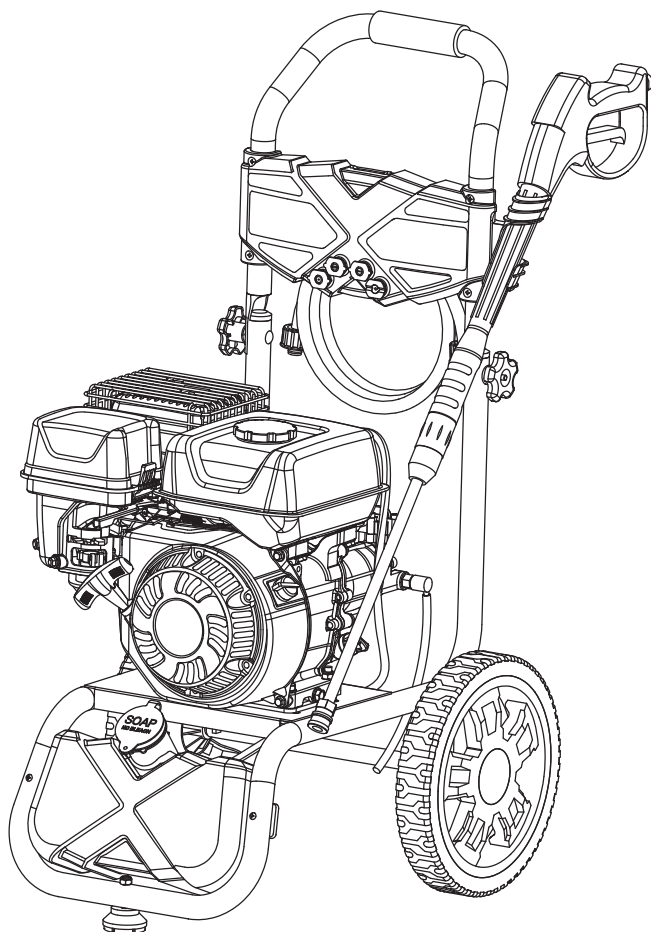


User Manual

Gas Pressure Washer



Model : GSH01B

ID:QX2121-65F32

HIGH PRESSURE WASHER OPERATOR MANUAL



Please read and comply with these original instructions prior to the initial operation of your appliance and store them for later use or subsequent owners.

Contents

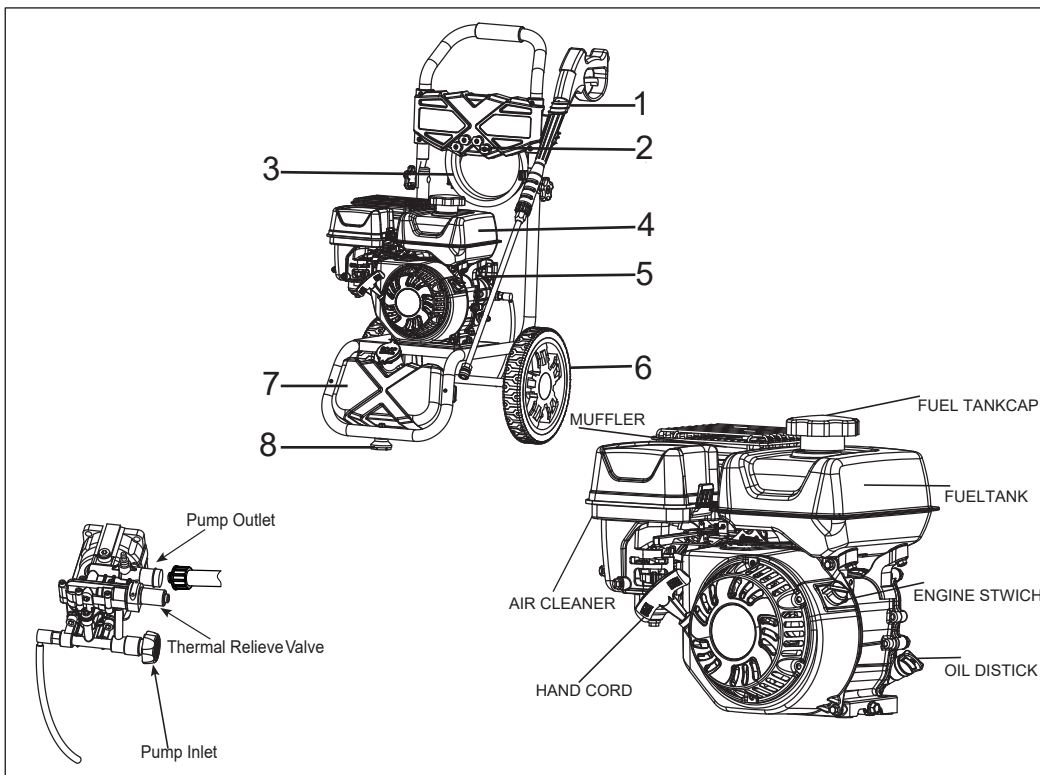
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Specifications

