

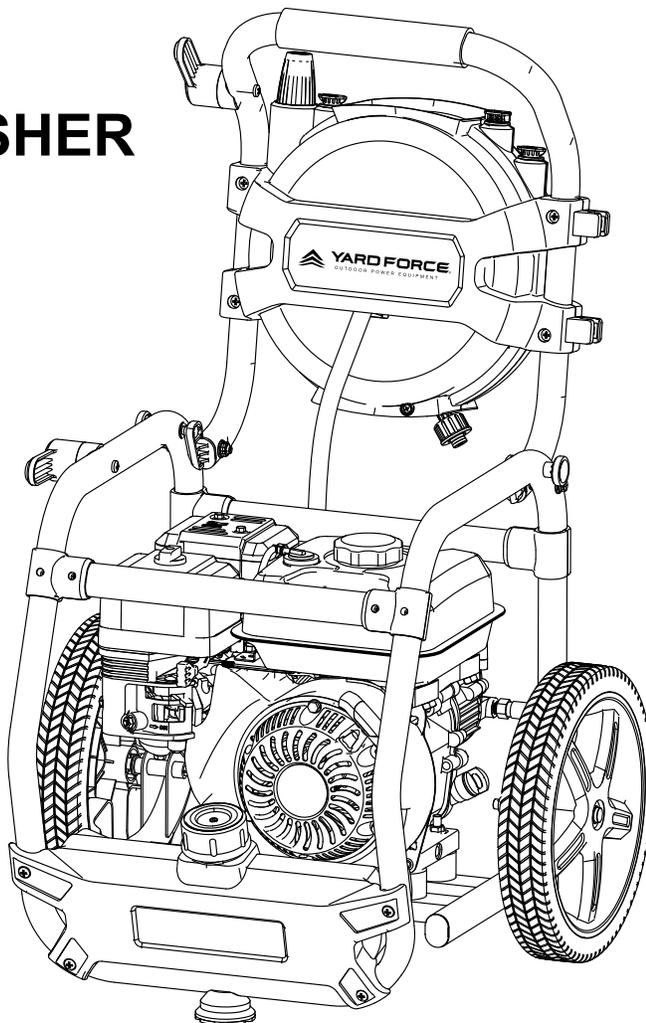
Operator's Manual



3,200 PSI MAX* @ 2.5 GPM
2,400 PSI @ 2.7 GPM MAX*

GAS PRESSURE WASHER

Model No. Y0GWC3200R0



HOURS: Mon. - Fri. 8 a.m. to 5 p.m. (ET)



WARNING

Before using this product, read this manual and follow all Safety Rules and Operating Instructions.

- **Safety**
- **Assembly**
- **Operation**
- **Maintenance**
- **Parts**

* This pressure washer is rated in accordance to the Pressure Washer Manufacturers Association (PWMA) standard PW101-2010 (Testing and Rating Performance of Pressure Washers)

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SAFETY RULES



Read this manual carefully and become familiar with your pressure washer. Know its applications, its limitations, and any hazards involved.

Important Safety Information

Safety Symbols and Meanings



Operator's Manual



Toxic Fumes



Electrical Shock



Slippery Surface



Fall



Fluid Injection



Fire



Explosion



Kickback



Projectile



Moving Parts



Flying Objects



Chemical Burn



Hot Surface

The safety alert symbol indicates a potential personal injury hazard. A signal word (DANGER, WARNING, or CAUTION) is used with the alert symbol to designate a degree or level of hazard seriousness. A safety symbol may be used to represent the type of hazard. The signal word NOTICE is used to address practices not related to personal injury.

DANGER indicates a hazard which, if not avoided, will result in death or serious injury.

WARNING indicates a hazard which, if not avoided, could result in death or serious injury.

CAUTION indicates a hazard which, if not avoided, could result in minor or moderate injury.

NOTICE address practices not related to personal injury.

WARNING The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

WARNING This product contains lead and lead compounds, known to the State of California to cause birth defects or other reproductive harm. Wash your hands after handling this product.

WARNING POISONOUS GAS HAZARD.



Engine exhaust contains carbon monoxide, a poisonous gas that could kill you in minutes. You CANNOT smell it, see it, or taste it. Even if you do not smell exhaust fumes, you could still be exposed to carbon monoxide gas. Some chemicals or detergents could be harmful if inhaled or ingested, resulting in death, serious injury, nausea, fainting or poisoning.

- Operate this product ONLY outside far away from windows, doors and vents to reduce the risk of carbon monoxide gas from accumulating and potentially being drawn towards occupied spaces.
- Install battery-operated carbon monoxide alarms or plug-in carbon monoxide alarms with battery back-up according to the manufacturer's instructions. Smoke alarms cannot detect carbon monoxide gas.
- DO NOT run this product inside homes, garages, basements, crawlspaces, sheds, or other partially-enclosed spaces even if using fans or opening doors and windows for ventilation. Carbon monoxide can quickly build up in these spaces and can linger for hours, even after this product has shut off.
- ALWAYS place this product downwind and point the engine exhaust away from occupied spaces. If you start to feel sick, dizzy, or weak while using this product, shut it off and get to fresh air RIGHT AWAY. See a doctor. You may have carbon monoxide poisoning.
- Use a respirator or mask whenever there is a chance that vapors may be inhaled when using chemicals.
- Read all instructions with mask so you are certain the mask will provide the necessary protection against inhaling harmful vapors when using chemicals.

WARNING Chemical Burn Hazard.



Chemicals could cause burns resulting in death or serious injury.

- DO NOT use caustic liquid with pressure washer.
- Use ONLY pressure washer safe detergents/soaps. Follow all manufacturers instructions.

WARNING

- Read all the instructions before using the product.
- To reduce the risk of injury, close supervision is necessary when a product is used near children.
- Know how to stop the product and bleed pressures quickly. Be thoroughly familiar with the controls.
- Stay alert – watch what you are doing.
- Do not operate the product 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.
- Follow the maintenance instructions specified in the manual.

 **WARNING** Starter cord kickback (rapid retraction) will pull hand and arm toward engine faster than you can let go which could cause broken bones, fractures, bruises, or sprains resulting in serious injury.



- NEVER pull starter cord without first relieving spray gun pressure.
- When starting engine, pull cord slowly until resistance is felt and then pull rapidly to avoid kickback.
- After each starting attempt, where engine fails to run, always point spray gun in safe direction, press red button and squeeze spray gun trigger to release high pressure.
- Firmly grasp spray gun with both hands when using high pressure spray to avoid injury when spray gun kicks back.

 **WARNING** Risk of electrocution, Contact with power source could cause electric shock or burn resulting in death or serious injury.



- NEVER spray near power source.

 **WARNING** The high pressure stream of water that this equipment produces could cut through skin and its underlying tissues, resulting in serious injury and possible amputation.



Spray gun traps high water pressure, even when engine is stopped and water is disconnected, which could result in serious injury.

- If cut by fluid, call physician immediately. DO NOT treat as a simple cut.
- DO NOT allow CHILDREN to operate pressure washer.
- NEVER repair high pressure hose. Replace it.
- NEVER repair leaking connections with sealant of any kind. Replace o-ring or seal.
- NEVER connect high pressure hose to nozzle extension.
- Keep high pressure hose connected to pump and spray gun while system is pressurized.
- ALWAYS point spray gun in safe direction, press red button and squeeze spray gun trigger to release high pressure, every time you stop engine.
- NEVER aim spray gun at people, animals, or plants.
- DO NOT secure spray gun in open position.
- DO NOT leave spray gun unattended while machine is running.
- NEVER use a spray gun which does not have a trigger lock or trigger guard in place and in working order.
- Always be certain spray gun, nozzles and accessories are correctly attached.

 **WARNING** Fuel and its vapors are extremely flammable and explosive which could cause burns, fire or explosion resulting in death or serious injury.

WHEN ADDING OR DRAINING FUEL

- Turn pressure washer engine OFF and let it cool at least 2 minutes before removing fuel cap. Loosen cap slowly to relieve pressure in tank.
- Fill or drain fuel tank outdoors.
- DO NOT overfill tank. Allow space for fuel expansion.
- If fuel spills, wait until it evaporates before starting engine.
- Keep fuel away from sparks, open flames, pilot lights, heat, and other ignition sources.
- Check fuel lines, tank, cap and fittings frequently for cracks or leaks. Replace if necessary.
- DO NOT light a cigarette or smoke.

WHEN STARTING EQUIPMENT

- Ensure spark plug, muffler, fuel cap, and air cleaner are in place
- DO NOT crank engine with spark plug removed.

WHEN OPERATING EQUIPMENT

- DO NOT operate this product inside any building, carport, porch, mobile equipment, marine applications, or enclosure.
- DO NOT tip engine or equipment at angle which causes fuel to spill.
- DO NOT spray flammable liquids.

WHEN TRANSPORTING, MOVING OR REPAIRING EQUIPMENT

- Transport/move/repair with fuel tank EMPTY or with fuel shutoff valve OFF (0).
- DO NOT tip engine or equipment at angle which causes fuel to spill.
- Disconnect spark plug wire.

WHEN STORING FUEL OR EQUIPMENT WITH FUEL IN TANK

- Store away from furnaces, stoves, water heaters, clothes dryers, or other appliances that have pilot light or other ignition source because they could ignite fuel vapors.

 **WARNING**

- If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.
- In the event of pilot outage, wait at least five minutes to clear out any gas before relighting.
- Use only your hand to push in or turn the gas control knob. Never use a tool. If the knob will not push in or turn by hand, don't try to repair it; call a qualified service technician.

 **WARNING** Exhaust heat/gases could ignite combustibles, structures or damage fuel tank causing a fire, resulting in death or serious injury.



Contact with muffler area could cause burns resulting in serious injury.

- DO NOT touch hot parts and AVOID hot exhaust gases.
- Allow equipment to cool before touching,
- Keep at least 5 ft. (1.5 m) of clearance on all sides of pressure washer including overhead.

It is a violation of California Public Resource Code, Section 4442, to use or operate the engine on any forest covered, brush-covered, or grass-covered land unless the exhaust system is equipped with a spark arrester, as defined in Section 4442, maintained in effective working order. Other states or federal jurisdictions may have similar laws. Contact the original equipment manufacturer, retailer, or dealer to obtain a spark arrester designed for the exhaust system installed on this engine.

- Replacement parts must be the same and installed in the same position as the original parts.

 **WARNING** Use of pressure washer could create puddles and slippery surfaces causing you to fall resulting in death or serious injury.



Kickback from spray gun could cause you to fall resulting in death or serious injury.

- Operate pressure washer from a stable surface.
- The cleaning area should have adequate slopes and drainage to reduce the possibility of a fall due to slippery surfaces.
- Be extremely careful if you must use the pressure washer from a ladder, scaffolding, or any other similar location.
- Firmly grasp spray gun with both hands when using high pressure spray to avoid injury when spray gun kicks back.

 **WARNING** Unintentional sparking could cause fire or electric shock resulting in death or serious injury.



WHEN ADJUSTING OR MAKING REPAIRS TO YOUR PRESSURE WASHER

- Disconnect the spark plug wire from the spark plug and place the wire where it cannot contact spark plug.

WHEN TESTING FOR ENGINE SPARK

- Use approved spark plug tester.
- DO NOT check for spark with spark plug removed.

 **WARNING** Starter and other rotating parts could entangle hands, hair, clothing, or accessories resulting in serious injury.



- NEVER operate pressure washer without protective housing or covers.
- DO NOT wear loose clothing, jewelry or anything that could be caught in the starter or other rotating parts.
- Tie up long hair and remove jewelry.

 **WARNING** Risk of eye or bodily injury.



Spray could splash back or propel objects resulting in serious injury.

- Always wear indirect vented (chemical splash) safety goggles marked to comply with ANSI Z87.1 when using or in vicinity of this equipment.
- NEVER substitute safety glasses or dry-condition goggles for indirect vented safety goggles.
- Always wear protective clothing such as a long-sleeved shirt, long pants and close-toed shoes.
- NEVER operate pressure washer when barefoot or wearing sandals or shorts.

