

# GENERAC®



## OPERATOR'S MANUAL BELT DRIVEN POWER WASHER



**Intertek**  
3012903



**CAUTION**  
**RISK OF INJURY!**

**READ MANUAL BEFORE OPERATING!**

This manual is an important part of the power washer and must remain with this unit!

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## **WARNING**

**Warning:** This product contains lead, a chemical known to the State of California to cause birth defects or other reproductive harm.

*Wash your hands after handling this product.*

## **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 one or more chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

# INTRODUCTION

Congratulations on the purchase of your new cold water power washer! You can be assured your new cold water power washer was constructed with the highest level of precision and accuracy. Each component has been rigorously tested by technicians to ensure the quality, endurance and performance of this unit.

This operator's manual was compiled for your benefit. By reading and following the simple safety, installation, operation, maintenance and troubleshooting steps described in this manual, you will receive years of trouble free operation from your new cold water power washer. The contents of this manual are based on the latest product information available at the time of publication. Generac reserves the right to make changes in price, color, materials, equipment, specifications or models at any time without notice.

## ! IMPORTANT !

THESE PARAGRAPHS ARE SURROUNDED BY A "SAFETY ALERT BOX". THIS BOX IS USED TO DESIGNATE AND EMPHASIZE SAFETY WARNINGS THAT MUST BE FOLLOWED WHEN OPERATING THIS POWER WASHER.

ACCOMPANYING THE SAFETY WARNINGS ARE "SIGNAL WORDS" WHICH DESIGNATE THE DEGREE OR LEVEL OF HAZARD SERIOUSNESS. THE "SIGNAL WORDS" USED IN THIS MANUAL ARE AS FOLLOWS:

**DANGER:** INDICATES AN IMMINENTLY HAZARDOUS SITUATION WHICH, IF NOT AVOIDED, WILL RESULT IN DEATH OR SERIOUS INJURY.

**WARNING:** INDICATES A POTENTIALLY HAZARDOUS SITUATION WHICH, IF NOT AVOIDED, COULD RESULT IN DEATH OR SERIOUS INJURY.

**CAUTION:** INDICATES A POTENTIALLY HAZARDOUS SITUATION WHICH, IF NOT AVOIDED MAY RESULT IN MINOR OR MODERATE INJURY.



THE SYMBOLS SET TO THE LEFT OF THIS PARAGRAPH ARE "SAFETY ALERT SYMBOLS". THESE SYMBOLS ARE USED TO CALL ATTENTION TO ITEMS OR PROCEDURES THAT COULD BE DANGEROUS TO YOU OR OTHER PERSONS USING THIS EQUIPMENT.



ALWAYS PROVIDE A COPY OF THIS MANUAL TO ANYONE USING THIS EQUIPMENT. READ ALL INSTRUCTIONS BEFORE OPERATING THIS POWER WASHER AND ESPECIALLY POINT OUT THE "SAFETY WARNINGS" TO PREVENT THE POSSIBILITY OF PERSONAL INJURY TO THE OPERATOR.

Once the unit has been removed from the box, immediately write in the serial number of your unit in the space provided below.

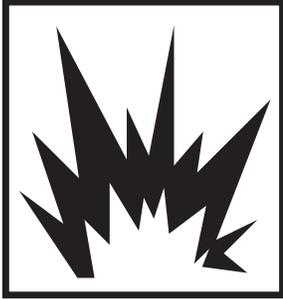
SERIAL NUMBER \_\_\_\_\_

Inspect for signs of obvious or concealed freight damage. If damage does exist, file a claim with the transportation company immediately. Be sure that all damaged parts are replaced and that the mechanical problems are corrected prior to operation of the unit. If you require service, contact Generac Customer Service by phone at 1-888-436-3722 or on the internet at [www.generac.com](http://www.generac.com).

Please have the following information available for all service calls:

1. Model Number
2. Serial Number
3. Date and Place of Purchase

## ! IMPORTANT SAFETY WARNINGS !



### FIRE & VENTILATION PRECAUTIONS:

1. This unit was designed for outdoor use only. NEVER operate this unit in an enclosed area. ALWAYS make certain there is adequate air (oxygen) for combustion as well as ventilation to prevent the presence of poisonous carbon monoxide gases. Beware of poorly ventilated areas or exhaust fans which can cause inadequate combustion or engine overheating.
2. DANGER: Carbon monoxide produced during use CAN KILL in minutes. NEVER use indoors, in a vehicle or in other sheltered areas, EVEN IF doors and windows are open. Only use OUTSIDE and far away from windows, doors and vents.
  - a. Carbon monoxide is an odorless, colorless, poison gas. Breathing carbon monoxide can cause headache, fatigue, dizziness, vomiting, confusion, seizures, nausea, fainting or death. If you start experiencing any of these symptoms, IMMEDIATELY move to fresh air. Seek medical attention.
  - b. Keep exhaust gas from entering confined area through windows, doors ventilation intakes, or other openings. Warn any occupants inside about the symptoms of carbon monoxide so they know to move to fresh air if they begin to feel ill.
  - c. The use of a carbon monoxide detector inside any occupied premise between the power washer and the occupant is recommended.
  - d. Use a respirator or mask whenever there is a chance that harmful gas or vapors may be inhaled.
  - e. Read all instructions with respirator or mask so you are certain the respirator or mask will provide the necessary protection against inhaling harmful gas or vapors. If you begin to experience any of the carbon monoxide symptoms listed above, IMMEDIATELY move to fresh air.
3. NEVER operate this unit in the presence of flammable vapors or combustible dust, gases or other combustible materials. (A spark may cause an explosion or fire.) When servicing this machine, be especially careful to properly dispose of any flammable materials. DO NOT spray flammable liquids.
4. ENGINE FUEL TANK:
  - a. **DO NOT SMOKE WHILE FILLING ENGINE FUEL TANK**
  - b. NEVER fill the engine fuel tank while the unit is running or hot. Allow the engine to cool two minutes before refueling.
  - c. DO NOT refuel indoors or in a poorly ventilated area.
  - d. ALWAYS refuel slowly to avoid the possibility of spilled fuel which may cause a risk of fire.
5. DO NOT operate the unit if gasoline is spilled. Wipe unit clean and move the unit away from the spill. Avoid creating any ignition until the gasoline has evaporated.
6. DO NOT store the unit near an open flame or any equipment such as a stove, furnace, water heater, etc., which utilizes a pilot light or devices which can create a spark.