Operating Pressure	3200 PSI
Water Volume	540 l/h
Engine	Rato 209cc
Fuel Type	R210-S
Fuel Tank Size	2.6L
Engine Oil Type	SAE 10W-30
Engine Oil Capacity	0.6L
Model Numbe	GSH01B

GSH01B

Model Overview



- | | |
|------------------|-------------------|
| 1. Spray Gun | 5. Pump |
| 2. Nozzles | 6. Wheels |
| 3. Pressure Hose | 7. Detergent Tank |
| 4. Engine | 8. Rubber Foot |

Hazard Levels



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 injury.”



CAUTION

Indicates “a potentially hazardous situation which, if not avoided, may result in minor or moderate injury or in property damage incidents.”

- Stay alert - watch what you are doing.
- Do not operate when fatigued or under the influence of alcohol or drugs.
- Keep operating area clear of all persons.
- Do not overreach or stand on unstable support. Keep good footing and balance at all times.
- Wear safety goggles and ear protection.
- Follow the maintenance instructions specified in the manual.
- To avoid risks, all repairs and replacement of spare parts should only be carried out by trained personnel.
- Tire pressure should not exceed max. 25 psi.

Safety Instructions



WARNING

When using this product, basic precautions should always be followed, including the following:

- Read the operating instructions of the engine manufacturer before start-up and follow the safety instructions carefully.
- Read all instructions before using product.
- To reduce the risk of injury, close supervision is necessary when the product is used near children.
- Know how to stop the product and bleed pressures quickly. Be thoroughly familiar with the controls.



WARNING

Risk of injection or injury – Do not direct discharge stream at persons.

- High pressure jets can be dangerous if misused. The jet must not be directed at persons, animals, electrical devices, or the unit itself.



DANGER

Do not spray electrical connections, electrical outlets or fixtures.

- Do not use acids, solvents, or any alkaline or flammable material in this product. These products can cause physical injuries to the operator and irreversible damage to the machine.

WARNING

Gun kicks back – Hold with both hands

- The trigger gun safety lock prevents the trigger from accidentally being engaged. This safety feature must be engaged when replacing nozzles or not in use.

WARNING

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Operation of this equipment may create sparks that can start fires around dry vegetation. A spark arrestor may be required. Operator should contact local fire agencies for laws or regulations.

CAUTION

Risk of asphyxiation – Use this product only in a well ventilated area. Do not operate indoors or in any confined area.

- Operate and fuel machine in a well ventilated area, free of devices featuring an open pilot or flame such as boilers, water heaters, etc.

CAUTION

Risk of fire/explosion – Do not add fuel when the machine is operating or still hot.

WARNING

Risk of fire/explosion -Operate only where open flame or torch is permitted. Do not spray flammable liquids.

- Do not operate if fuel has been spilled. Instead, move machine to different location and avoid creating sparks.
- This machine has hot surfaces which can cause burns. Operate in a safe environment and away from children.
- Do not touch hot surfaces or allow accessories to contact hot surfaces.
- Do not leave machine running unattended.
- Avoid tipping machine on its side.

Water Supply (Cold Water Only)

CAUTION

When connecting to water supply mains, local regulations of your municipal water company must be observed. In some areas connecting directly to public drinking water supply may require a back flow prevention device. This is to ensure that there is no feedback of chemicals into the water supply. Use a water filter to avoid potential damage from dirt in the water supply.