 **CAUTION** Excessively high operating speeds could result in minor injury.

Excessively low speeds impose a heavy load.

- DO NOT tamper with governor spring, links or other parts to increase engine speed. Pressure washer supplies correct rated pressure and flow when running at governed speed.
- DO NOT modify pressure washer in any way.

NOTICE High pressure spray could damage fragile items including glass.

- DO NOT point spray gun at glass when using red (0 °) spray tip.
- NEVER aim spray gun at plants

NOTICE Improper treatment of pressure washer could damage it and shorten its life.

- If you have questions about intended use, ask dealer or contact qualified service center.
- NEVER operate units with broken or missing parts, or without protective housing or covers.
- DO NOT by-pass any safety device on this machine.
- DO NOT tamper with governed speed.
- DO NOT operate pressure washer above rated pressure.
- DO NOT modify pressure washer in any way.
- Before starting pressure washer in cold weather, check all parts of the equipment to be sure ice has not formed there.
- NEVER move machine by pulling on hoses. Use handle provided on unit.
- Use only identical replacement parts as specified in the Parts List in this manual. User assumes all risks and liabilities if other parts are used.

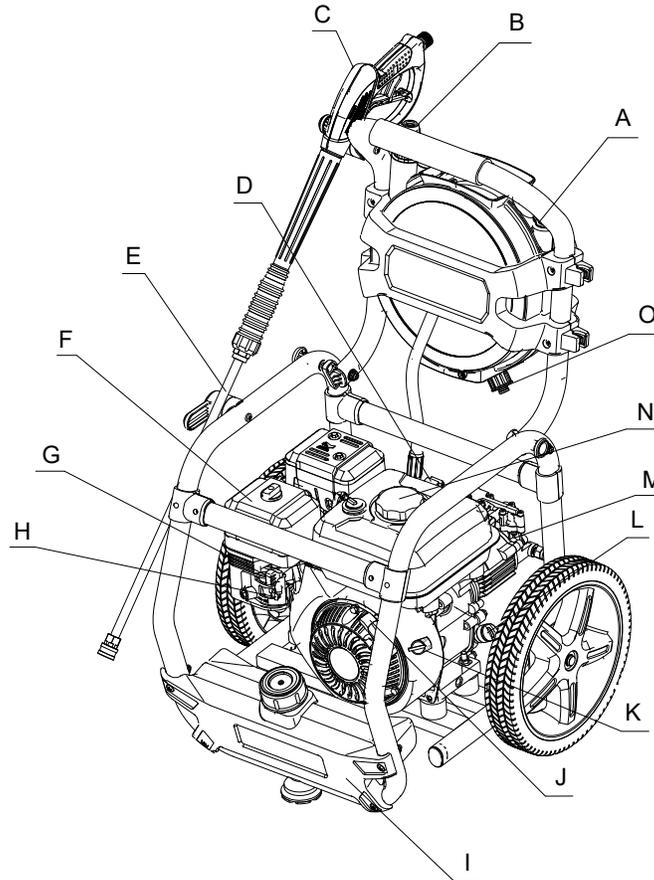
FEATURES AND CONTROLS

KNOW YOUR PRESSURE WASHER



Read the operator's manual and safety rules before operating your pressure washer.

Compare the illustrations with your pressure washer to familiarize yourself with the locations of various controls and adjustments. Save this manual for future reference.



- A- Quick-Connect Nozzles** -15°, 40°for high pressure, soap is for detergent function with low pressure water steam. Turbo is for rotating flush.
- B- Nozzle Needle** - Clean the nozzles.
- C- Spray Gun** - Controls the application of water onto cleaning surface with trigger device. Includes trigger lock.
- D- Water Inlet** - Connection for garden hose.
- E- Spray Wand** - Attach to spray gun to use four different quick-connect nozzles.
- F- Air Filter** - Protects engine by filtering dust and debris out of intake air.
- G- Choke lever** - Used to help start a cold engine.
- H- Fuel valve lever** - Set the fuel supply valve.
- I - Detergent Tank** - Use to store detergent for the low pressure water stream.
- J- Recoil Starter** - Used for starting the engine manually.

- K- Engine switch** - Set the engine in starting mode and stop a running engine.
- L- Oil Fill Cap/ Dipstick** - Check, fill and drain engine oil here.
- M- Pump** - Develops high pressure water.
- N- Fuel Tank Cap-** Fill engine with regular unleaded fuel here. Always leave room for fuel expansion.
- O- High Pressure Hose-** Connect one end to the spray gun, the other end to the pump (already assembled to the pump at the factory).

ASSEMBLY

Your pressure washer requires some assembly and is ready for use only after it has been properly serviced with the recommended oil and fuel.

If you have any problems with the assembly of your pressure washer, please call the pressure washer help line at 1-866-902-9690.

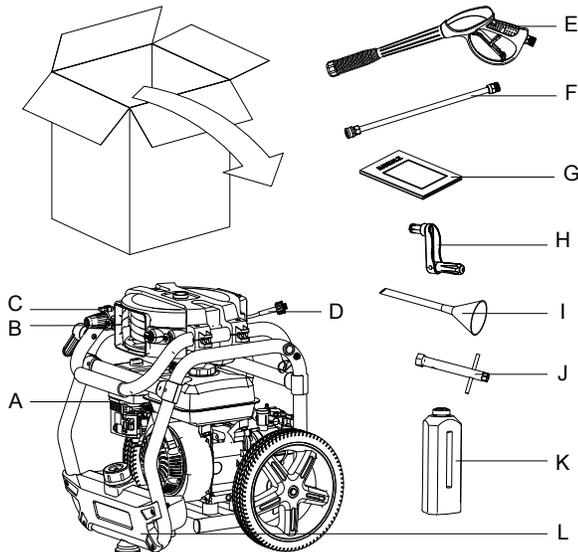
IMPORTANT: Any attempt to run the engine before it has been serviced with the recommended oil will result in an engine failure.

UNPACK THE PRESSURE WASHER

- Remove everything from carton except the pressure washer.
- Open carton completely by cutting each corner from top to bottom.
- Remove pressure washer from carton.

CARTON CONTENTS

Check all contents. If any parts are missing or damaged, call the pressure washer helpline at 1-866-902-9690.



- A- Main unit
- B- Quick-connect nozzles (4)
- C- Nozzle needle
- D- High pressure hose
- E- Spray gun
- F- Spray wand
- G- Operator's Manual
- H- Hand crank
- I- Funnel
- J- Spark Wrench
- K- Oil bottle
- L- Detergent tank

Become familiar with each piece before assembling the pressure washer. Check all contents against the illustration. If any parts are missing or damaged, call the pressure washer helpline at 1-866-902-9690.

ASSEMBLING YOUR PRESSURE WASHER

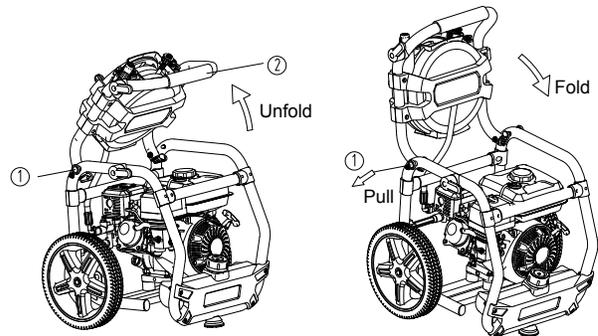
Your Craftsman high pressure washer was mostly assembled at the factory. However, you will need to perform these tasks before you can operate your pressure washer:

1. Handle position adjustment.
2. Connect hand crank onto hose reel.
3. Add oil to engine crankcase.
4. Add fuel to fuel tank.
5. Lubricate O-rings.
6. Connect hose and water supply to pump.
7. Connect spray wand and quick-connect nozzles.

1. Handle Position Adjustment

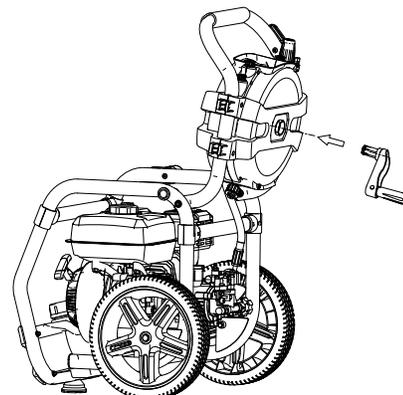
Turn the handle ② upward around 100°, until the locking/releasing pin ① engages into the corresponding hole on the frame. Make sure the handle was fixed securely before each using.

To fold the handle. Pull the locking/releasing pin ① outward on the right side of the pressure washer, and turn the handle ② downward to fold the handle.



2. Connect Hand Crank onto Hose Reel

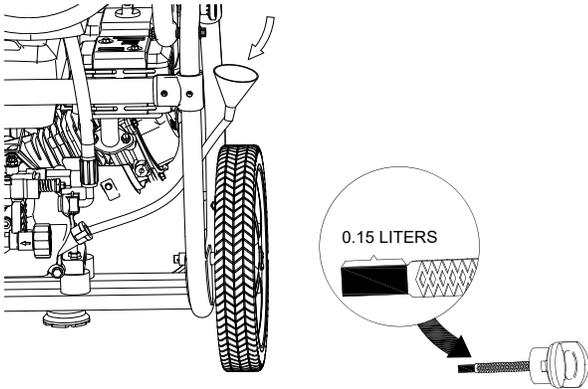
Attach hand crank onto the hose reel. Insert in the hole and snap into place by hand. No tools required.



3. Add Oil to Engine Crankcase

CAUTION! DO NOT attempt to crank or start the engine before it has been properly serviced with the recommended oil. This may result in an engine failure.

1. Place pressure washer on a flat, level surface.
2. Clean area around oil fill and remove yellow oil fill cap / dipstick.
3. Using oil funnel (provided), slowly pour contents of supplied oil into oil fill opening, checking oil level frequently, fill to FULL mark (top hole) on dipstick.



NOTICE: Pause to permit oil to settle. Wipe dipstick clean each time oil level is checked. **DO NOT** Overfill.

4. Replace oil fill cap/ dipstick and fully tighten.

4. Add Fuel to Fuel Tank

Fuel must meet these requirements:

- Clean, fresh, unleaded gasoline.
- A minimum of 87 octane/ 87 AKI (91 RON). For high altitude use, see “High Altitude”.
- Gasoline with up to 10% ethanol (gasohol) is acceptable.

NOTICE: Use of unapproved fuels could damage the engine and voids warranty.

- **DO NOT** use unapproved gasoline such as E15 and E85.
- **DO NOT** mix oil in gasoline or modify engine to run on alternate fuels.



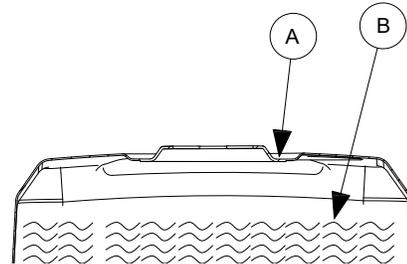
WARNING! Fuel and its vapors are extremely flammable and explosive which could cause burns, fire or explosion resulting in death or serious injury.

WHEN ADDING FUEL

- Turn pressure washer engine OFF and let it cool at least 2 minutes before removing fuel cap.
- Loosen cap slowly to relieve pressure in tank.
- Fill fuel tank outdoors.
 - **DO NOT** overfill tank. Allow space for fuel expansion.
 - If fuel spills, wait until it evaporates before starting engine.
 - Keep fuel away from sparks, open flames, pilot lights, heat, and other ignition sources.
 - Check fuel lines, tank, cap and fittings frequently for cracks or leaks. Replace if necessary.
 - **DO NOT** light a cigarette or smoke.

To protect the fuel system from gum formation, mix in a fuel stabilizer when adding fuel. See “Storage”. All fuel is not the same. If you experience starting or performance problems after using fuel, switch to a different fuel provider or change brands. This engine is certified to operate on gasoline. The emission control system for the engine is EM (Engine Modifications).