### IMPORTANT

The following is required by California State law, Section 4442 of the California Public Resources Code. Other states may have similar laws. Federal laws apply on federal lands.

**A spark arrester must be added to the muffler of this engine if it is to be used on any forest covered, brush covered or grass covered unimproved land. The arrester must be maintained in effective working order by the operator.**

See your engine or equipment dealer for spark arrester muffler options.



# IMPORTANT SAFETY WARNINGS



## SPRAY PRECAUTIONS:



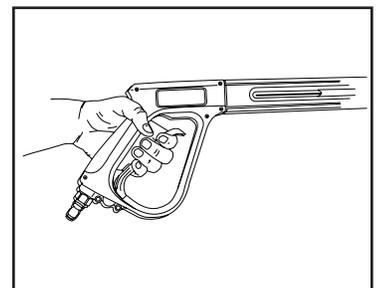
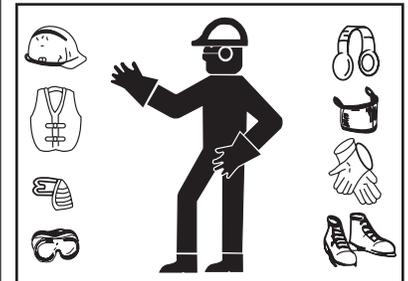
### DANGER

**RISK OF INJECTION OR SEVERE CUTTING INJURY!**

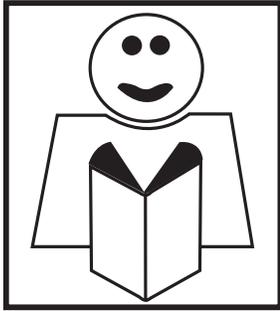
**KEEP CLEAR OF NOZZLE!**

**DO NOT DIRECT DISCHARGE STREAM AT PERSONS OR PETS!  
ONLY TRAINED OPERATORS SHOULD USE THIS PRODUCT. WHEN  
OPERATING THIS UNIT, BASIC PRECAUTIONS SHOULD ALWAYS BE  
OBSERVED INCLUDING THE FOLLOWING:**

1. KEEP AWAY FROM THE SPRAY:
  - a. Because of the high pressure and velocity of the spray, fluids can penetrate the skin, causing serious injury.
  - b. Never point the gun at yourself or anyone else. Never put your hand, fingers or body directly over the spray nozzle. Always keep operating area clear of all persons. Use **extreme** caution when operating near children.
  - c. If an accident does occur and the spray appears to have penetrated the skin, SEEK EMERGENCY MEDICAL CARE. DO NOT TREAT AS A SIMPLE CUT. If you are using cleaning agents, be prepared to tell a physician exactly what kind.
2. ALWAYS wear protective goggles when operating the unit to shield the eyes from flying debris and detergents. Other protective equipment such as rubber suits, gloves and respirators are advisable, especially when using cleaning detergents. Use **extreme** caution when operating near children.
3. Stay alert-watch what you are doing. Do not operate the unit when fatigued or under the influence of alcohol or drugs.
4. NEVER squeeze the trigger unless securely braced. The thrust from the water traveling through the nozzle may be powerful enough to cause the operator to lose balance if unprepared. DO NOT overreach or stand on unstable support. Wet surfaces can be slippery, wear protective foot gear and keep good footing and balance at all times. NEVER trigger the gun while on a ladder or roof.
5. Caution should be used when directing spray toward fragile materials such as glass. Shattering could result in serious injury.
6. ALWAYS hold on firmly to the gun/wand assembly when starting and operating the unit. Failure to do so can cause the wand to fall and whip dangerously. NEVER operate the gun with the trigger wired in the open position. To prevent accidental discharge, the trigger gun should be securely locked when not in use.
7. DO NOT direct spray on or into electrical installations of any kind! This includes electrical outlets, light bulbs, fuse boxes, transformers, etc. Severe electrical shock may occur.
8. Even after you shut off the unit, there is high pressure water left in the pump, hose and gun until you release it by triggering the gun. Before removing the spray nozzle or servicing the unit, ALWAYS shut off the unit and trigger the gun to release trapped pressure.



## ⚠ IMPORTANT SAFETY WARNINGS ⚠



### MISCELLANEOUS SAFETY PRECAUTIONS:

1. NEVER ALLOW CHILDREN OR ADOLESCENTS TO OPERATE THIS UNIT!
2. Read and follow all handling, operations, maintenance and safety instructions listed in this manual and the Engine Operator's manual that accompanies this unit, and provide such information to ANYONE who will be operating this unit.
3. In freezing temperatures, the unit must always be warm enough to ensure there is no ice formation in the pump. DO NOT start this unit if it has been transported in an open or underheated vehicle without first allowing the pump to thaw.
4. When connecting the water inlet to the water supply mains, local regulations of your water company must be observed. In some areas the unit must not be connected directly to the public drinking water supply. This is to ensure that there is no feedback of the detergents into the water supply. (Direct connection is permitted if a back flow preventer is installed.)
5. DO NOT allow any part of your body or the high pressure hose to make contact with the muffler. Avoid dragging the hose over an abrasive surface such as cement. This causes wear and eventual rupturing.
6. High pressure hoses should be inspected daily for signs of wear. If evidence of failure exists, promptly replace all suspect hoses to prevent the possibility of injury from the high pressure spray. If a hose or fitting is leaking, NEVER place your hand directly on the leak.
7. DO NOT operate the unit without all protective covers in place.
8. NEVER run the unit with the governor disconnected or operate at excessive speeds.
9. To reduce the risk of injury, maintain a safe distance from persons while operating this unit. Close supervision is necessary when operating the unit near children.
10. DO NOT leave pressurized unit unattended. Shut off the unit and release trapped pressure before leaving.
11. DO NOT move the unit by pulling on the hose.

