lights or any ignition sources.

TRANSPORTATION

Weight hazard. Always have assistance when lifting the pressure washer.

- Allow the pressure washer to cool a minimum of 30 minutes before transporting.
- Only use the pressure washer's fixed frame to lift the unit or attach any load restraints such as ropes or tie-down straps. Do not attempt to lift or secure the pressure washer by holding onto any of its other components.
- Keep the unit level during transport to minimise the possibility of fuel leakage or, if possible, drain the fuel or run the engine until the fuel tank is empty before transport.
- The pressure washer wheels are only intended for hand transport. The wheels are not suitable for towing the pressure washer either on or off-road.

Fire hazard. Do not up-end the pressure washer or place it on its side. Fuel or oil can leak and damage to the pressure washer may occur.

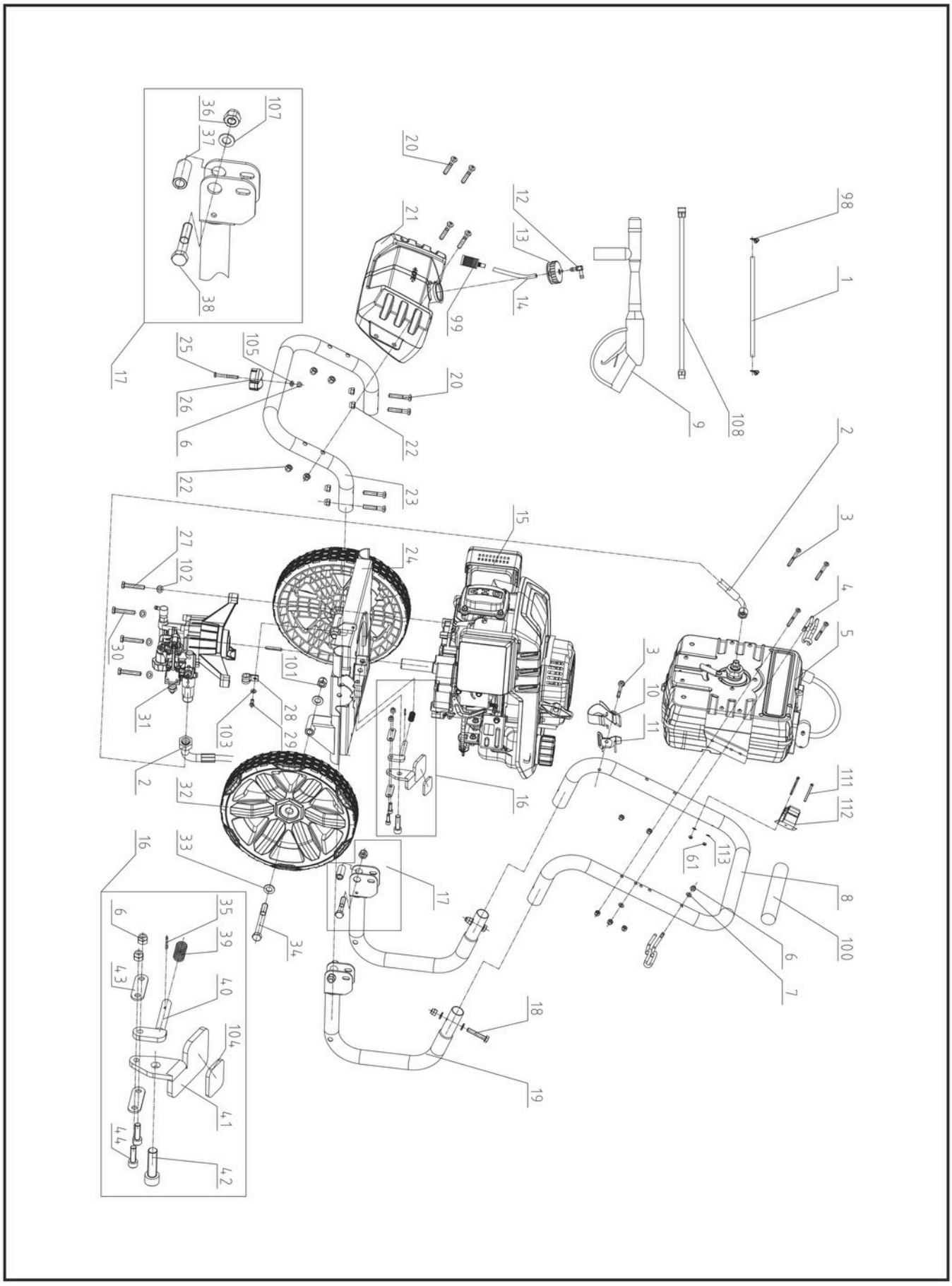
TROUBLESHOOTING

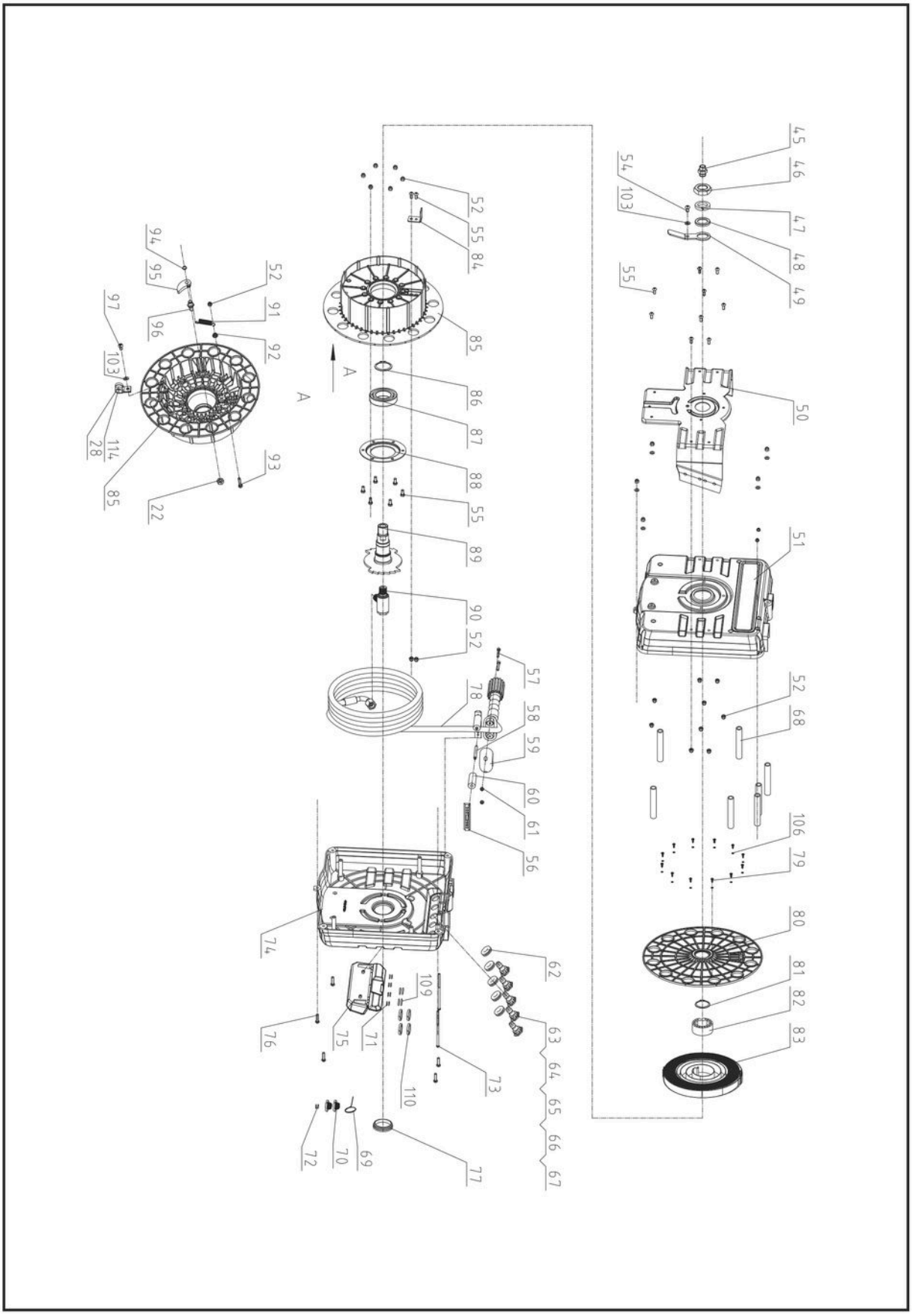
Problem	Cause	Remedy
Engine fails to start	1. Spark plug wire is disconnected 2. Out of fuel or stale fuel 3. Throttle control lever or fuel valve lever is not in the run position 4. Choke lever is not in CLOSE position 5. Blocked fuel line 6. Fouled spark plug 7. Engine flooding 8. Low oil level 9. Dirty air cleaner	1. Attach spark plug wire securely to spark plug 2. Drain old fuel and fill with clean, fresh