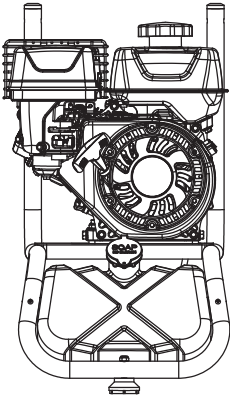
- Garden hose must be at least 5/8 inch diameter.
- Flow rate of water supply must not fall below 2.6 GPM(gallons per minute)
- Flow rate can be determined by running the water for one minute into an empty 5-gallon container.
- The water supply temperature must not exceed 122°F/50°C.
- Never use the pressure washer to

draw in water contaminated with solvents, e.g. paint thinners, gasoline, oil, etc.

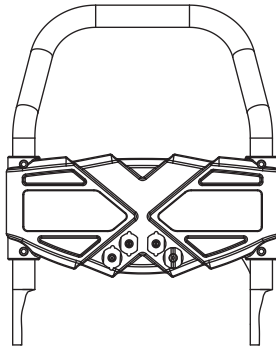
- Always prevent debris from being drawn into the unit by using a clean water source. Use additional water filter.
- Do not operate pressure washer without the water turned on.

Assembly Instructions

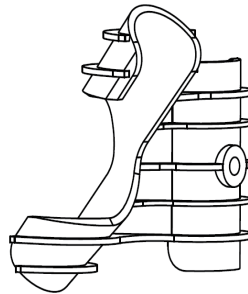
Part List



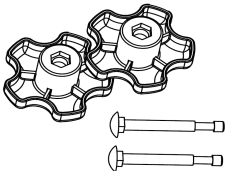
A - Main Frame



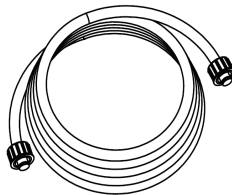
B - Handle



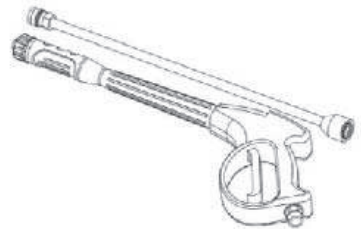
C - Gun Hook



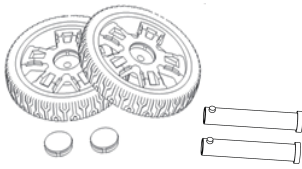
D - Knobs & Bolts



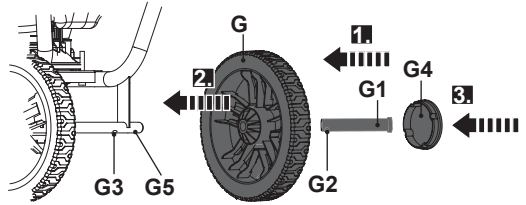
E - Pressure Hose



F - Spray Gun & Wand



G - Wheels



① H – Flat Gasket

② I – Elastic Gasket

③ J – Screw



K – Screw Driver



L-Water Inlet Filter

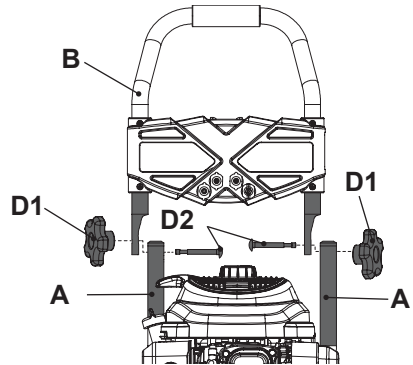
► Handle

- > Align the holes and attach the upper handle bar (B) onto the lower handle bar (A).
- > Secure the connection with bolts (D2) and knobs (D1). Ensure the bolts (D2) are engaged into the square hole properly.