1. Clean area around fuel fill cap, remove cap.
2. Slowly add regular unleaded fuel (A) to fuel tank (B). Be careful not to overfill. To allow for fuel expansion, do not fill above the bottom of the fuel tank neck.



3. Install fuel cap and wait for any spilled fuel to evaporate.

CAUTION! Alcohol-blended fuels (called gasohol, ethanol or methanol) can attract moisture,

which leads to separation and formation of acids during storage. Acidic gas can damage the fuel system of an engine while in storage.

To avoid engine problems, the fuel system should be treated with fuel preserver or emptied before storage of 30 days or longer. If adding a fuel preserver, fill the fuel tank with fresh fuel. If only partially filled, air in the tank will promote fuel deterioration during storage. If fuel preserver is not used, drain the fuel tank, start the engine and let it run until the fuel lines and carburetor are empty. Use fresh fuel next season. See “Storage” for additional information.

NEVER use engine or carburetor cleaner products in the fuel tank as permanent damage may occur.

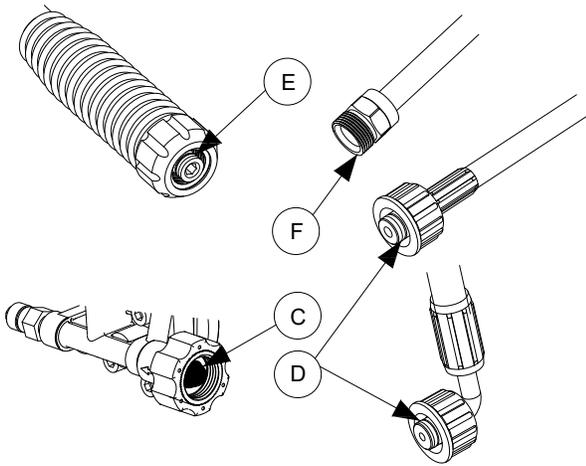
High Altitude

At altitude over 5,000 ft. (1524 m), a minimum 85 octane / 85 AKI (89 RON) gasoline is acceptable. To remain emission compliant, high altitude adjustment is required. Operation without this adjustment will cause decreased performance, increased fuel consumption, and increased emissions. See a qualified CRAFTSMAN dealer for high altitude adjustment information. Operation of the engine at altitudes below 2,500 ft. (762m) with the high altitude kit is not recommended.

5. Lubricate O-Rings

Lubrication of o-rings is extremely important for installation and operation. The use of lubricant (petroleum or synthetic grease) during assembly helps seat o-rings properly and provides an improved seal. It also helps protect the o-rings from damage by abrasion, pinching or cutting and extends the life of the o-rings.

NOTICE: ALWAYS apply a small amount of lubricant on o-rings prior to assembling the garden hose to the pump (C), high pressure hose (D), spray gun (E), and spray wand (F).



Lubricate all connections shown below, following these instructions:

- 1) Inspect and clean connecting surfaces prior to lubrication and assembly.
- 2) Use lubricants sparingly during assembly; a light film is all that is required.
- 3) Use a small brush or cotton swab to apply grease directly to o-rings where they are not accessible (QC fitting, M22 fitting).

6. Connect Hose and Water Supply to Pump

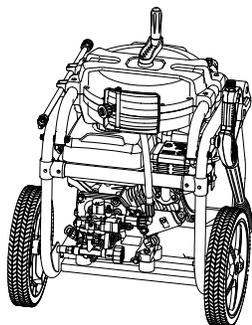
IMPORTANT! DO NOT run the pump without the water supply connected and turned on.

- Damage to pressure washer resulting from failure to follow this instruction will void warranty.

NOTICE: Remove and discard the shipping caps from the pump's high pressure outlet and water inlet before attaching hoses.

- 1) Uncoil high pressure hose when handle folded, and attach one end of hose to the base of the spray gun. Tighten by hand. The other end already assembled to the pump at the factory.

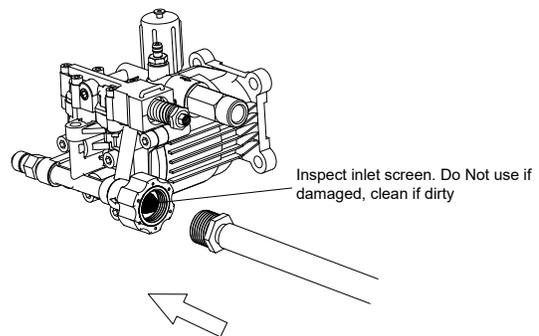
NOTICE: The hose only can be uncoiled from the bottom of the hose reel, it's recommended to keep the handle folded for easy unwinding and winding the hose.



WARNING! The high pressure stream of water that the pressure washer produces could cut through skin and its underlying tissues, resulting in serious injury and possible amputation.

- NEVER connect high pressure hose to spray wand.
- Keep high pressure hose connected to pump and spray gun while system is pressurized.
- Always be certain spray gun, wand, nozzles and other accessories are correctly attached.

- 2) Before you connect your garden hose to the water inlet, inspect the inlet screen. Clean the screen if it contains debris or have it replaced if damaged. Do Not run the pressure washer if the inlet screen is damaged or missing.



IMPORTANT! NEVER siphon standing water for the water supply. Use only cold water (less than 100 °F).

CAUTION! Using a One Way Valve (vacuum breaker or check valve) at pump inlet could cause pump or inlet connector damage.

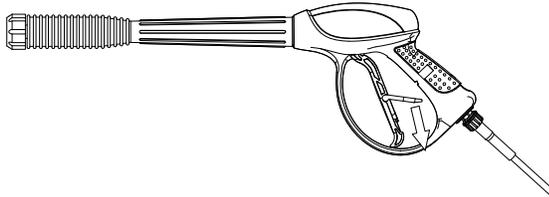
- 1) There must be at least 10 ft. (3 m) of unrestricted garden hose between pressure washer inlet and any device, such as a vacuum breaker or check valve.
- 2) Damage to pressure washer resulting from failure to follow this instruction will void warranty.
- 3) Run water through garden hose for 30 seconds to flush it of debris. Turn off water.
- 4) Connect garden hose (not to exceed 50 ft. in length) to water inlet. Tighten by hand.

WARNING! Risk of eye injury!

Spray could splash back or propel objects resulting in serious injury.

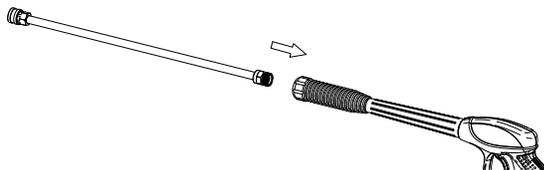
- Always wear indirect vented (chemical splash) safety goggles marked to comply with ANSI Z87.1 when using or in vicinity of the pressure washer.
- NEVER substitute safety glasses or dry-condition goggles for indirect vented safety goggles.

- 5) Turn ON the water, point the spray gun at a safe direction, release the red trigger lock, then squeeze trigger to purge the pump system of air and impurities.

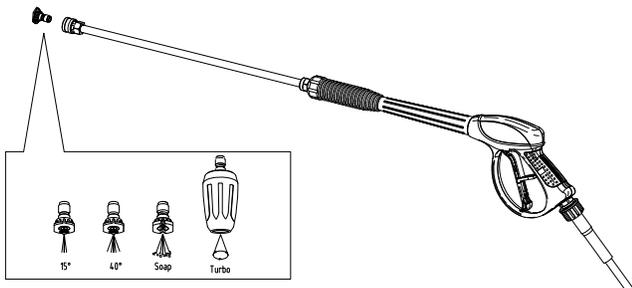


7. Connect Spray Wand and Quick-Connect Nozzles

- 1) Attach the spray wand into spray gun. Tighten by hand.



- 2) Turn OFF the water and release trigger. Point the spray gun at a safety direction and make sure trigger is locked and can't be squeezed.
- 3) Choose the quick-connect nozzle you want to use, pull back on collar of spray wand, insert the nozzle and release collar. Tug on the nozzle to make sure it is securely in place. More information please see "How to Use Quick-Connect Nozzles" section.



CHECK LIST BEFORE STARTING ENGINE

Review the assembly to ensure you have performed all of the following:

- Be sure to read "Safety Rules" and "Operation" sections before using the pressure washer.
- Make sure handle is in place and secure.
- Check that oil has been added to proper level in engine crankcase.
- Add proper gasoline to fuel tank.
- Check for properly tightened hose connections (high pressure and water supply) and for tight connections and that there are no kinks, cuts, or damage to the high pressure hose.
- Provide proper water supply (not to exceed 100°F).
- If starting pressure washer after storage, see "Storage" section below.

OPERATION

HOW TO USE YOUR PRESSURE WASHER

If you have any problems operating your pressure washer, please call the pressure washer helpline at **1-866-902-9690**.

Pressure Washer Location

Carbon Monoxide Poisoning

⚠ WARNING! POISONOUS GAS HAZARD.

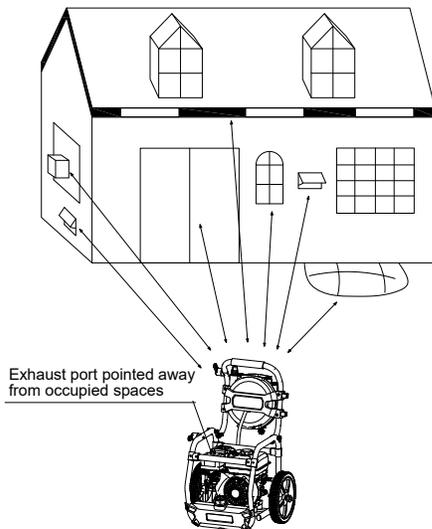


Engine exhaust contains carbon monoxide, a poisonous gas that could kill you in minutes.

You CANNOT smell it, see it, or taste it. Even if you do not smell exhaust fumes, you could still be exposed to carbon monoxide gas.

- Operate this product ONLY outside far away from windows, doors and vents to reduce the risk of carbon monoxide gas from accumulating and potentially being drawn towards occupied spaces.
- Install battery-operated carbon monoxide alarms or plug-in carbon monoxide alarms with battery back-up according to the manufacturer's instructions. Smoke alarms cannot detect carbon monoxide gas.
- DO NOT run this product inside homes, garages, basements, crawlspaces, sheds, or other partially enclosed spaces even if using fans or opening doors and windows for ventilation. Carbon monoxide can quickly build up in these spaces and can linger for hours, even after this product has shut off.
- ALWAYS place this product downwind and point the engine exhaust away from occupied spaces.

If you start to feel sick, dizzy, or weak while using this product, shut it off and get to fresh air RIGHT AWAY. See a doctor. You may have carbon monoxide poisoning.



Risk of Fire Clearances

- ⚠ WARNING** Exhaust heat/gases could ignite combustibles, structures or damage fuel tank causing a fire, resulting in death or serious injury.
- Keep at least 5 ft. (1.5 m) clearance on all sides of pressure washer including overhead.

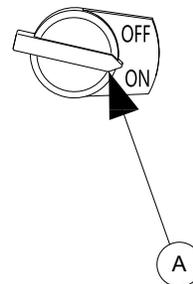
To Start Your Pressure Washer

To start your engine-powered pressure washer for the first time, follow these instructions step-by-step. This starting information also applies whenever you start the engine after you have let the pressure washer sit idle for at least a day.

1. Place pressure washer outside near a water source capable of supplying water at a flow rate greater than 3.7 gallons per minute and no less than 20 PSI at pressure washer end of garden hose.
2. Check that high pressure hose is tightly connected to spray gun and pump. See "Assembly" for illustrations.
3. Make sure unit is in a level position.
4. Connect garden hose to water inlet on pressure washer pump.

CAUTION! Do Not run the pump without the water supply connected and turned on.