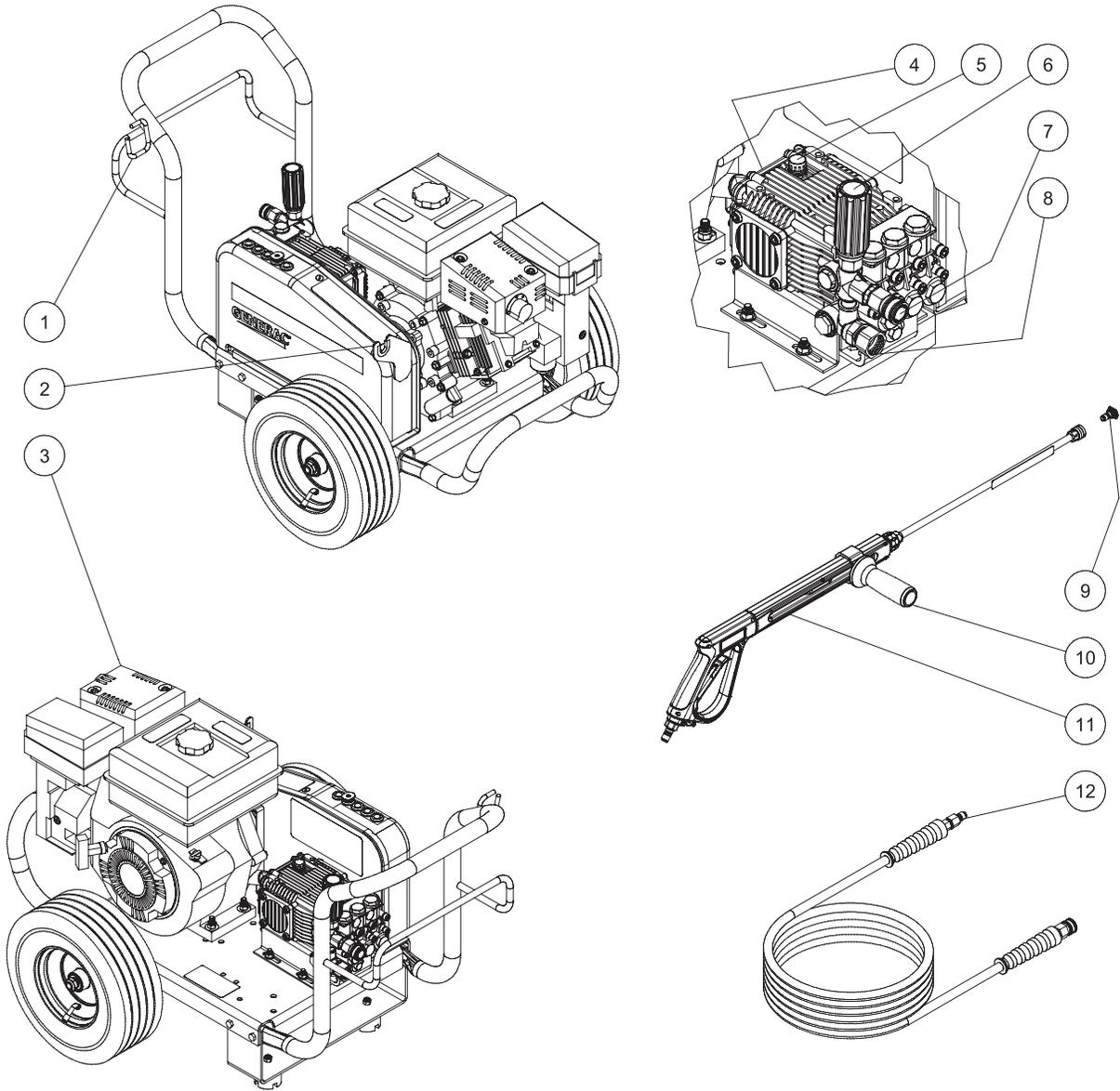
## **IMPORTANT SAFETY WARNINGS**

### **ADJUSTMENT PRECAUTIONS:**

1. NEVER alter or modify the equipment, be sure any accessory items and system components being used will withstand the pressure developed. Use ONLY genuine Generac parts for repair of your power washer. Failure to do so can cause hazardous operating conditions and will void warranty.
2. NEVER make adjustments to the machinery while it is connected to the engine without first removing the ignition cable from spark plug. Turning the machinery over by hand during adjustment or cleaning might start the engine and machinery with it, causing serious injury to the operator.
3. Know how to stop the power washer and bleed pressures quickly. Be thoroughly familiar with controls.
4. Before servicing the unit; turn the unit off, relieve the water pressure, and allow the unit to cool down. Do not make repairs while unit is running. Service in a clean, dry, flat area. Block the wheels to prevent the unit from moving.
5. Follow the maintenance instructions specified in this manual.