Parts not shown:

- 1 - Manual
- 2 - Nozzle Cleaner
- 3 - Spark Plug Wrench
- 4 - O-Ring Set
- (2 for pressure hose, 1 for spray gun)
- 5 - Funnel For Adding Engine Oil

Assembling

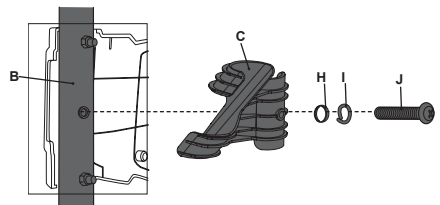


► Wheel

- > Squeeze the locking pin (G2) and insert the wheel axle (G1) into the hole of the wheel (step 1).
- > Squeeze the locking pin and insert the wheel axle into the wheel support (G5)(step 2). Ensure the locking pin snaps in the locking hole (G3) properly.
- > Put the wheel hubcap (G4) onto the wheel. (step 3). Ensure it snaps in place properly.
- > Repeat with the other wheel.

► Gun Holder

- > Secure the spray gun holder (C) onto the upper hand bar (B) with flat gasket (H), elastic gasket (I) and screw (J) using the provided screwdriver (K).



Preparation

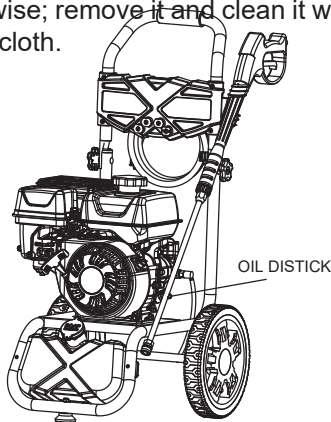
Oil Level

WARNING

Engine shipped without oil in crankcase. Before starting engine, fill with oil with funnel provided..

Do not over-fill. Do not run the engine with a high or low oil level as this can cause engine damage.

- ▶ Turn the oil gauge dipstick counter clockwise; remove it and clean it with a clean cloth.



- ▶ Fully reinsert the oil gauge dipstick and pull it out to check the oil level.
- ▶ If the oil level is halfway up the dipstick or below, refill with SAE

10W -30 oil through the dipstick hole until the oil level reaches 3/4 up the dipstick or until it reaches the bottom lip of the dipstick hole as shown.



Always use SAE 10W-30 oil.

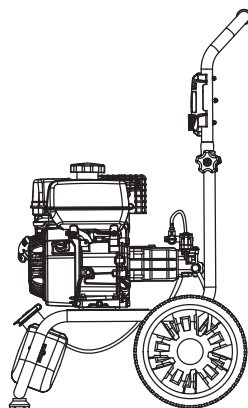
Oil crankcase capacity: 0.6L.

- ▶ Reposition the oil gauge dipstick and tighten it by turning clockwise.
- ▶ Engine oil should be changed after the first 5 hours, then every 50 hours.

Fuel Level

WARNING

Make sure there is enough fuel in the fuel tank before operating. This is a 4-cycle engine and does not require a gas/oil mixture. There is a separate reservoir for gas and a separate reservoir for oil.



- ▶ If it is necessary to add fuel, first make sure the engine is OFF, and then

remove the fuel cap by turning it counter clockwise.

- ▶ When refueling, make sure the fuel filter is in place and keep in mind all safety precautions.
- ▶ Use clean unleaded gasoline with a minimum of 87 octane. DO NOT use old gas. DO NOT mix oil with gasoline.

Fuel tank capacity: .2.6L

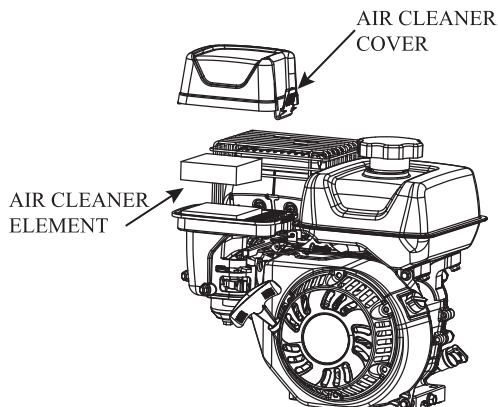
Air Filter

WARNING

1.Never run the engine without an air cleaner, or severe wear of the engine may be resulted in.

2.Replace the air filter element every 50 hours

- ▶ Press the two clips on the top of the air filter cover to remove the cover.