- Damage to pressure washer resulting from failure to follow this instruction will void warranty.
5. Turn ON the water, point the spray gun at a safe direction, release the red trigger lock, then squeeze trigger to purge the pump system of air and impurities. See "Assembly" .
 6. Attach the spray wand into spray gun. Tighten by hand. See "Assembly" .
 7. Choose the quick-connect nozzle you want to use, pull back on collar of spray wand , insert the nozzle and release collar. Tug on the nozzle to make sure it is securely in place. See "Assembly" . More information please see "How to Use Quick-Connect Nozzles" section.
 8. Engage the red trigger lock on the spray gun.
 9. Push engine rocker switch (A) to ON (ON) position.



NOTICE: Before starting the pressure washer, be sure you are wearing safety goggles as described below.

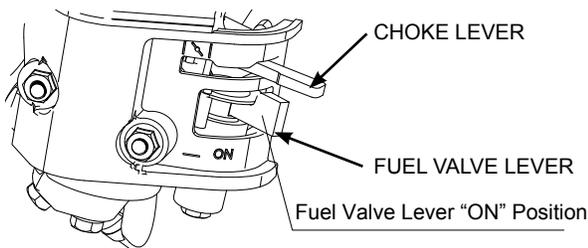
WARNING! Risk of eye injury.



Spray could splash back or propel objects resulting in serious injury.

- Always wear indirect vented (chemical splash) safety goggles marked to comply with ANSI Z87.1 when using or in vicinity of this equipment.
- NEVER substitute safety glasses or dry-condition goggles for indirect vented safety goggles.

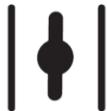
10. Move the fuel valve lever to "On" position.



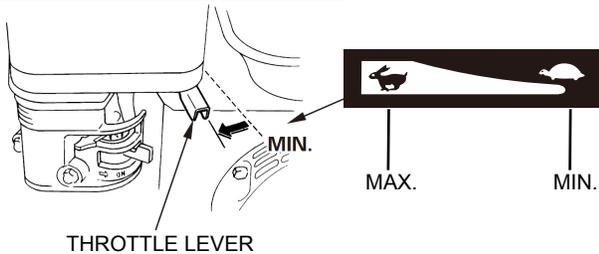
11. Move the choke lever to "Choke" position.



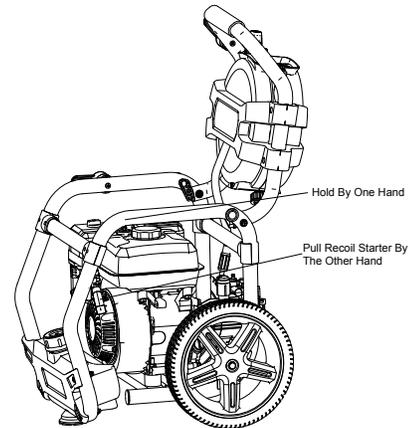
NOTE: For a warm engine, be sure the choke lever is in the "RUN" position.



12. Move the throttle lever away from the MIN. position (symbol tortoise), move toward the MAX. position (symbol rabbit).



13. When starting engine, position yourself as recommended below and grasp starter grip handle and pull slowly until you feel some resistance. Then pull rapidly to start engine.



14. Return the starter grip handle slowly. Do Not let rope "snap back" against starter.

WARNING! Starter cord kickback (rapid retraction) will



pull hand and arm toward engine faster than you can let go which could cause broken bones, fractures, bruises, or sprains resulting in serious injury.

- NEVER pull starter cord without first relieving spray gun pressure.
- When starting engine, pull cord slowly until resistance is felt and then pull rapidly to avoid kickback.
- After each starting attempt, where engine fails to run, always point spray gun at safety direction, release the red trigger lock, and squeeze spray gun trigger to release high pressure.
- Firmly grasp spray gun with both hands when using high pressure spray to avoid injury when spray gun kicks back.

15. When engine starts, slowly move choke lever to the "Run" position. If engine falters, move choke lever to the "Choke" position, then to the "Run" position.

16. If engine fails to start after six pulls, move choke lever to the "Run" position. If engine fires, but does not continue to run, move choke lever to the "Choke" position, then to the "Run" position.

17. Point spray gun at a safety direction, release the red trigger lock, and squeeze the trigger to start your washing work.

NOTE: If the recoil starter is hard to pull, it may be necessary to squeeze the gun trigger to relieve internal pump pressure.



WARNING! The high pressure stream of water that this pressure washer produces could cut through skin and its underlying tissues, resulting in serious injury and possible amputation.

Spray gun traps high water pressure, even when engine is stopped and water is disconnected, which could result in serious injury.

- DO NOT allow CHILDREN to operate pressure washer.
- Keep high pressure hose connected to pump and spray

- gun while system is pressurized.
- NEVER aim spray gun at people, animals, or plants.
- DO NOT secure spray gun in open position.
- DO NOT leave spray gun unattended while machine is running.
- NEVER use a spray gun which does not have a trigger lock or trigger guard in place and in working order.
- Always be certain spray gun, nozzles and accessories are correctly attached.

⚠ WARNING! Exhaust heat/gases could ignite combustibles, structures or damage fuel tank causing a fire, resulting in death or serious injury.



Contact with muffler area could cause burns resulting in serious injury.

- DO NOT touch hot parts and AVOID hot exhaust gases.
- Allow equipment to cool before touching.
- Keep at least 5 ft. (1.5 m) of clearance on all sides of pressure washer including overhead.
- It is a violation of California Public Resource Code, Section 4442, to use or operate the engine on any forest covered, brush-covered, or grass-covered land unless the exhaust system is equipped with a spark arrester, as defined in Section 4442, maintained in effective working order. Other states or federal jurisdictions may have similar laws.

Contact the original equipment manufacturer, retailer, or dealer to obtain a spark arrester designed for the exhaust system installed on this engine.

- Replacement parts must be the same and installed in the same position as the original parts.

How to Stop Your Pressure Washer

1. Release spray gun trigger and let engine idle for two minutes.
2. Push engine rocker switch to OFF (0) position.
3. ALWAYS point spray gun at a safety direction, release the red trigger lock, and squeeze the trigger to release retained high water pressure.

⚠ WARNING! The high pressure stream of water that this pressure washer produces could cut through skin and its underlying tissues, resulting in serious injury and possible amputation.



Spray gun traps high water pressure, even when engine is stopped and water is disconnected, which could result in serious injury.

- Keep high pressure hose connected to pump and spray gun while system is pressurized.

- Every time when you stop engine, ALWAYS point spray gun at safety direction, release the red trigger lock, and squeeze spray gun trigger to release high pressure.

NOTE: A small amount of water will squirt out when you release the pressure.

How To Use Quick-Connect Nozzles

The quick-connect on the spray wand allows you to switch between four different quick-connect nozzles. Nozzles can be changed while pressure washer is running once spray gun trigger is locked. The nozzles vary the spray pattern as shown.

Follow these instructions to change nozzles:

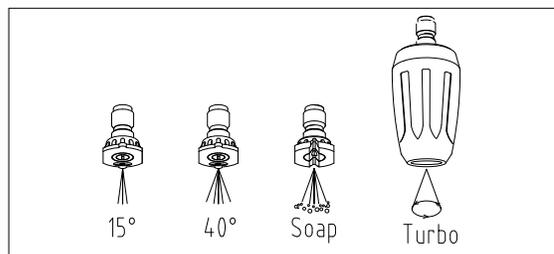
1. Pull back collar on spray wand and pull current nozzle off. Store nozzles in holder provided on the top of hose reel.

⚠ WARNING The high pressure stream of water that this equipment produces could cut through skin and its underlying tissues, resulting in serious injury and possible amputation.



- NEVER change nozzles without the trigger locked on the spray gun.
- DO NOT twist nozzles while spraying.

2. Select desired nozzle.



The spray nozzles are in different colors, below are some suggestion for different purposes.

- For general rinsing, ideal for most all purpose cleaning such as home siding, brick patios, wood decks, driveways and sidewalks, garage floors, etc., select yellow 15° nozzle.
- For delicate rinse, for gentle cleaning of cars trucks, boats, RV's, patio furniture, lawn equipment, etc., select white 40° nozzle.
- To apply detergent, applies project specific cleaners to help break down stubborn dirt and grime on a variety of surfaces, select black detergent nozzle.
- For rotating flush, quick high flow clean up and long reach of cleaning of second story siding and window, select turbo nozzle.

3. Pull back on collar, insert new nozzle and release collar. Tug on nozzle to make sure it is securely in place.

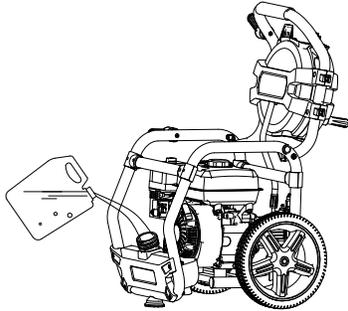
Usage Tips

- For most effective cleaning, keep nozzle from 8 to 24 inches (20 to 61 cm) away from cleaning surface.
- If you get nozzle too close, especially using a high pressure nozzle, you may damage surface being cleaned.
- Do Not get closer than 6 inches (15 cm) when cleaning tires.

Cleaning and Applying Detergent

To apply detergent, follow these steps:

1. Review "How To Use Quick-Connect Nozzles".
2. Prepare detergent solution as required by the job.
3. The detergent tank is fastened on the frame of the pressure washer. Fill the detergent tank with detergent.



⚠ WARNING! Chemical Burn Hazard.



Chemicals could cause burns resulting in death or serious injury.

- DO NOT use caustic liquid with pressure washer.
- Use ONLY pressure washer safe detergents/soaps.

Follow all manufacturer instructions.

4. Make sure black detergent nozzle is installed.

NOTICE: Detergent cannot be applied with the high pressure nozzles (White, Yellow or Turbo).

5. Make sure the garden hose is connected to the water inlet. Check that the high pressure hose is connected to the spray gun and the pump. Turn on water.

6. Start the engine following instructions "How to Start Your Pressure Washer".

NOTICE: You must attach all hoses before you start the engine

Starting the engine without all the hoses connected and without the water turned on could damage the pump.

- Damage to pressure washer resulting from failure to follow this instruction will void warranty.

7. Apply detergent to a dry surface, starting at lower portion of area to be washed and work upward, using long, even, overlapping strokes.

8. Allow detergent to "soak in" for 3-5 minutes before

washing and rinsing. Reapply as needed to prevent surface from drying. DO NOT allow detergent to dry on (prevents streaking).

Pressure Washer Rinsing

⚠ WARNING! Be extremely careful if you use the



pressure washer from a ladder, scaffolding or any other relatively unstable location. Pressure in a running washer builds as you climb. When you press the trigger, the recoil from the initial spray could cause you to fall. The high pressure spray could also cause you to fall if you are too close to the cleaning surface.

For Rinsing:

1. Remove the black detergent nozzle, and select the nozzles with high pressure following instructions "How To Use Quick-Connect Nozzles", squeeze the spray gun trigger and wait for the detergent to clear.

⚠ WARNING Kickback from spray gun could cause you



to fall resulting in death or serious injury.

- Operate pressure washer from a stable surface.
- Be extremely careful if you must use the pressure washer from a ladder, scaffolding, or any other similar location.
- Firmly grasp spray gun with both hands when using high pressure spray to avoid injury when spray gun kicks back.

2. Keep the spray gun a safe distance from the area you plan to spray.

3. Apply a high pressure spray to a small area, then check the surface for damage. If no damage is found, it is okay to continue cleaning.

4. Start at the top of the area to be rinsed, working down with same overlapping strokes as you used for washing and applying detergent.