 **! SAVE THESE INSTRUCTIONS !** 

# FEATURES



## FEATURES LISTING

- |   |                 |    |                              |
|---|-----------------|----|------------------------------|
| 1 | Gun Holder      | 7  | Water Outlet                 |
| 2 | Wand Holder     | 8  | Water Inlet                  |
| 3 | Engine          | 9  | Quick Connect Nozzle         |
| 4 | Oil Sight Glass | 10 | Aux Gun Handle               |
| 5 | Pump Dipstick   | 11 | Gun Assembly                 |
| 6 | Unloader        | 12 | High Pressure Discharge Hose |

**SAFETY DECALS**  
**!!!DO NOT REMOVE SAFETY DECALS FROM UNIT**  
**UNLESS REPLACING WITH MOST CURRENT SAFETY DECAL!!!**

Reference #6 Decal: Danger-Engine Fuel

<b>⚠ DANGER/PELIGRO</b>	
	<p><b>RISK OF FIRE</b>  Do not add fuel when product is operating. Allow engine to cool for two (2) minutes before refueling.  <small>34-2727-E/S-030600</small></p>
	<p><b>RIESGO DE FUEGE</b>  No ponga combustible cuando el producto este en operacion. Permita que el motor se enfrie por 2 minutos antes de reabastecer de combustible.</p>

Reference #14 Decal: Danger-Risk of Injection

	<b>⚠ DANGER</b>	<b>⚠ PELIGRO</b>
	<p><b>RISK OF INJECTION OR SEVERE INJURY.</b>  Never put your hand, fingers or body directly over the spray nozzle.  <small>34-2725-E/S-122211-ENG.</small></p>	<p><b>RIESGO DE INYECCIÓN O LESIÓN SEVERA</b>  Nunca coloque la mano, los dedos o el cuerpo directamente sobre la boquilla de rocío.</p>

Reference #5 Decal: Warning-Muffler Hot

<b>⚠ WARNING/ADVERTENCIA</b>	
	<p><b>RISK OF BURNS: MUFFLER AND ADJACENT AREAS MAY EXCEED 150°F.</b>  <small>34-2726-E/S-122211-ENG.</small></p>
	<p><b>RIESGO DE QUEMAR: EL AMORTIGUADOR Y LAS AREAS ADYACENTES PUEDEN TENER TEMPERATURAS POR ARRIBA DE 65°C.</b></p>

Reference #8 Decal: Danger/ Caution Statements

<b>⚠ DANGER/PELIGRO</b>	<b>⚠ CAUTION/PRECAUCION</b>
<div style="display: flex; flex-direction: column; gap: 10px;"> <div style="display: flex; align-items: center;">  <div style="padding-left: 10px;"> <ul style="list-style-type: none"> <li>•<b>RISK OF INJECTION OR SEVERE INJURY:</b> Keep clear of nozzle. Do not direct spray toward any person or self. This machine is to be used only by qualified operators.</li> <li>•<b>RISK OF ASPHYXIATION:</b> Outdoor use only required.</li> <li>•<b>RISK OF FIRE:</b> Do not smoke while refueling. Allow to cool two to three minutes before refueling. Do not operate while refueling.</li> <li>•<b>RISK OF ELECTROCUTION:</b> Do not direct spray toward any electrical connections, outlets or power lines.</li> <li>•<b>RISK OF EXPLOSION:</b> Do not spray flammable liquids or in an area containing combustible dust, liquids or vapors.</li> <li>•<b>RISK OF INJURY:</b> Use only properly rated equipment.</li> </ul> </div> </div> <div style="display: flex; align-items: center;">  <div style="padding-left: 10px;"> <ul style="list-style-type: none"> <li>•<b>RIESGO DE INYECCION O LESION SEVERA:</b> Mantenga la boquilla despejada. No dirija el chorro hacia persona alguna o hacia usted.</li> <li>•<b>RIESGO DE ASFIXIA:</b> Unicamente para uso en el exterior.</li> <li>•<b>RIESGO DE FUEGO:</b> No fume mientras este reabasteciendo de combustible. Permita que le motor se enfrie dos o tres minutos antes del reabastecimiento. No opere el productor durante el reabastecimiento.</li> <li>•<b>RIESGO DO ELECTROCUCION:</b> No dirija el chorro hacia conexiones elctricas. Tomas de corriente o lineas de alimentacion de corriente.</li> <li>•<b>RIESGO DO EXPLOSION:</b> No rocíe líquidos inflamables.</li> <li>•<b>RIESGO DE LESION:</b> Use unicamente equipo con clasificacion adecuada.</li> </ul> </div> </div> <div style="display: flex; align-items: center;">  <div style="padding-left: 10px;"> <ul style="list-style-type: none"> <li>•<b>RISK OF INJURY:</b> Use only properly rated equipment.</li> </ul> </div> </div> <div style="display: flex; align-items: center;">  <div style="padding-left: 10px;"> <ul style="list-style-type: none"> <li>•<b>RISK OF INJURY:</b> Use only properly rated equipment.</li> </ul> </div> </div> </div>	<div style="display: flex; flex-direction: column; gap: 10px;"> <div style="display: flex; align-items: flex-start;"> <div style="padding-right: 10px;"> <ul style="list-style-type: none"> <li>•<b>TO REDUCE RISK OF INJURY:</b> Read and understand the operation manual and all instructions before using.</li> <li>•<b>STAY ALERT:</b> Hold onto gun/wand firmly with both hands to avoid dangerous kickbacks.</li> <li>•Always wear eye protection.</li> <li>•Do not overreach or stand on unstable support. Keep good footing and balance at all times.</li> <li>•Always turn on water supply to pump before starting.</li> <li>•Protect pump from freezing.</li> <li>•Engage trigger safety lock-off when not in use.</li> </ul> </div> </div> <div style="display: flex; align-items: flex-start;"> <div style="padding-right: 10px;"> <ul style="list-style-type: none"> <li>•<b>PARA REDUCIR EL RIESGO DE QUE OCURRAN LESIONS:</b> Lea y entienda el manual de operacion y todas las instrucciones antes de usar el producto.</li> <li>•<b>PERMANIZCA ALERTA:</b> Sostenga la pistola varilla firmenmente con ambas manos para evitar golpes de retorciso peligroso.</li> <li>•Use siempre proteccion ocular.</li> <li>•No se extienda demasiado o se pare en un apoyo inestable. Mantenga una buena posición y balance todo el tiempo.</li> <li>•Antes de comenzar, abra siempre el suministro de agua a la bomba.</li> <li>•Proteja la bomba de la congelacion.</li> <li>•Coloque el seguro del gatillo en la posición apagado cuando no este usando el producto.</li> </ul> </div> <div style="text-align: right; font-size: small;"> <small>34-2728-E/S-122211-ENG.</small> </div> </div> </div>

## INSTALLATION & PREPARATION



### ATTIRE:

Proper attire is essential to your safety. It is advised to utilize whatever means necessary to protect eyes, ears, and skin. Additional safety attire (such as respiratory mask) may be required when using detergent cleaning agents with this washer.