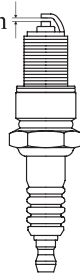


- ▶ Remove foam element or paper element, paying attention to prevent dust and foreign matter entering into air cleaner.
- ▶ Check, clean or replace damaged air cleaner parts.

- ▶ Reinstall the air cleaner parts back.

Spark Plug

0.7-0.8mm

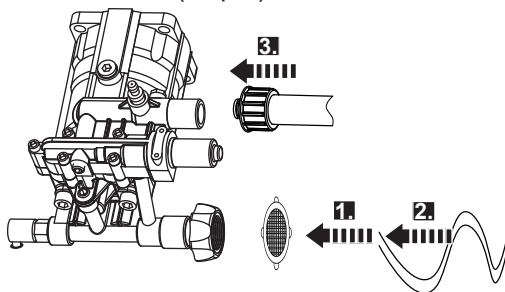


Spark recommended using plug model
TORCH: K7RTC

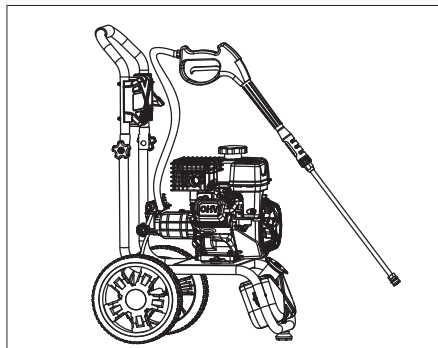
Operating Instructions

Starting Procedure:

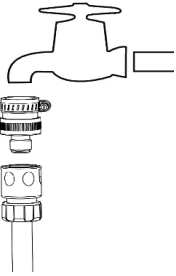
- ▶ Insert the water inlet filter(L) into pump inlet (step 1).
- ▶ Connect garden hose onto pump inlet (step 2).
- ▶ Connect pressure hose onto pump outlet (step 3).



- ▶ Connect spray gun and pressure hose.



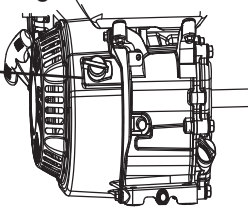
- Open water source.



- Start the Engine

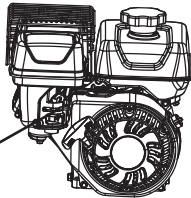
1. Turn the engine switch to "ON" position.

ON/OFF
SWITCH



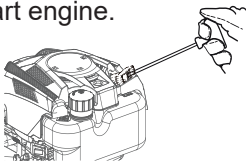
2. Pull the choke lever towards the CLOSE position

CHOKE LEVER



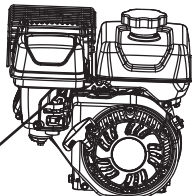
3. Pull trigger on spray gun to release pressure.

4. Locate recoil cord and pull slowly until resistance is felt. At this point, pull rapidly to start engine.



5. Pull the choke lever towards the OPEN position

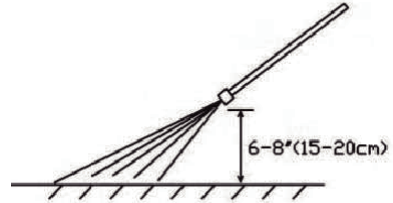
CHOKE LEVER



NOTE: If unable to start the engine, repeat the above operation one or two times.

Cleaning Procedure:

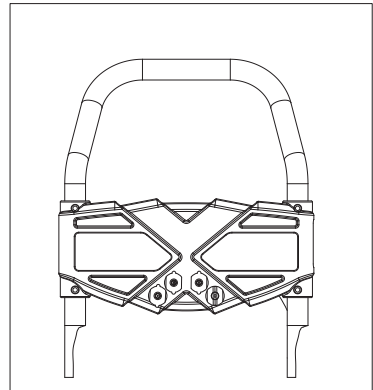
- Position the tip of the wand 6-8" (15-20 cm) away from the surface to clean at a 45° angle.



Using the Accessories

Quick Connect Nozzles

The color-coded quick connect nozzles provide a wide array of spray widths from 0° to 40° and are easily accessible when placed in the convenient nozzle holder.