SPECIFICATIONS

Pressure Washer Specifications

Max. Outlet Pressure3200 PSI* @ 2.5 GPM
Max. Flow Rate.....2400 PSI @ 2.7 GPM*
Chemical Mix.....Use as directed
Water Supply Temperature.....Not to Exceed 100°F

Engine Specifications

Bore2.8 in. (70 mm)
Stroke2.1 in. (54 mm)
Displacement12.7 cu. in. (208 cc)
Spark Plug TypeTORCH F6TC
Set Gap To0.028 - 0.031 inch (0.7 - 0.8 mm)
Armature Air Gap0.012 - 0.016 in.(0.3 - 0.4 mm)
Valve clearance with valve springs installed and piston past top dead center (check when engine is cold).
Intake0.0051 - 0.0066 in.(0.13 - 0.17 mm)
Exhaust0.0051 - 0.0066 in.(0.13 - 0.17 mm)
Fuel Capacity3.8 Quarts
Oil Capacity20 Ounces (0.6 liter)

NOTICE For practical operation, the engine load should not exceed 85% of rated power. Engine power will decrease 3.5% for each 1,000 ft. (300 m) above sea level and 1% for each 10° F (5.6 ° C) above 77°F (25 ° C). It should operate satisfactorily at an angle up to 15°.

* This pressure washer is rated in accordance to the Pressure Washer Manufacturers Association (PWMA) standard PW101-2010 (Testing and Rating Performance of Pressure Washers).

MAINTENANCE

OWNER'S RESPONSIBILITIES

Follow the hourly or calendar intervals, whichever occurs first. More frequent service is required when operating in adverse conditions noted below.

First 5 Hours
• Change engine oil
Every 8 Hours or Daily
• Check/clean water inlet screen 1
• Check high pressure hose
• Check detergent siphoning hose
• Check spray gun and assembly for leaks
• Clean debris
• Check engine oil level
Every 50 Hours or Yearly
• Clean engine air cleaner 2
• Change engine oil 2
• Inspect muffler and spark arrester
Every 200 Hours or Yearly
• Replace engine air cleaner 2
Yearly
• Replace spark plug
• Clean cooling system 2

1. Clean if clogged. Replace if perforated or torn.
2. Service more often under dirty or dusty conditions.

General Recommendations

Regular maintenance will improve the performance and extend the life of the pressure washer. See any Yardforce or other qualified service dealer for service.

The pressure washer warranty does not cover items that have been subjected to operator abuse or negligence. To receive full value from the warranty, the operator must maintain pressure washer as instructed in this manual including proper storage as detailed in "Storage".

Some adjustments will need to be made periodically to properly maintain your pressure washer.

All service and adjustments should be made at least once each season. A new spark plug and clean air filter assure proper fuel-air mixture and help your engine run better and last longer. Follow the requirements in the "Maintenance Schedule" chart above.

NOTE: Once a year you should clean or replace the spark plug and replace the air filter. A new spark plug and clean air filter assure proper fuel-air mixture and help your engine run better and last longer.

Pump Oil

DO NOT attempt any oil maintenance on this pump.

The pump is pre-lubricated and sealed from the factory, requiring no additional maintenance for the life of the pump.

Emission Control

Maintenance, replacement, or repair of the emissions control devices and systems may be performed by any non-road engine repair establishment or individual.

However, to obtain "no charge" emissions control service, the work must be performed by a factory unauthorized dealer. See the "Emissions Warranty".

Before Each Use

1. Check engine oil level.
2. Clean debris.
3. Check water inlet screen for damage.
4. Check high pressure hose for leaks.
5. Check chemical filters for damage.
6. Check spray gun, spray wand and nozzle assembly for leaks.
7. Purge pump of air and contaminants.

PRESSURE WASHER MAINTENANCE

Clean Debris

Daily or before use, clean accumulated debris from pressure washer. Keep linkage, spring and controls clean. Keep area around and behind muffler free from any combustible debris. Inspect cooling air slots and openings on the pressure washer. These openings must be kept clean and unobstructed.

Pressure washer parts should be kept clean to reduce the risk of overheating and ignition of accumulated debris.

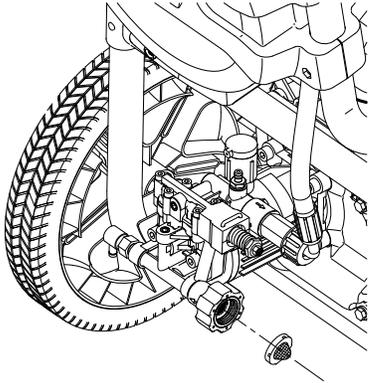
- Use a damp cloth to wipe exterior surfaces clean.

NOTICE Improper treatment of pressure washer could damage it and shorten its life.

- DO NOT insert any objects through cooling slots.
- Use a soft bristle brush to loosen caked on dirt, oil, etc.
- Use a vacuum cleaner to pick up loose dirt and debris.

Check and Clean Inlet Screen

Examine garden hose inlet screen. Clean if it is clogged or replace if it is torn. Please call help line 1-866-902-9690 for new purchase.



Check High Pressure Hose

High pressure hoses can develop leaks from wear, kinking, or abuse. Inspect hose before each use. Check for cuts, leaks, abrasions, bulging of cover, or damage or movement of couplings. If any of these conditions exist, replace hose immediately. Or call at 1-866-902-9690 for help or new purchase.

⚠ WARNING The high pressure stream of water that this pressure washer produces could cut through skin and its underlying tissues, resulting in serious injury and possible amputation.



- Never repair a high pressure hose. Replace it.
- Replace with hose **MUST** equal or exceed the maximum pressure rating of your pressure washer.

Check Detergent Siphoning Tube

Examine the detergent tube (equipped at the bottom of detergent tank) and clean if clogged. One end of the tube should fit tightly on the tank, the other end fit tightly on the pump. Examine the tube for leaks or tears.

Replace detergent tank or tube if either is damaged. Or call at **1-866-902-9690** for help or new purchase.

Check Spray Gun, Spray Wand and Nozzles

Examine hose connection to spray gun connected with spray wand and make sure it is secure. Test trigger by pressing it and make sure it springs back into place when you release it. Engage trigger lock in UP position and test trigger. You should not be able to squeeze the trigger. Replace spray gun immediately if it fails any of these tests.

Purge Pump of Air and Contaminants

To remove air from the pump, follow these steps:

- Set up the pressure washer as described in the "Assembly" section and connect the water supply.
- Squeeze the trigger on the gun and hold until a steady stream of water appears.

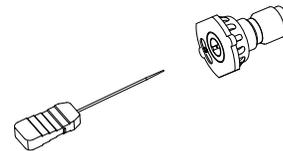
To remove contaminants from the pump, follow these steps:

- Set up the pressure washer as described in the "Assembly" section and connect water supply.
- Remove the nozzle from the spray wand .
- Start the engine according to instructions in "How To Use Your Pressure Washer" section.
- Squeeze the trigger on the gun and hold.
- When the water supply is steady and constant, engage the trigger lock and install the nozzle.

Nozzle Maintenance

A pulsing sensation felt while squeezing the spray gun trigger may be caused by excessive pump pressure. The principal cause of excessive pump pressure is a nozzle clogged or restricted with foreign materials, such as dirt, etc. To correct the problem, immediately clean the nozzle by needle provided with your pressure washer and follow these instructions:

1. Shut off (O) the engine and turn off the water supply.
2. ALWAYS point spray gun at a safety direction, release trigger lock and squeeze spray gun trigger to release retained high water pressure.
3. Remove the nozzle from the end of the spray wand.
4. Use the needle to free any foreign material clogging or restricting the nozzle.



5. Using a garden hose, remove additional debris by back flushing water through the nozzle. Back flush between 30 to 60 seconds.
6. Reinstall the nozzle to the wand with spray gun.
7. Make sure garden hose is connected to water inlet. Check that high pressure hose is connected to spray gun and pump. Turn on water.
8. Start engine following instructions "How to Start Your Pressure Washer".
9. Test pressure washer by operating with each quick-connect nozzle.

O-Ring Maintenance

Through the normal operation of your pressure washer, o-rings keep the connections of the hoses and spray gun tight and leak-free. They may become worn or damaged with use.

You can purchase the replacement o-rings at the pressure washer help line **1-866-902-9690**.

⚠ WARNING The high pressure stream of water that this pressure washer produces could cut through skin and its underlying tissues, resulting in serious injury and possible amputation.

- NEVER repair leaking connections with sealant of any kind. replace o-ring or seal.

ENGINE MAINTENANCE

⚠ WARNING Unintentional sparking could cause fire or electric shock resulting in death or serious injury.

WHEN ADJUSTING OR MAKING REPAIRS TO YOUR PRESSURE WASHER

- Disconnect the spark plug wire from the spark plug and place the wire where it cannot contact spark plug.

WHEN TESTING FOR ENGINE SPARK

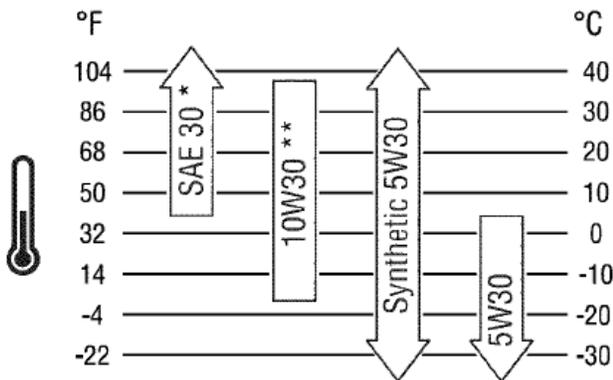
- Use approved spark plug tester.
- DONOT check for spark with spark plug removed.

Oil

Oil Recommendations

We recommend the use of CRAFTSMAN Warranty Certified oils for best performance. Other high-quality detergent oils are acceptable if classified for service SF, SG, SH, SJ or higher. DO NOT use special additives.

Outdoor temperatures determine the proper oil viscosity for the engine. Use the chart to select the best viscosity for the outdoor temperature range expected.



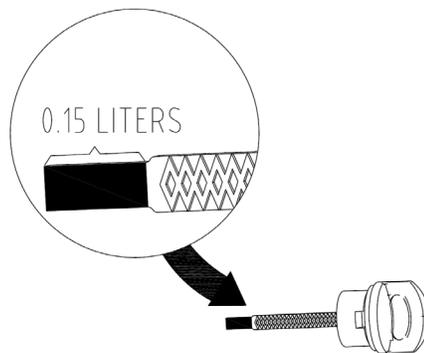
* Below 40°F (4°C) the use of SAE 30 will result in hard starting.

** Above 80°F (27°C) the use of 10W30 may cause increased oil consumption. Check oil level more frequently.

Checking Oil Level.

1. Make sure pressure washer is on a level surface.
2. Remove oil dipstick and wipe dipstick with clean cloth. Replace and tighten dipstick. Remove and check oil level.

3. Verify oil is at FULL mark (top hole) on dipstick. Replace and tighten dipstick.



Adding Oil.

1. Make sure pressure washer is on a level surface.
2. Check oil level as described in Checking Off Level.
3. If needed, slowly pour oil into oil fill opening to the FULL mark (top hole) on dipstick. DO NOT overfill.

NOTICE Oil level should be checked prior to each use or at least every 5 hours of operation. Keep oil level maintained.

Overfilling with oil could cause the engine to not start, or hard starting.

- DO NOT overfill.
- If over the FULL mark on dipstick, drain oil to reduce oil level to FULL mark on dipstick.

Changing Oil

If you are using your pressure washer under extremely dirty or dusty conditions, or in extremely hot weather, change oil more often.

⚠ CAUTION Avoid prolonged or repeated skin contact with used motor oil.

- Used motor oil has been shown to cause skin cancer in certain laboratory animals.
- Thoroughly wash exposed areas with soap and water.



KEEP OUT OF REACH OF CHILDREN. DON'T POLLUTE. CONSERVE RESOURCES. RETURN USED OIL TO COLLECTION CENTERS.

Change oil while engine is still warm from running, as follows:

1. Drain fuel tank by running pressure washer until fuel tank is empty.
2. Disconnect spark plug wire and keep it away from the spark plug.
3. Clean area around oil fill, remove oil fill cap/dipstick. Wipe dipstick clean.
4. Tip your pressure washer to drain oil from the oil fill into a suitable container making sure you tip your unit away

from the spark plug. When crankcase is empty, return the pressure washer to upright position.