### **DANGER**

#### **RISK OF EXPLOSION OR FIRE!**

**DO NOT PLACE UNIT IN AN AREA WHERE FLAMMABLE GAS VAPORS MAY BE PRESENT. A SPARK COULD CAUSE AN EXPLOSION OR FIRE!**

#### **RISK OF UNIT BURSTING!**

**DO NOT STORE/OPERATE UNIT IN A FREEZING ENVIRONMENT!**



### **DANGER**

#### **RISK OF ASPHYXIATION!**

**-DO NOT OPERATE IN AN ENCLOSED AREA. USE THIS PRODUCT ONLY IN WELL VENTILATED AREAS!**

**-THE EXHAUST FROM THE ENGINE CONTAINS CARBON MONOXIDE, A POISONOUS, ODORLESS AND INVISIBLE GAS. BREATHING THIS GAS CAN CAUSE SERIOUS INJURY, ILLNESS & POSSIBLE DEATH.**

### SET-UP:

1. This unit should only be placed on a level surface to ensure proper lubrication for the engine and water pump while operating. NEVER spray water directly on the unit!
2. Do not use unit in an area:
  - a. with insufficient ventilation.
  - b. where there is evidence of oil or gas leaks.
  - c. where flammable gas vapors may be present.
3. Be certain to block the wheels to prevent the unit from moving while operating.
4. Do not allow the unit to be exposed to rain, snow or freezing temperatures. If any part of the unit becomes frozen, excessive pressure may build up in the unit which could render the unit inoperable resulting in possible serious injury to the operator or bystanders.
5. Check the pump oil level prior to each use. Be certain the oil level is within the notched area of the pump dipstick before each use. If the level appears to be low, use SAE 30 oil, fill to the dipstick's notched area. DO NOT OVERFILL!



### **DANGER**

#### **RISK OF FIRE!**

**-DO NOT SMOKE WHILE FUELING!**

**-DO NOT FILL THE FUEL TANK WHILE UNIT IS RUNNING OR HOT. ALLOW UNIT & ENGINE TO COOL FOR TWO MINUTES BEFORE REFUELING.**

**-DO NOT FILL FUEL TANK TO POINT OF OVERFLOWING. ALLOW APPROXIMATELY 1/4" OF TANK SPACE FOR FUEL EXPANSION.**

### ENGINE FUEL TANK:

1. Review "Fire & Ventilation Precautions" pg. 4, before fueling.
2. Locate the Safety Decals on your unit and heed their warnings.
3. A minimum of 86 octane fuel is recommended for use with this unit. DO NOT MIX OIL WITH GASOLINE.
4. Purchase fuel in quantities that may be used within 30 days. Use of clean, fresh lead free gasoline is recommended. Leaded gasoline may be used if lead-free is unavailable. DO NOT use gasoline containing methanol or alcohol.
5. Check the engine oil level before starting the engine. (See Engine manual.)
6. Fill the fuel tank according to accompanying engine manual instructions.
7. Occasional carburetor and choke adjustments will be necessary for the engine. Refer to the engine manual supplied with this unit for proper adjustment procedures.
8. **Review the engine manual accompanying this power washer for correct engine start-up and maintenance procedures.**



### **DANGER**

#### **RISK OF EXPLOSION OR FIRE!**

**ALWAYS STORE FUEL AWAY FROM THE WASHER WHILE THE UNIT IS RUNNING OR HOT.**

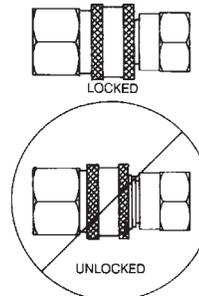
## INSTALLATION & PREPARATION

### NOZZLE REVIEW:

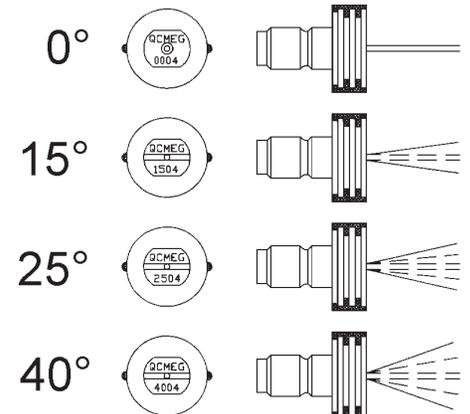
Various nozzles may be quick-connected into the end of the wand to change the spray pattern. When using Quick Connects (Q.C.), be certain the connection is securely locked. If not, the high pressure water may shoot the nozzle from the wand, causing severe injury or serious damage. To determine spray fan, refer to the actual number stamped on the nozzle. The first two digits indicate the spray fan in degrees, i.e.; 00=0°, 15=15°, 25=25°, 40=40°.

1. **The 0° nozzle (RED):** This is a blasting nozzle. It delivers a very concentrated stream of water. Be cautious when using the straight narrow stream. It is not recommended for use on painted or wood surfaces, or items attached with adhesive backings. Uses: Removing weeds from sidewalk cracks, stubborn stains from concrete, masonry, aluminum and steel, caked mud from equipment, and cleaning lawn mower undersides.
2. **The 15° nozzle (YELLOW):** This is a chiseling nozzle. The spray should be directed at a 45° angle to the surface and used like a scraper to remove paint, grease and dirt. Uses: Surface preparation (removing mildew stains and paint chips).
3. **The 25° nozzle (GREEN):** This is a flushing nozzle. This pattern is best suited for flushing dirt, mud, and grime. Uses: Wet sweeping leaves from walks, curbs and driveways, cleaning stable floors, washing swimming pool bottoms, degreasing engines.
4. **The 40° nozzle (WHITE):** This is a wash nozzle. This wide spray pattern disperses the water pressure over a large area and is recommended for moderate washing. Uses: Washing aluminum siding, vehicles, spraying sidewalks, driveways, and patios.