0° spray angle = Red nozzle

For particularly stubborn accumulation of grime. Not recommended for soft materials like sidings, decks, painted surfaces, cars.

15° spray angle = Yellow nozzle For dirt accumulation over a surface.

For dirt accumulation over a large surface.

25° spray angle = Green nozzle

For moderate dirt accumulation over a large surface.

40° spray angle = White nozzle

For moderate dirt accumulation over a large surface.

Soap = Black nozzle

For operating with detergents or cleaning with low pressure.

- ▶ With the engine running, pull trigger to operate unit.
 - ▶ Liquid detergent is drawn into the unit and mixed with water.
 - ▶ Apply detergent to work area.
 - ▶ Do not allow detergent to dry on surface.
 - ▶ Always flush the detergent tank with fresh water when the cleaning job is done, to rinse/flush any remaining detergents from the injection system.
- NOTE: For best results see Cleaning Tips for specific information on how to clean different surfaces.

CAUTION

High pressure in nozzle area. Risk of injury caused by improperly locked nozzle.

- Make sure you hear the "click" when inserting the nozzle tip into the quick connection.
- Pull the nozzle to make sure it is seated properly before operating your unit.

WARNING

To avoid serious injury never point spray nozzle at yourself, other persons or animals.

CAUTION

Never use:

- Bleach, chlorine products or other corrosive chemicals.
- Liquids containing solvents (i.e., paint thinners, gasoline, oils.)
- Tri-sodium phosphate products.
- Ammonia products.
- Acid-based products.

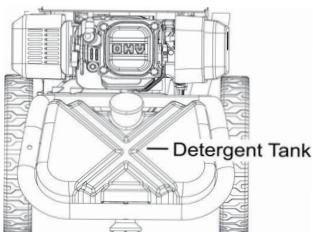
These chemicals will harm the unit and will damage the surface being cleaned.

Use of these items will void the warranty.

Working with Detergents

Detergents can only be applied with the black detergent nozzle.

- ▶ Install the black detergent nozzle for detergent application at low pressure.
- ▶ Fill the detergent tank with Detergent.



Taking a Break five minutes or more

Move the engine stop switch to the OFF position.

- ▶ Release trigger and engage safety lock.

Shutting Down & Clean Up

- ▶ If detergents have been used, insert 1 gallon of fresh water into Detergent Tank. Siphon water at low pressure for one minute to clear the line of residual detergent.
- ▶ Move the engine stop switch to the OFF position. Close the fuel valve.
- ▶ Turn off the water source.
- ▶ Press trigger to release water pressure.
- ▶ Release trigger and engage gun safety lock.
- ▶ Disconnect the garden hose from the water inlet on the unit.
- ▶ Disconnect the high pressure hose from the high pressure outlet. Store the high pressure hose in the gun holder assembly.

Winterizing & Long-Term Storage

It is highly recommended to use a small amount of antifreeze before winter storage and during the cleaning season to protect the pump from freezing and premature wear.

- ▶ Turn engine switch to the OFF position
- ▶ Disconnect all hoses.
- ▶ Unscrew cap from Pump Guard bottle.
- ▶ Remove internal seal.
- ▶ Reattach cap to Pump Guard bottle and remove black protective cap.
- ▶ Screw bottle into water inlet on pressure washer pump and squeeze.
- ▶ With ignition OFF, pull starter rope until fluid starts to exit.
- ▶ Unscrew bottle. Store or dispose prop-

erly.

If Guard is unavailable, perform the following:

- ▶ Disconnect all water connections.
- ▶ Turn on the machine for a few seconds, until the water which remained in the pump exits. Turn off engine immediately.

CAUTION

Failure to follow the above directions may result in damage to the pump assembly and accessories and void the warranty.

Do not allow high pressure hose to become kinked.

Store machine and accessories in a room which does not reach freezing temperatures. DO NOT store near furnace or other sources of heat as it may dry out the pump seals.

Maintenance Instructions

Pump

Pump Inspection

You should routinely make a visual inspection of the pressure washer's pump.

Engine

Carry out maintenance tasks for the engine according to the specifications provided in the operating instructions provided by engine manufacturer.