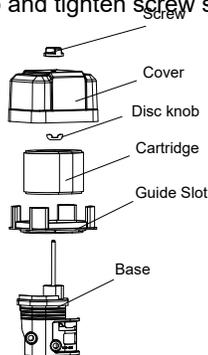
5. Slowly pour recommended oil (about 20 oz. (0.6 l)) into oil fill opening. Pause to permit oil to settle. Fill to Full mark (top hole) on dipstick.
6. Wipe dipstick clean each time oil level is checked. DO NOT overfill.
7. Replace and tighten dipstick.
8. Wipe up any remaining oil.
9. Reconnect spark plug wire to spark plug.

Service Air Cleaner

Your engine will not run properly and may be damaged if you run it with a dirty air cleaner. Service more often if operating under dirty or dusty conditions. Replacements are available at your local Yardfoce service center. Or you can purchase new by calling **1-866-902-9690**.

To service the air cleaner, follow these steps:

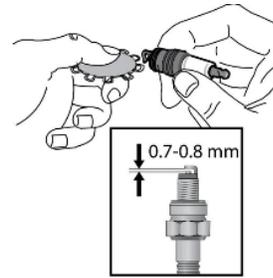
1. Loosen screw and tilt cover down.
2. Loosen the disc knob and carefully remove cartridge assembly.
3. To clean cartridge, gently tap pleated paper side on a flat surface.
4. Reinstall clean or new cartridge assembly inside cover.
5. Insert guide slot and cartridge into bottom of base.
6. Tilt cover up and tighten screw securely to cover.



Service Spark Plug

Changing the spark plug will help your engine to start easier and run better. Disconnect spark plug wire from spark plug and keep wire away from spark plug while servicing engine.

1. Clean area around spark plug.
2. Remove and inspect spark plug.
3. Replace spark plug if electrodes are pitted, burned or porcelain is cracked.
4. For replacement use the standard resistor spark plug, like TORCH F6TC.
5. Check electrode gap with wire feeler gauge and set gap at 0.70-0.80 mm, if necessary.



6. Install spark plug, tighten securely.

NOTE: You can purchase a new spark plug by calling **1-866-902-9690**.

Inspect Muffler and Spark Arrester

Inspect the muffler for cracks, corrosion, or other damage. Remove the spark arrester if equipped, and inspect for damage or carbon blockage. If replacement parts are required, make sure to use only original equipment replacement parts.

NOTICE: You can purchase a spark arrester by calling **1-866-902-9690**.

WARNING! Exhaust heat/gases could ignite combustibles, structures or damage fuel tank causing a fire, resulting in death or serious injury.

Contact with muffler area could cause burns resulting in serious injury.

- DO NOT touch hot parts and AVOID hot exhaust gases.
- Allow equipment to cool before touching.
- Keep at least 5 ft. (1.5 m) of clearance on all sides of pressure washer including overhead.
- It is a violation of California Public Resource Code, Section 4442, to use or operate the engine on any forest covered, brush-covered, or grass-covered land unless the exhaust system is equipped with a spark arrester, as defined in Section 4442, maintained in effective working order. Other states or federal jurisdictions may have similar laws.

Contact the original equipment manufacturer, retailer, or dealer to obtain a spark arrester designed for the exhaust system installed on this engine.

- Replacement parts must be the same and installed in the same position as the original parts.

Air Cooling System

Over time debris may accumulate in cylinder cooling fins and cannot be observed without partial engine disassembly. For this reason, we recommend you have a qualified Yardfoce service dealer clean the cooling system per recommended intervals (see Maintenance Schedule). Equally important is to keep top of engine free from debris. See "Clean Debris".

Carburetor Adjustment

The carburetor on this engine is low emission. It is equipped with a non-adjustable idle mixture valve. Top speed has been set at the factory. If adjustment is required, see an authorized service dealer.

⚠ CAUTION! Excessively high operating speeds could result in minor injury.

Excessively low speeds impose a heavy load.

- DO NOT tamper with governor spring, links or other parts to increase engine speed. Pressure washer supplies correct rated pressure and flow when running at governed speed.
- DO NOT modify pressure washer in any way.

After Each Use

Water should not remain in pressure washer for long periods of time. Sediments or minerals can deposit on pump parts and "freeze" pump action. Follow these procedures after every use:

1. Shut OFF engine, turn off water supply, point gun at a safety direction, release trigger lock and squeeze trigger of spray gun to relieve trapped pressure and let engine cool.

⚠ WARNING! The high pressure stream of water that pressure washer produces could cut through skin and its underlying tissues, resulting in serious injury and possible amputation.

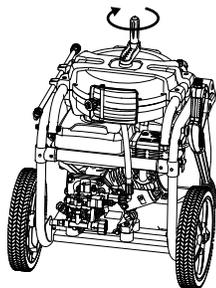


Spray gun traps high water pressure, even when engine is stopped and water is disconnected, which could result in serious injury.

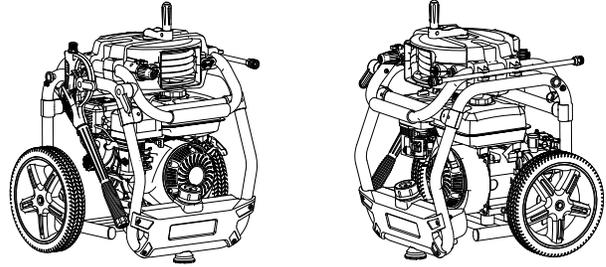
Keep high pressure hose connected to pump and spray gun while system is pressurized.

ALWAYS point spray gun in safe direction, release trigger lock and squeeze trigger of spray gun to release high pressure, every time you stop engine.

2. Disconnect hose from spray gun. Drain water from hose, gun, and wand. Use a rag to wipe off the hose. Replace the hose please call at **1-866-902-9690**.
3. Empty pump of all pumped liquids by pulling recoil handle about 6 times. This should remove most liquid in pump.
4. Fold the handle, see "Handle Position Adjustment" .
5. Coil high pressure hose by rotary hand crank **CLOCKWISE** on the hose reel when handle folded.



6. Store the spray gun, wand like below.



7. Store the pressure washer in a clean, dry area.

8. If storing for more than 30 days see "Long Term Storage" on next page.

⚠ WARNING! Fuel and its vapors are extremely flammable and explosive which could cause burns, fire or explosion resulting in death or serious injury.



WHEN STORING FUEL OR EQUIPMENT WITH FUEL IN TANK

- Store away from furnaces, stoves, water heaters, clothes dryers, or other appliances that have pilot light or other ignition source because they could ignite fuel vapors.

STORAGE

WINTER STORAGE

CAUTION You must protect your pressure washer from freezing temperatures.

- Failure to do so will permanently damage your pump and render your unit inoperable.
- Freeze damage is not covered under warranty.

To protect the pressure washer from freezing temperatures:

1. Follow steps 1-6 in the previous section "After Each USE".
2. Use pump saver, to treat pump. This prevents freeze damage and lubricates pistons and seals.
3. If pump saver is not available, connect a 3-foot section of garden hose to the water inlet adapter. Pour RV-antifreeze (antifreeze without alcohol) into the hose. Pull the recoil handle twice. Disconnect 3-foot hose.
4. Store the pressure washer in a clean, dry area.

LONG TERM STORAGE

If you do not plan to use the pressure washer for more than 30 days, you must prepare the engine and pump for long term storage.

It is important to prevent gum deposits from forming in essential fuel system parts such as the carburetor, fuel filter, fuel hose or tank during storage. Also, experience indicates that alcohol-blended fuels (called gasohol, ethanol or methanol) can attract moisture, which leads to separation and formation of acids during storage. Acidic gas can damage the fuel system of an engine while in storage.

Protect Fuel System

Fuel Additive:

Fuel can become stale when stored over 30 days. Stale fuel causes acid and gum deposits to form in the fuel system or on essential carburetor parts. To keep fuel fresh, we recommend use the fuel additive supplied by a qualified Yardforce service dealer.

There is no need to drain gasoline from the engine if a fuel stabilizer is added according to instructions. Run the engine for 2 minutes to circulate the stabilizer throughout the fuel system before storage.

If gasoline in the engine has not been treated with a fuel stabilizer, it must be drained into an approved container. Run the engine until it stops from lack of fuel.

The use of a fuel stabilizer in the storage container is recommended to maintain freshness.

Change Oil

While engine is still warm, drain oil from crankcase. Refill with recommended grade. See "Changing Oil" section.

Oil Cylinder Bore

1. Remove spark plug. Squirt about 1 tablespoon of clean engine oil into the cylinder. Cover spark plug hole with rag. Pull recoil handle slowly to distribute oil. Avoid spray from spark plug hole.
2. Install spark plug. Do Not connect spark plug wire.

Protect Pump

To protect the pump from damage caused by mineral deposits or freezing, use Pump Saver, to treat pump. This prevents freeze damage and lubricates pistons and seals.

NOTE Pump Saver is available as an optional accessory. It is not included with the pressure washer.

Contact your local Yardforce service center to purchase Pump Saver.

CAUTION You must protect your unit from freezing temperatures.

- Failure to do so will permanently damage your pump and render your unit inoperable.
- Freeze damage is not covered under warranty.

To use the Pump Saver:

CAUTION Read and follow all cautions and warnings on the pump saver can label. Always wear eye protection when using pump saver.

1. Remove the hose connector from the pump outlet.
2. Attach hose on pump saver can to pump inlet.
3. Push in can top to dispense pump saver.
4. When pump saver fluid begins to exit pump outlet, the pump is protected.
5. Remove pump saver from pump inlet.

Other Storage Tips

1. DO NOT store fuel from one season to another unless it has been treated as described in Protect Fuel System.
2. Replace fuel container if it starts to rust. Rust and/ or dirt in fuel can cause problems if it's used with this pressure washer.
3. Cover unit with a suitable protective cover that does not retain moisture.

 **WARNING** Storage covers could cause a fire resulting in death or serious injury.

- DO NOT place a storage cover over a hot pressure washer.
- Let equipment cool for a sufficient time before placing the cover on the equipment.

4. Store pressure washer in a clean and dry area.

TROUBLESHOOTING

Problem	Cause	Correction
Pump has following problems. No pressure, low pressure	1.Nozzle tip not attached.	1. Attached required nozzle tip
	2. Water inlet is blocked.	2. Clear inlet.
	3. Inadequate water supply.	3. Provide adequate water flow.
	4. Inlet hose is kinked or leaking.	4. Straighten inlet hose, patch leak.
	5. Clogged inlet hose strainer	5. Check and clean inlet hose strainer.
	6. Water supply is over 100°F.	6. Provide cooler water supply.
	7. High pressure hose is blocked or leaks.	7. Clear blocks in outlet hose.
	8. The loaded RPM is not set to HIGH	8. Set RPM (Throttle lever) to HIGH position.
	9. Nozzle is obstructed.	9. Clean nozzle.
	10. Damaged pump.	10. Contact Yardforce service facility.
No intake of detergent.	1. Detergent siphoning tube is not connected.	1. Connect detergent siphon tube Properly.
	2. Chemical filter is clogged.	2. Clean or replace filter/detergent siphoning tube.
	3. Dirty in-line filter.	3. See "Check In-Line Filter" on page 10.
	4. Wrong nozzle.	4. Use black nozzle when applying detergent. Refer to the instruction manual.
	5. Damaged detergent siphoning tube.	5. Replace detergent siphoning tube.
Engine sounds abnormal or overloaded	1. Engine speed is too slow.	1. Move throttle control to FAST position.
	2. Pressure is too high	2. Contact Yardforce service facility.
Engine doesn't start; or starts and runs rough.	1. The engine power switch is OFF(o) position.	1. Ensure the switch is in ON (I) position
	2. No fuel.	2. Fill the fuel tank with regular gasoline.
	3. Dirty air cleaner.	3. Clean or replace air cleaner.
	4. Stale gasoline.	4. Drain gas tank; fill with fresh fuel.
	5. Spark plug wire not connected to spark plug.	5. Connect wire to spark plug.
	6. Bad spark plug.	6. Replace spark plug.
	7. Low oil level.	7. Fill crankcase to proper level.
	8. Choke lever not in right position.	8. a) When cold starting the engine, set the choke to "Choke" position. b.) When warm starting, set the choke to "Run" position.
	9. Clogged carburetor.	9. Clean the carburetor.
	10. Excess water pressure in pump or hose.	10. Release water pressure by squeezing trigger on gun.
	11.Engine has lost compression.	11. Contact Yardforce service facility.
Engine stops down during operation.	Out of gasoline.	Fill fuel tank.
Engine lacks power.	Dirty air filter.	Replace air filter.
Starter rope doesn't recoil	Recoil mechanism is broken.	Contact Yardforce service facility.