gasoline 3. Move the throttle control lever slightly to the fast position, and move the fuel valve lever to the ON position 4. Choke level must be in CLOSE position for a cold start 5. Clean fuel line 6. Clean, adjust gap, or replace 7. Wait a few minutes to restart the engine 8. Fill crankcase to proper level or place pressure washer on level surface. 9. Clean or replace air cleaner
Engine runs erratically	1. Spark plug wire is loose 2. Unit running with choke lever in CLOSE position 3. Blocked fuel line or stale fuel 4. Vent plugged 5. Water or dirt in fuel system 6. Dirty air cleaner 7. Improper carburettor adjustment 8. Low oil level	1. Connect and tighten spark plug wire 2. Move choke lever to OPEN position 3. Clean fuel line, and fill tank with clean, fresh gasoline 4. Clear vent 5. Drain fuel tank, then refill with fresh fuel 6. Clean or replace air cleaner 7. Refer to engine manual 8. Check oil and add if low
Engine overheats	1. Low oil level 2. Dirty air cleaner 3. Air flow restricted 4. Carburettor not adjusted properly	1. Check oil and add if low 2. Clean or replace air cleaner 3. Remove housing and clean 4. Refer to engine manual
Engine speed does not increase properly when throttle control is adjusted	1. Debris interfering with throttle linkage. 2. Improper throttle linkage adjustment	1. Clean dirt and debris 2. Refer to Engine Manual to check and adjust throttle linkage