### CONNECTION OF Q.C. NOZZLES



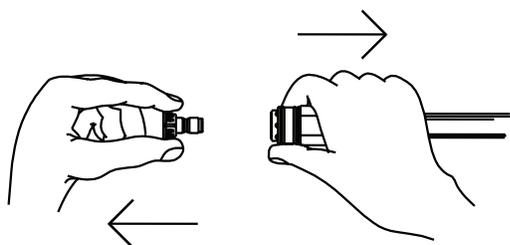
### QUICK-CONNECT (Q.C.)



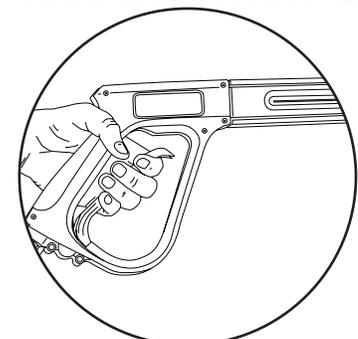
### NOZZLE CONNECTION:

1. Be certain the trigger gun is locked in the "OFF" position. See *WARNING* at right.
2. The nozzle assembly should be disconnected from the gun assembly at this time by retracting the locking ring on the quick-connect fitting to remove the nozzle.

### QUICK-CONNECTION

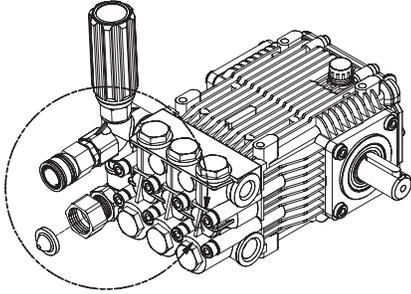


**DANGER**  
**RISK OF INJECTION CAUSING SEVERE INJURY!**  
**THE TRIGGER GUN SHOULD ALWAYS BE LOCKED IN THE OFF POSITION WHEN NOT IN USE!**

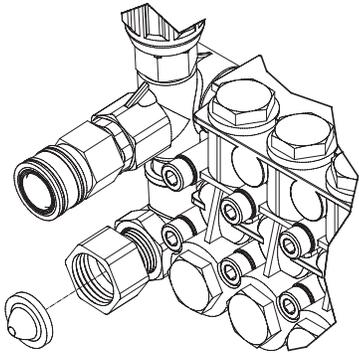


## INSTALLATION & PREPARATION

### WATER SUPPLY:



1. Select a water supply hose which is a quality grade of garden hose measuring at least 3/4" ID and no longer than 50 feet.
2. Check the water inlet strainer to ensure it is clean and free of any obstructions. Periodic cleaning of the water strainer will help prevent pump problems. As a strainer becomes obstructed, it restricts proper flow of water to the pump. This can result in cavitations which will cause premature failure of pump packings.
  - a. Using a screw driver, remove the screen from the water inlet.
  - b. Clean or replace if necessary.
3. Connect the hoses:
  - a. Connect one end of the water supply hose to the water inlet of the unit.
  - b. Connect the other end of the hose to your pressurized water supply. When connecting the water inlet to the water supply mains, local regulations of your water company must be observed. In some areas, the unit must not be connected directly to the public drinking water supply. This is to ensure that there is no feedback of the detergents into the water supply. (Direct connection is permitted if a back flow preventer is installed.)
  - c. Quick-connect the high pressure discharge hose to the water outlet of the unit.
  - d. Connect the other end of the discharge hose to the gun.
4. Follow the incoming water requirements listed below:
  - a. Water pressure must be a minimum of 25 pounds per square inch (PSI) and a maximum of 125 PSI. (A typical outdoor faucet will generally supply this PSI if turned completely "ON".)
  - b. Incoming GPM must be approximately one gallon more than the outgoing GPM stated on the power washer nameplate. (You can check GPM by timing how long it takes to fill a 5 gallon container.)
  - c. Incoming water temperature must not exceed 125°F. Excessive pump damage may result if the water temperature exceeds this acceptable level.
5. Never allow the unit to operate without the incoming water line attached and the water supply completely turned on.



### **CAUTION**

#### **RISK OF UNIT DAMAGE!**

**DO NOT OVERTIGHTEN THE UNLOADER. BREAKAGE COULD RESULT IN IMMEDIATE LOSS OF WATER PRESSURE AND COSTLY REPAIRS.**

### **UNLOADER:**

The unloader on your machine is equipped with an adjustment knob to adjust the pressure. Should less pressure be required, simply turn the adjustment knob counterclockwise. To set back to maximum, turn adjustment knob completely clockwise. **DO NOT OVERTIGHTEN!**

### **THERMAL RELIEF VALVE:**

To ensure the water temperature does not exceed acceptable levels, never allow the power washer to operate in the bypass mode (with the unit running and the trigger gun closed) for more than three minutes.

A thermal relief valve has been added to this unit to protect the pump. It may begin to open and release water if the water temperature in the pump has exceeded 140°F. This will allow fresh, cool water to enter the system.

## INSTALLATION & PREPARATION

### PRE-START INSPECTION PROCEDURES:

Before starting the unit, perform the following procedures:

1. Check the oil level in the pump and engine.
2. Inspect the water inlet strainer. Clean or replace if necessary. See “Water Supply”, #2, pg. 12.
3. Check all hose connections to ensure they are securely tightened. See “Water Supply”, #3, pg. 12.
4. Inspect for system fuel leaks. If a fuel leak is found, DO NOT START UNIT! See “Fire & Ventilation Precautions”, #2 and #4, pg. 4. Be sure that all damaged parts are replaced and that the mechanical problems are corrected prior to operation of the unit. If you require service, contact Customer Service.
5. Inspect high pressure hoses for kinking, cuts and leaks. If a cut or leak is found, DO NOT USE HOSE! Replace hose before starting unit. See “Miscellaneous Safety Precautions” #6, pg. 6. Be sure that all damaged parts are replaced and that the mechanical problems are corrected prior to operation of the unit. If you require service, contact Customer Service.