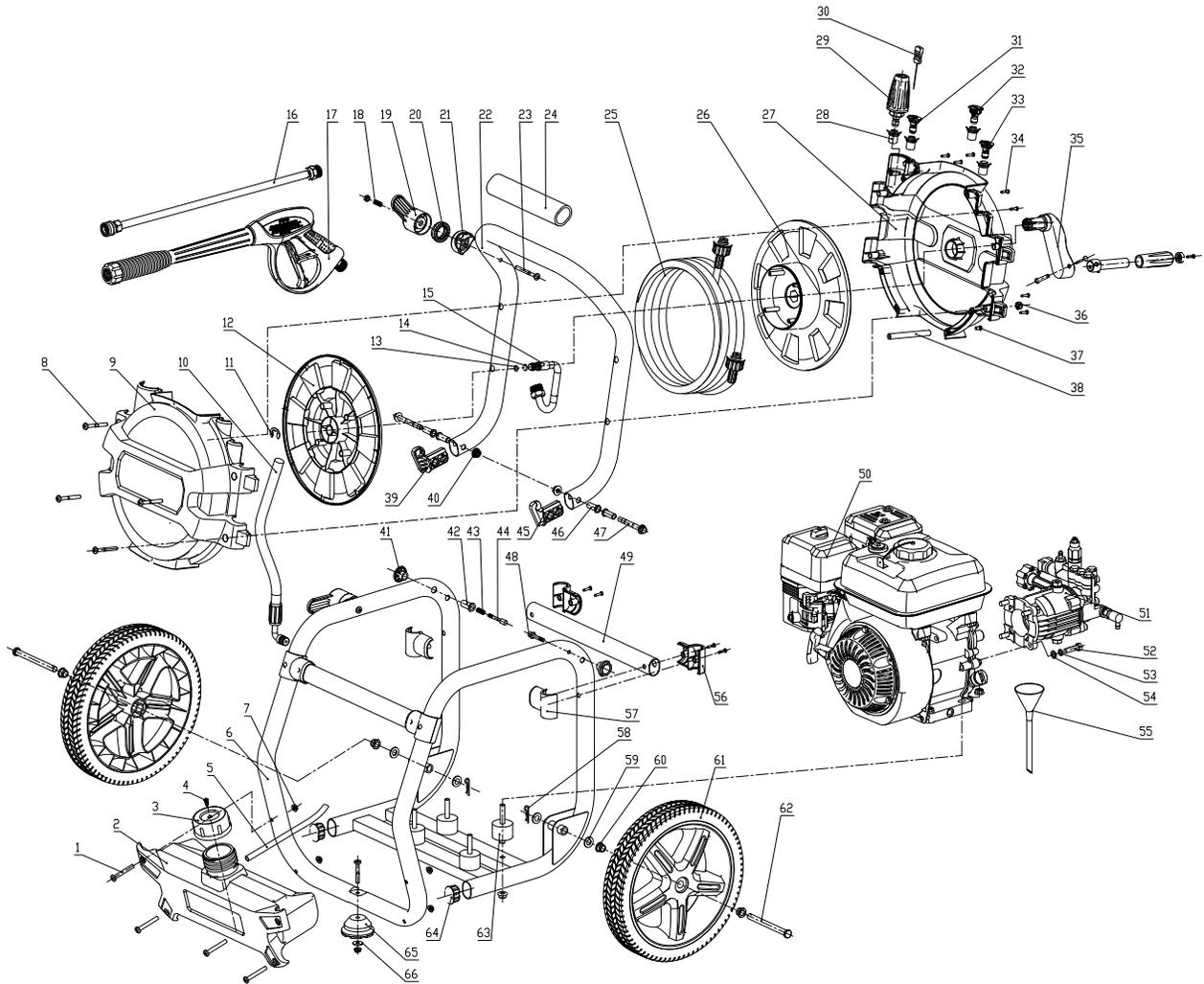
NOTES

PARTS

Yard Force 3200PSI Gas Pressure Washer Y0GWC3200R0

Main Unit — Exploded View

To purchase replacement parts, call 1-866-902-9690.



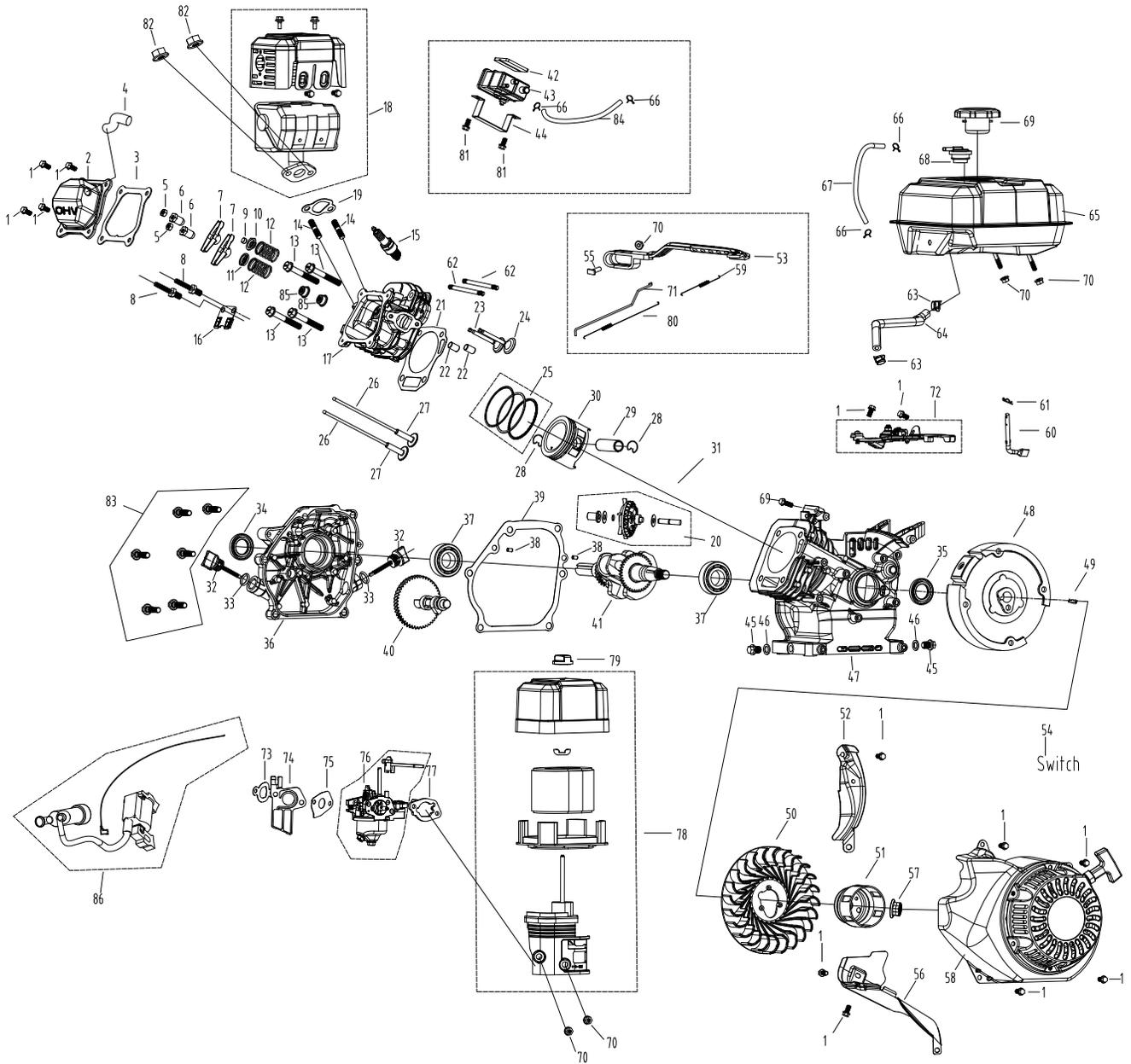
Yard Force 3200PSI Gas Pressure Washer Y0GWC3200R0

Main Unit — Parts List

Item	Part #	Description	Item	Part #	Description
1	75496001	Cross pan-head screws M6 x 40	40	75496057	Wheel shaft sleeve
2	75496002	Detergent bottle	41	75496058	Wheel
3	75496003	Detergent bottle cap	42	75496059	Wheel shaft
4	75496004	Rubber valve core	43	75496060	Column type anti-shock pad
5	75496005	Pick-up tube	44	75496061	Pipe closer
6	75496006	Main frame	45	75496062	Foot pad
7	75496007	Non-metallic insert hex flange lock nut M6	46	75496063	Washer A level 6
8	75496008	Cross pan-head screws M6 x 50	47	75496040	Latch set
9	75496009	Front coil wheel cover	48	75496041	Latch spring
10	75496010	Short high-pressure rubber pipe	49	75496042	Latch
11	75496011	Open ring 9	50	75496043	Limit pipe plug
12	75496012	Front coil wheel	51	75496044	Handle shaft sleeve
13	75496013	O-ring 9X1.8	52	75496045	Hex flange bolt M8 x 65
14	75496014	O-ring 10X1.9	53	75496046	Limit shaft
15	75496015	Rotary joint component	54	75496047	Cross pipe
16	75496016	Wand	55	75496048	Engine
17	75496017	Gun	56	75496049	Pump
18	75496018	Hook spring	57	75496050	Pump mounting bolts
19	75496019	Hook	58	75496051	Standard spring washer 8
20	75496020	Hook tooth ring	59	75496052	Flat washer A grade 8
21	75496021	Hook base	60	75496053	Pipe clamp back cover
22	75496022	Handle bracket	61	75496054	Pipe clamp front cover
23	75496023	Cross countersunk head screw M6 x 60	62	75496055	Elastic split pin
24	75496024	Handle sheath	63	75496056	Flat washer A grade 10
25	75496025	Long high-pressure rubber pipe			
26	75496026	Back coil wheel			
27	75496027	Back coil wheel cap			
28	75496028	PVC cover of Nozzle			
29	75496029	Turbo			
30	75496030	Nozzle needle			
31	75496031	Nozzle/white / 40 degrees			
32	75496032	Nozzle/black/Soap			
33	75496033	Nozzle/yellow / 15 degrees			
34	75496034	Cross trough pan-head self-tapping screw ST3.5 x 16			
35	75496035	Rocker handle component			
36	75496036	I-type non-metallic insert hexagon Lock nut M6			
37	75496037	Bolt pipe plug			
38	75496038	Non-metallic insert hex flange lock nut M8			
39	75496039	Pin connector			

ENGINE, 7 HP, JFNT210 for Pressure Washer Y0GWC3200R0 - Exploded View

To purchase replacement parts, call 1-866-902-9690.