Machine fails to reach high pressure	1. Low pressure nozzle installed 2. Water inlet is obstructed 3. Inadequate water supply 4. Inlet hose kinked or leaking 5. Clogged hose inlet screen 6. Water supply is over 122°F (50°C). 7. High-pressure hose is obstructed, or leaks 8. Spray gun leaks 9. Nozzle is obstructed 10.Pump is faulty 11. Diameter of garden hose is too small 12.Pressure regulator set to low	1. Replace with high-pressure nozzle 2. Clean inlet 3. Provide adequate water flow 4. Straighten inlet hose, patch leak 5. Inspect and clean inlet hose screen 6. Provide cooler water supply 7. Clear obstructions or replace hose 8. Replace spray gun 9. Clean nozzle 10.Contact service provider 11. Replace with 3/4 in. garden hose 12.Contact service provider
Spray pressure varies from high to low.	1. Poor inlet water supply 2. Garden hose inlet filter is clogged 3. Spray nozzle is obstructed 4. Pump is sucking air	1. Turn garden hose water on full force. Check hose for leaks, blockage, or kinks. 2. Remove garden hose, clean filter or rinse out. 3. Remove particles with small wire rod (see maintenance section in manual) 4. Check all hoses and fittings, make sure they are securely tightened down and fastened. Turn off engine and purge pump by squeezing trigger gun until a steady stream of water flows.
Detergent fails to mix with spray	1. Wrong nozzle installed 2. Detergent siphoning tube is clogged or cracked 3. Detergent siphoning tube is not submerged 4. Detergent is too thick 5. Detergent hose is not connected to the pump housing. 6. Spray nozzle is obstructed 7. Chemical injector valve (inside pump) partially blocked or stuck	1. Select soap nozzle 2. Clean or replace detergent siphoning tube 3. Fully submerge detergent siphoning tube into detergent 4. Use detergent made specifically for pressure washer use 5. Check connection 6. Clean nozzle and remove debris 7. Quickly pull and release the gun trigger 4-5 time to clear the chemical injector valve

Water flows back into detergent container	Ball & Spring in Venturi reversed, missing or corroded	**Remove, clean or replace.**
Water links from quick-connections	1. Loose fittings 2. Missing/worn sealing O-ring	**1. Check for worn O-rings or loose connections** **2. Check and replace**
Can't pull recoil	Pump will build pressure with each pull	**Pull gun trigger after 2 pulls of recoil, to release pump pressure**