### END OF PREPARATION INSTRUCTIONS

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## **WARNING**

**THE FOLLOWING PAGES CONTAIN OPERATING AND MAINTENANCE INSTRUCTIONS.**

**DO NOT ATTEMPT TO OPERATE THIS POWER WASHER UNTIL YOU HAVE READ AND UNDERSTOOD ALL SAFETY PRECAUTIONS AND INSTRUCTIONS LISTED IN THIS MANUAL.**

**INCORRECT OPERATION OF THIS UNIT CAN CAUSE SERIOUS INJURY!!**

**DO NOT ALTER OR MODIFY THIS EQUIPMENT IN ANY MANNER!**

# OPERATING INSTRUCTIONS



## CAUTION

### RISK OF UNIT DAMAGE.

**BE CERTAIN THE NOZZLE IS NOT CONNECTED TO THE UNIT WHILE PRIMING THE PUMP. PRIMING ALLOWS MINERAL DEPOSITS TO BE RELEASED FROM THE SYSTEM WHICH WOULD OBSTRUCT OR DAMAGE THE NOZZLE ASSY. RESULTING IN COSTLY REPAIRS.**

### PRIMING THE PUMP:

1. It is essential to prime the pump on initial start-up and each time the water supply is disconnected from the unit after initial use.
2. Lay the high pressure hose out to remove any loops. Water flow will constrict the hose, creating tight loops if the hose is not straight.
3. Securely connect the gun assembly to the high pressure hose.

**NOTE:** *The nozzle assembly should NOT be connected to the gun assembly at this time. (See "Nozzle Connection" pg. 11)*

4. With the trigger gun locked in the "OFF" position, turn the water supply completely on. Pointing the gun in a safe direction, unlock the trigger gun and squeeze the trigger.
5. Low pressure water will begin flowing from the hose/gun assembly. This allows the unit to prime and purge any air from the system. The unit is primed when water flow is uninterrupted by air.
6. Once the unit is primed, release the trigger and lock the gun in the "OFF" position. Securely connect the nozzle assembly. (See "Nozzle Connection" pg. 11)



## DANGER

### RISK OF INJECTION CAUSING SEVERE INJURY!

**-KEEP CLEAR OF NOZZLE! NEVER PLACE HAND OR FINGERS IN FRONT OF NOZZLE!**

**-DO NOT DIRECT DISCHARGE STREAM AT PEOPLE OR PETS!**

**-BE CERTAIN THE NOZZLE IS SECURELY CONNECTED TO THE WAND TO PREVENT ACCIDENTAL DISCHARGE!**

### START-UP:

1. Refer to the "Safety Precautions" pgs. 4-7 before starting the unit.
2. Locate the Safety Decals on your unit and heed their warnings.
3. With the gun locked in the "OFF" position, Point the trigger gun away from yourself or anyone else. Ensure the water supply is completely turned on.
4. Disengage the safety lock-off on the gun and squeeze the trigger. Low pressure water will begin flowing from the nozzle.
5. **BE CERTAIN the trigger gun remains in an open position while starting the engine.** Brace yourself as the gun will kickback from the high pressure created by the pump once the engine has started.
6. Steady the unit during engine start-up. (Refer to the engine manual accompanying this power washer for the correct procedures needed to start the engine.)
7. Once the engine has started, perform the following procedures with the gun open:
  - a. Inspect for system oil leaks and fuel leaks. If a fuel leak is found, TURN UNIT OFF IMMEDIATELY! See "Fire & Ventilation Precautions", #2 and #4, pg. 4. Be sure that all damaged parts are replaced and that the mechanical problems are corrected prior to operation of the unit. If you require service, contact Customer Service.
  - b. Inspect high pressure hoses for kinking, cuts and leaks. If a cut or leak is found, DO NOT TOUCH HOSE AT LEAK!!! TURN UNIT OFF IMMEDIATELY! Replace hose before restarting the unit. See "Miscellaneous Safety Precautions" #6, pg. 6. Be sure that all damaged parts are replaced and that the mechanical problems are corrected prior to operation of the unit. If you require service, contact Customer Service.
8. Trigger the gun several times. **Be certain** to LOCK the trigger gun in the "OFF" position whenever changing the quick connect nozzles. NEVER look directly into the nozzle! High pressure water creates a risk of severe injury!
9. Do not allow unit to operate in bypass mode (with trigger closed) for more than three minutes without triggering the gun. Failure to follow this simple rule can cause premature failure of pump packing seals, resulting in costly pump repair.
10. Because your power washer delivers a high pressure spray and a variety of spray patterns, there are many cleaning jobs that can be done without the use of detergents.



## CAUTION

### RISK OF DAMAGE.

**DONOT ALLOW SPRAY PATTERN TO REMAIN ON A FIXED AREA FOR AN EXTENDED PERIOD OF TIME. POSSIBLE DAMAGE MAY OCCUR TO THE AREA.**

# OPERATING INSTRUCTIONS

## SHUT-DOWN:

1. Turn engine "OFF" as directed in the Engine Manual.
2. Turn the water supply "OFF".
3. Pointing the gun in a safe direction, trigger gun momentarily to relieve any trapped pressure.
4. Once pressure is relieved, disconnect the nozzle assembly.
5. Disconnect and drain gun, wand and hoses.
6. Wipe unit clean and store with gun, wand and hoses in a safe, non-freezing area.

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## STORAGE & MAINTENANCE

### SPECIFIC MAINTENANCE:

**ENGINE:** The engine instructions that accompany your unit detail specific procedures for maintenance of the engine. Following the engine manufacturer's recommendations will extend engine work life.