ENGINE, 7 HP, JFNT210 for Pressure Washer Y0GWC3200R0 - Parts List

Item	Part #	Description	Item	Part #	Description
1	7549604801	Hex flange bolts	44	7549604844	Carbon tank plate
2	7549604802	Respirator	45	7549604845	Drain plug
3	7549604803	Respirator gasket	46	7549604846	Drain plug aluminum spacer
4	7549604804	Respirator straight pipe	47	7549604847	Body/no hole
5	7549604805	Lock nut	48	7549604848	Flywheel assembly
6	7549604806	Adjusting nut	49	7549604849	Woodruff key
7	7549604807	Rocker arm	50	7549604850	Cool fan
8	7549604808	Rocker arm bolt	51	7549604851	Wheel sleeve
9	7549604809	Exhaust valve protection caps	52	7549604852	Flywheel side shell
10	7549604810	Exhaust valve spring seat base	53	7549604853	Adjusting arm
11	7549604811	Inlet valve spring seat base	54	7549604854	Stop Switch
12	7549604812	Valve spring	55	7549604855	Square-head screw
13	7549604813	Cylinder head bolt	56	7549604856	Wind scooper
14	7549604814	Stud	57	7549604857	Flywheel nut
15	7549604815	Spark plug	58	7549604858	Volute starting assembly
16	7549604816	Guide plate	59	7549604859	Speed thick spring
17	7549604817	Cylinder cap	60	7549604860	Rocker
18	7549604818	Muffler with Mars network	61	7549604861	Rocker circlip
19	7549604819	Muffler gasket	62	7549604862	Stud
20	7549604820	Centrifugal body assembly	63	7549604863	Pipeline circlip
21	7549604821	Cylinder head gasket	64	7549604864	Pipeline
22	7549604822	Cylinder head positioning pin	65	7549604865	Fuel tank assembly
23	7549604823	Exhaust valve	66	7549604866	Hoop
24	7549604824	Inlet valve	67	7549604867	Evaporation tube
25	7549604825	Piston ring	68	7549604868	Suppression of oil valve
26	7549604826	Putters	69	7549604869	Fuel tank cap
27	7549604827	Tappet	70	7549604870	Hexagon flange nut
28	7549604828	Piston pin retainer	71	7549604871	Throttle lever
29	7549604829	Piston pin	72	7549604872	Power control assembly
30	7549604830	Piston	73	7549604873	Inlet gasket
31	7549604831	Connecting rod	74	7549604874	Insulation board
32	7549604832	Dipstick	75	7549604875	Carburetor paper gasket
33	7549604833	Dipstick ring	76	7549604876	Carburetor assembly
34	7549604834	Oil seal / acrylate	77	7549604877	Carburetor iron gasket
35	7549604835	Oil seal	78	7549604878	Air filter assembly
36	7549604836	Compartment cover	79	7549604879	Air filter knob
37	7549604837	Bearing	80	7549604880	Speed fine spring
38	7549604838	Compartment cover dowel	81	7549604881	Hexagon flange nut
39	7549604839	Compartment cover gasket	82	7549604882	Hexagon flange nut
40	7549604840	Camshaft assembly	83	7549604883	Compartment cover bolts
41	7549604841	Crankshaft assembly	84	7549604884	Evaporation tube
42	7549604842	Carbon tank rubber mat	85	7549604885	Valve guide oil seal
43	7549604843	Carbon tank	86	7549604886	Ignition Coil

EMISSION CONTROL SYSTEM WARRANTY

California, U.S. EPA, and Yardforce Emissions Control Warranty Statement

Your Warranty Rights And Obligations

The California Air Resources Board, U.S. EPA, and Merotec Inc. are pleased to explain the emissions control system warranty on your Model Year 2017-2018 engine/equipment. In California, new small off-road engines and large spark ignited engines less than or equal to 1.0 liter must be designed, built, and equipped to meet the State's stringent anti-smog standards.

B&S must warrant the emissions control system on your engine/equipment for the periods of time listed below provided there has been no abuse, neglect, or improper maintenance of your engine/equipment.

Your exhaust emissions control system may include parts such as the carburetor or fuel injection system, ignition system, and catalytic converter. Also included may be hoses, belts, connectors, sensors, and other emissions-related assemblies. Your evaporative emission control system may include parts such as: carburetors, fuel tanks, fuel lines, fuel caps, valves, canisters, filters, vapor hoses, clamps, connectors, and other associated components. Where a warrantable condition exists, Merotec will repair your engine/ equipment at no cost to you including diagnosis, parts, and Labor.

Manufacturer's Warranty Coverage:

Small off-road engines and large spark ignited engines less than or equal to 1.0 liter, and any related emissions components of the equipment, are warranted for two years*. If any emissions-related part on your engine/equipment is defective, the part will be repaired or replaced by Merotec.

* Two years or for the time period listed in the respective engine or product warranty statement, whichever is greater.

Owner's Warranty Responsibilities:

- As the engine/equipment owner, you are responsible for the performance of the required maintenance listed in your Operator's Manual. Merotec recommends that you retain all receipts covering maintenance on your engine/equipment, but Merotec cannot deny warranty solely for the lack of receipts or your failure to ensure the performance of all scheduled maintenance.
- As the engine/equipment owner, you should however be aware that Merotec may deny you warranty coverage if your engine/equipment or a part has failed due to abuse, neglect, improper maintenance, or unapproved modifications.
- You are responsible for presenting your engine/equipment to a Yardforce distribution center, servicing dealer, or other equivalent entity, as applicable, as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days. If you have any questions regarding your warranty rights and responsibilities, you should contact Yardforce after service center at (866) 902-9690

Yardforce Emissions Control Warranty Provisions

The following are specific provisions relative to your Emissions Control Warranty Coverage. It is in addition to the Yardforce engine warranty for non-regulated engines found in the Operator's Manual.

1. Warranted Emissions Parts
Coverage under this warranty extends only to the parts listed below (the emissions control systems parts) to the extent these parts were present on the engine and/or supplied fuel system.
 - a. Fuel Metering System
 - Cold start enrichment system (soft choke)
 - Carburetor and internal parts
 - Fuel pump
 - Fuel line, fuel line fittings, clamps
 - Fuel tank, cap and tether
 - Carbon canister
 - b. Air Induction System
 - Air cleaner
 - Intake manifold
 - Purge and vent line
 - c. Ignition System
 - Spark plug(s)
 - Magneto ignition system
 - d. Catalyst System
 - Catalytic converter
 - Exhaust manifold
 - Air injection system or pulse valve
 - e. Miscellaneous Items Used in Above Systems
 - Vacuum, temperature, position, time sensitive valves and switches
 - Connectors and assemblies
2. Length of Coverage
For a period of two years from date of original purchase*, Merotec warrants to the original purchaser and each subsequent purchaser that the engine is designed, built, and equipped so as to conform with all applicable regulations adopted by the Air Resources Board; that it is free from defects in material and workmanship that could cause the failure of a warranted part; and that it is identical in all material respects to the engine described in the manufacturer's application for certification. The warranty period begins on the date the engine is originally purchased.
 - Two years or for the time period listed in the respective engine or product warranty statement, whichever is Greater.

The warranty on emissions-related parts is as follows:

- Any warranted part that is not scheduled for replacement as required maintenance in the Operator's Manual supplied, is warranted for the warranty period stated above. If any such part fails during the period of warranty coverage, the part will be repaired or replaced by Merotec at no charge to the owner. Any such part repaired or replaced under the warranty will be warranted for the remaining warranty period.
- Any warranted part that is scheduled only for regular inspection in the Operator's Manual supplied, is warranted for the warranty period stated above. Any such part repaired or replaced under warranty will be warranted for the remaining warranty period.
- Any warranted part that is scheduled for replacement as required maintenance in the Operator's Manual supplied, is warranted for the period of time prior to the first scheduled replacement point for that part. If the part fails prior to the first scheduled replacement, the part will be repaired or replaced by Merotec at no charge to the owner. Any such part repaired or replaced under warranty will be warranted for the remainder of the period prior to the first scheduled replacement point for the part.
- Add-on or modified parts that are not exempted by the Air Resources Board may not be used. The use of any non-exempted add-on or modified parts by the owner will be grounds for disallowing a warranty claim. The manufacturer will not be liable to warrant failures of warranted parts caused by the use of a non-exempted add-on or modified part.

3. Consequential Coverage

Coverage shall extend to the failure of any engine components caused by the failure of any warranted emissions parts.

4. Claims and Coverage Exclusions

Warranty claims shall be filed according to the provisions of the Yardforce engine warranty policy.

Warranty coverage does not apply to failures of emissions parts that are not original equipment Yardforce parts or to parts that fail due to abuse, neglect, or improper maintenance as set forth in the Yardforce engine warranty policy. Merotec is not liable for warranty coverage of failures of emissions parts caused by the use of add-on or modified parts.

WARRANTY

YARDFORCE TWO YEAR LIMITED WARRANTY

Product Warranty

Please keep your original purchase receipt in a safe place as proof of purchase. Warranty coverage for this product must be verified by the original purchase receipt. The warranty period begins on the day that the product was purchased from an authorized retailer of Yard Force products. Warranty coverage only applies to the original purchaser and is not transferrable. Warranty coverage is only provided on products purchased and used in the USA from authorized Yard Force retailers. Products purchased or used outside of the USA are not covered by this warranty.

(2) Two-Year Warranty – Pump and Engine

The Y0GWC3200R0 has a 2-Year Limited Warranty from the date of purchase against manufacturer defects for residential use only. Commercial use voids the warranty. This warranty does not cover accidental damage, unreasonable use, normal wear and tear, neglect or non-compliance with the Operating, Safety and Maintenance Instructions. All service, outside of normal maintenance as described in this manual, must be done by an authorized service technician. Any unauthorized service or changes to the original configuration of this product will void the warranty. All parts and accessories used on and with this product must be manufacturer/or and authorized by Merotec Inc.

(90) Ninety-Day Warranty – Accessories

The accessories included with the Y0GWC3200R0; including hose, trigger handle and wand, and other similar parts are warranted against manufacturer defects for residential use only for a period of 90 days from date of purchase.

Warranty does not cover loss of use or other consequential damages arising from any of the above, nor does it cover repairs made or attempted by unauthorized persons. This warranty is void if the product is used for commercial, rental or industrial purposes. Certain parts, attachments and accessories are subject to normal wear and tear and are excluded from the warranty.

Service and Warranty Claims Process

Contact the Yard Force Support Center toll-free at **(866) 902-9690 Monday-Friday between 8:30 AM and 5:00 PM Eastern Time** for service and warranty support.

Yard Force USA Service Support agents can help you troubleshoot problems over the phone to get you back up and running as quickly as possible. In the situation where service or warranty inspection is needed, please follow these steps:

1. Contact Yard Force USA at **(866) 902-9690 Monday-Friday between 8:30 AM and 5:00 PM Eastern Time**.
2. Send in proof-of-purchase and serial number (if applicable) to confirm warranty coverage.
3. If service or a warranty evaluation is requested, Yard Force USA will provide an RGA number that should be used in all communications with Yard Force USA and is required to be indicated on the product itself and on the outside of the box.
4. All shipments to Yard Force USA must have an RGA number. Any shipment received that does not have an RGA number clearly marked on the outside of the box will be refused.
5. All shipments must be sent pre-paid, Yard Force USA does not pay for any shipping costs for service or warranty evaluation. Yard Force USA is not responsible for any packages that are lost by carrier. We recommend that shipments are made by a carrier that provides tracking and delivery confirmation.

For more information or to ask questions, please call toll-free **(866) 902-9690 Monday-Friday between 8:30 AM and 5:00 PM Eastern Time**.

SAVE THESE INSTRUCTIONS



1-866-902-9690



www.ForceToolsUSA.com

Need Help?

Please do not return the product to the place of purchase yet. We're here to help and take care of all your needs.

Contact our customer service department for help with:

- Product assembly or use
- Missing or damaged parts
- Troubleshooting

You can also visit our website for typical FAQ's, downloadable troubleshooting steps and instructional videos. Replacement parts and accessories can be purchased at www.ForceToolsUSA.com, or call our toll free hotline: 1-866-902-9690 M-F 8:30am – 5:00pm ET

Merotec Inc.

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Made in China at a SUMEC manufacturing facility

MADE IN CHINA