Cleaning Tips

Deck Cleaning

With or Without Detergent

Pre-rinse deck and surrounding area with fresh water. For best results, limit your work area to smaller sections of approximately 25 square feet. Allow Deck Wash to remain on surface 1-3 minutes. Do not allow detergent to dry on surface. Rinse at high pressure in a long sweeping motion keeping the spray nozzle approximately 3-6 inches from the cleaning surface. Always clean from top to bottom and from left to right. When moving on to a new section of the cleaning surface, be sure to overlap the previous section to eliminate stop marks and ensure a more even cleaning result.

Cars, Boats & Motorcycles

With or Without Detergent

Pre-rinse vehicle with fresh water. For best results, clean one side of vehicle at a time and always apply detergent from bottom to top, do not allow detergent to dry on surface. If needed, use special wash brush attachment (not

included) to remove stubborn dirt. Rinse at high pressure

in a sweeping motion keeping the spray nozzle approximately 6-8 inches

from the cleaning surface (distance should increase when rinsing pin-striping or other sensitive surfaces). Always clean from top to bottom and from left to right. For best results, wipe surface dry with a chamois or soft dry cloth.

House Siding

With or Without Detergent

Pre-rinse cleaning surface with fresh water. For best results, limit your work area to sections of approximately 6 feet and always apply detergent from bottom to top). Allow detergent to remain on surface 1-3 minutes. Do not allow detergent to dry on surface, if surface appears to be drying, simply wet down surface with fresh water. If needed, use special wash brush attachment (not included) to remove stubborn dirt. Rinse at high pressure- from top to bottom in an even sweeping motion keeping the spray nozzle approximately 6 inches from the cleaning surface.

Cement Patios, Brick & Stone

With or Without Detergent

Pre-rinse cleaning surface with fresh water. For best results, limit your work area to smaller sections of approxi-

mately 25 square feet. Allow Pressure Wash or Degreaser to remain on surface 1-3 minutes. Do not allow detergent to dry on surface. Rinse at high pressure in a sweeping motion keeping the spray nozzle approximately 3-6 inches from the cleaning surface. Always clean from top to bottom and from left to right. For removing extremely stubborn stains, use a DirtBlaster® Spray Nozzle (sold separately).

Barbecue Grills, Outdoor Power Equipment & Gardening Tools

With or Without Detergent

Pre-rinse cleaning surface with fresh water. Allow Pressure Wash to remain on surface 1-3 minutes. Do not allow detergent to dry on surface. Rinse at high pressure keeping the spray nozzle approximately 3-6 inches from the cleaning surface. For removing extremely stubborn dirt, it may be necessary to move the spray nozzle even closer to the surface for greater dirt cutting action.

Patio & Lawn Furniture

With or Without Detergent

Pre-rinse furniture and surrounding area with fresh water. If using Pressure Wash, apply to surface at low pressure. Allow Pressure Wash to remain on surface 1-3 minutes. Do not allow detergent to dry on surface. If needed use special Wash Brush Attachment (not included) to remove stubborn dirt. Rinse at high pressure in a sweeping motion keeping the spray nozzle

approximately 3-6 inches from the cleaning surface. For best results, clean from top to bottom and from left to right.

Recommendations

- Before cleaning any surface, an inconspicuous area should be cleaned to test spray pattern and distance for maximum cleaning results.
- If painted surfaces are peeling or chipping, use extreme caution as pressure washer may remove the loose paint from the surface.
- When using on surfaces which might come in contact with food, flush surfaces with plenty of drinking water.

Optional Accessories

Optional accessories are available to further enhance your cleaning capabilities. These accessories are accurate as of the printing date of this manual.

- Extension Hose
- DirtBlaster® Spray Nozzle
- Universal Wash Brush Kit

Troubleshooting



CAUTION

Remove the spark plug cable to prevent accidental ignition of the engine before making any repair.