PARTS DIAGRAM




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PARTS LIST

No.	Description	Q'ty
1	Soap Hose	1
2	Lead-in Hose	1
3	Bolt M6x45	5
4	Spray Gun Holder	2
5	Auto-winding Hose Reel Assembly	1
6	Nut M6	11
7	Flat Washer Ø6	12
8	Upper Handle	1
9	Spray Gun	1
10	Additional High Pressure Hose Holding Strap	1
11	Hose Holding Strap Holder	1
12	Soap Tank Inlet Connector	1
13	Soap Tank Cap	1
14	Suction Hose Inside Soap Tank	1
15	Engine	1
16	Pedal Lock Kit	1
17	Lower Handle Swivel Kit	2
18	Bolt M8x50	2
19	Lower Handle Weldment	2
20	Bolt M8x45	8
21	Soap Tank	1
22	Nut M8	12
23	Chassis Support Pipe	1
24	Chassis Base	1
25	Bolt M6x50	1
26	Foot Pad	1
27	Bolt M8x45	3
28	Hose Clamp	2
29	Bolt M6x12	1
30	Bolt M8x45	1
31	Pump	1
32	Wheel	2
33	Flat Washer Ø12	4
34	Bolt M12x120	2
35	Cotter Pin D2X20	5

No.	Description	Q'ty
36	Nut M10	2
37	Lower Handle Rotary Sleeve	2
38	Bolt M10x55	2
39	Spring	1
40	Lock Pin Weldment	1
41	Foot Pedal	1
42	Bolt M10x35	1
43	Lock Pin Draw Plate	2
44	Bolt M6x20	2
45	Inlet Hose Connector M14	1
46	Nut M22	1
47	Spring Washer Ø8	1
48	Concave Washer	1
49	Clamp Handle	1
50	Hose Reel Assy. Mounting Plate Weldment	1
51	Front Case	1
52	Bolt M5	21
53	Hose Reel Drum Assy.	1
54	Bolt M6x10	1
55	Bolt M5x12	18
56	Hose Guide Plate	2
57	Bolt M4x35	2
58	Roller Axle	2
59	Ball Stopper	2
60	Short Guiding Rod	2
61	Nut M4	7
62	Rubber Ring, Nozzle Holder	5
63	0°Nozzle - Red	1
64	15°Nozzle - Yellow	1
65	Soap Nozzle - Black	1
66	25°Nozzle - Green	1
67	40°Nozzle - White	1
68	Long Guiding Rod	7
69	Needle, Clean-out Tool	1
70	Water Inlet Screen	2

No.	Description	Q'ty
71	O-ring 10x1.5	8
72	O-ring 6x1.5	2
73	Bolt M4x100	3
74	Rear Case	1
75	Storage Box	1
76	Bolt M5x20	5
77	Plug	1
78	High Pressure Outlet Hose	1
79	Screw M2x16	12
80	Drum Cover	1
81	Retaining Ring Ø30	1
82	Spring Core	1
83	Coiled Power Spring	1
84	L Plate	1
85	Reel Drum	1
86	Retaining Ring Ø35	1
87	Bearing 6007-2RS	1
88	Bearing Retainer	1
89	Ratchet Wheel	1
90	Rotary Joint	1
91	Tension Spring	1
92	Nut M5	1

No.	Description	Q'ty
93	Bolt M5x25	1
94	Retaining Ring Ø8	1
95	Pawl	1
96	Pawl Shaft	1
97	Bolt M6x15	1
98	Hose Clip	2
99	Filter	1
100	Handle Grip	1
101	Nut M12	2
102	Big Washer Ø8	4
103	Spring Washer Ø6	3
104	Self-adhesion Foot Pad	1
105	Big Washer Ø6	1
106	Flat Washer Ø2	12
107	Flat Washer Ø10	2
108	Spray Wand	1
109	O-Ring 14x2	4
110	Nylon Washer 18x14x1	4
111	Bolt M4x40	2
112	Hose Clamp	1
113	Flat Washer Ø4	2
114	Pipe Liner	1

Bullmax
TOUGH TOOLS & EQUIPMENT

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