Symptom	Cause	Solution
Engine Will Not Start	No Gasoline.	Fill Gas Tank.
	Choke is not in the correct position.	Slide lever out to closed position.
	Ignition switch is not in the correct position.	Turn Ignition switch on
	Water pressure built up in the machine.	Squeeze the trigger to release the pressure.
Unit Does Not Reach High Pressure	Diameter of garden hose is too small.	Replace with a 5/8 inch or larger garden hose.
	Water supply is restricted.	Check garden hose for kinks, leaks and blockage.
	Not enough inlet water supply.	Turn water on full force. Check garden hose for kinks, leaks or blockage.
	Water inlet filter is clogged.	Remove filter and rinse out in warm water.
	Black detergent nozzle is attached.	Remove black detergent nozzle and attach high pressure nozzle.
Output Pressure Varies High And Low	Not enough inlet water supply.	Turn water on full force. Check garden hose for kinks, leaks or blockage.

Symptom	Cause	Solution
Output Pressure Varies Between High And Low	Pump is sucking air.	Check that hoses and fittings are air tight. Turn off machine and purge pump by squeezing trigger gun until a steady flow of water emerges through the nozzle
	Water inlet filter is clogged.	Remove filter and rinse out in warm water.
	Spray nozzle is obstructed.	Blow out or remove debris with a fine needle.
	Calcified gun, hose or spray wand.	Run distilled vinegar through detergent tank.
No Detergent	Detergent suction tube not properly connected to the machine.	Check connection.
	Detergent is too thick.	Dilute detergent
	Filter on detergent suction tube is clogged.	Run warm water through filter to remove debris.
	Damaged or clogged detergent suction tube.	Remove obstruction or replace detergent suction tube.
	A high pressure nozzle is attached.	Replace with black detergent nozzle.
	Spray nozzle is obstructed.	Blow out or remove debris with fine needle.
Garden Hose Connection Leaks	Loose fittings.	Tighten fittings.
	Missing/worn rubber washer.	Insert new washer.

Symptom	Cause	Solution
Spray Wand Leaks	Spray wand not properly attached.	Turn the swivel nut of the gun clockwise until connection is tight.
Pump Is Noisy	Not enough gas or engine oil.	Check that hoses and fittings are air tight. Turn off machine and purge pump by squeezing trigger gun until a steady flow of water emerges through the nozzle.
Permissible) Water Leaks From Pump (Up To 10 Drop Per Minute Is	Loose fittings.	Check fittings.
	Thermal protection device is activated.	Thermal protection device will auto reset. Do not run pump for more than 5 minutes without spraying.

High Pressure Washers

Limited 24 month warranty

Cold water gas pressure washers

This product is warranted by to be free of defects in workmanship and materials under normal use.

Specific warranty applies to:

- Rato 209cc engines are warranted for two (2) years on parts and labor.
- Pumps and engines are warranted for two (2) years on parts and labor.
- Frames, handles and detergent tanks, as well as other structural components, carry a one (1) year parts and labor warranty.
- Standard accessories and attachments are warranted for a ninety (90) day period.
- Any commercial, industrial or rental use of this equipment will reduce the warranty to ninety (90) days.

The warranty period is calculated from the date of purchase by the end user and covers cost for replacement parts / equipment and warranty labor per-formed. A copy of the original purchase receipt or gift receipt from the original retailer must also accompany the war-ranty claim.

This warranty does not cover:

- Merchandise sold as reconditioned, used, demonstration or floor models.
- Merchandise purchased on eBay and other online auction web sites.

SERVICE CARD

Your Service Includes

- **24-Month Coverage**

Within 24 months of purchase, we will provide timely and effective online after-sales service. We will repair or replace any defective product (due to manufacturing fault) within the service period.

How to Return Your ENGINDOT Product

- Contact support@engindotools.com with your order number.
- We will issue you a return label for your return.
- Tear off the "Return Details" page and fill in the details. Include this inside your return package.
- We will issue your replacement/refund on receiving the return package.

Return Details

In order to process your return as quickly as possible, we require the following information. Please fill out this form and include it in your return package.

Purchase Name:	
Order Number:	
Date of Purchase:	
Your Email Address:	
Place of Purchase:	

*If your purchase was fulfilled by Amazon, please use Amazon's 30-day return service.

 516-896-6611 Mon-Fri 9AM-5PM(ET)

 www.engindotools.com

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Made in China

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