**PUMP:** The pump oil must be changed after the first 25 hours of operation. Once the initial oil change has been completed, it is recommended the oil be changed every 3 months or 250 hour intervals. If oil appears dirty or milky, changes may be required at a greater frequency. Use SAE 30 oil, fill only to the center of the oil sight glass and fill only to the center of the oil sight glass. **DO NOT OVERFILL!**

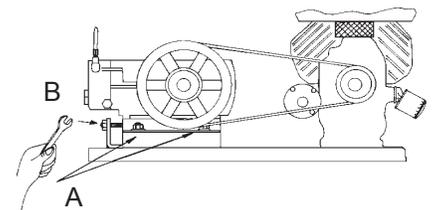
**NOZZLES:** Water flow through the spray nozzle will erode the orifice, making it larger, resulting in a pressure loss. Nozzles should be replaced whenever pressure is less than 85% of the maximum. The frequency of replacement will depend upon such variables as mineral content in the water and number of hours the nozzle is used.

**QUICK COUPLERS:** There is an o-ring seal inside the female quick coupler. This o-ring will deteriorate or, if the unit is allowed to pump without the high pressure hose or nozzle attached, the o-ring may be blown out occasionally. Simply insert a replacement o-ring to correct the leak. (Additional o-rings can be purchased from your dealer.)

**BELT TENSION ADJUSTMENT:** To maintain peak performance of your power washer, it may be necessary to adjust the belt tension on occasion. Follow the procedure outlined below.

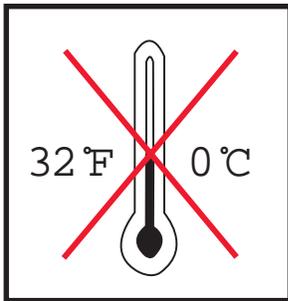
1. Remove the belt guard and loosen the two nuts on each side of the pump. (Reference A) There are a total of 4 nuts.
2. Turn the cap screw (Reference B) clockwise until a 1/2 inch belt deflection is noticed between the pulleys.
3. Tighten the side nuts. (Reference A)
4. Put a straight edge across both pulleys. If necessary, loosen one set of pulley screws and adjust in or out to properly align. Tighten the pulley screws and check the tension again.
5. Replace the beltguard and tighten the fasteners securely.

### BELT TENSION ADJUSTMENT



## STORAGE & MAINTENANCE

### WINTERIZING:



For storage and transportation purposes in subfreezing ambient temperatures, it will be necessary to winterize this unit. This unit must be protected to the lowest incurred temperature for the following reasons:

1. If any part of the pumping system becomes frozen; excessive pressure may build up in the unit which could render the unit inoperable resulting in possible serious injury to the operator or bystanders.
2. The pumping system in this unit may be permanently damaged if frozen. **FREEZE DAMAGE IS NOT COVERED BY WARRANTY.**

If you must store your unit in an area where the temperature may fall below 32°F, you can protect your unit by following the procedure outlined below.

1. Gather the following items:
  - a. Two 5 gallon containers.
  - b. One gallon of antifreeze. (Generac recommends an environmentally safe antifreeze.)
  - c. Water supply.
  - d. Three foot hose, 1/2-3/4 I.D. with a 3/4 inch male garden hose fitting.
2. Procedure:
  - a. To start winterizing, unit must be run and primed according to the "Start-up Procedures" listed on page 14.
  - b. After running and priming, shut off the unit and water supply.
  - c. Relieve system pressure by pointing the trigger gun in a safe direction and squeezing the trigger until water flow ceases to exit the nozzle.
  - d. Lock the trigger gun in an OFF position and remove the nozzle.
  - e. In one 5 gallon container, mix the antifreeze and water according to manufacturer's recommendations for the temperature to which you are winterizing.

**NOTE:** *Proper winterizing is based on the recommended manufacturer's instructions listed on the "Protection Chart" shown on the back label of most antifreeze containers.*

- f. Remove the water supply hose from the unit and attach the 3 foot hose securely to the inlet connection. Submerge the other end into the antifreeze solution.
  - g. Point the wand into the empty container and start the unit.
  - h. Trigger the gun until the antifreeze begins to exit the wand. Release the trigger for 3 seconds, then trigger the gun for 3 seconds. Continue cycling the gun several times until all the antifreeze mixture is siphoned from the container.
  - i. Stop the unit.
  - j. Detach the 3 foot hose from the unit and drain any excess antifreeze back into the 5 gallon container.
  - k. Disconnect the hose/gun/wand assembly from the unit and drain any excess antifreeze back into the 5 gallon container.
  - l. Store the hose, gun and wand with the unit in a safe, non-freezing area.
  - m. Store antifreeze solution for next use or dispose of according to state EPA laws.
3. Optional Procedure:
    - a. Shut the unit and water supply off.
    - b. Relieve system pressure by pointing the trigger gun in a safe direction and squeezing the trigger until water flow ceases to exit the nozzle.
    - c. Disconnect and drain the hose, gun and wand.
    - d. Start the unit and allow it to run until all the water exits the unit. Once the water has stopped flowing from the unit, turn the unit off.

**NOTE:** *When using this procedure, caution should be used as ice chips can form from drops of water which could cause the unit to burst if starting before completely thawed.*

## TROUBLESHOOTING

SYMPTOM	PROBABLE CAUSE	REMEDY
Engine will not start.	Various engine problems.	Refer to the Engine Manual accompanying your unit.
	Unit components are frozen.	Allow to thaw. If any part of the unit becomes frozen; excessive pressure may build up in the unit which could cause the unit to burst resulting in possible serious injury to the operator or bystanders.
No discharge at nozzle when trigger mechanism is squeezed.	Inadequate water supply.	Ensure hose is 3/4" diameter and incoming water supply is turned on.
	Kink in water inlet hose.	Remove kink.
Low or fluctuating pressure.	Kink in high pressure discharge hose.	Replace hose.
	Water inlet strainer obstructed.	Remove screen, clean or replace.
	Pump sucking air. (Prime eliminated)	Tighten all water intake connections Eliminate leaks in intake line.
	Not in high pressure mode.	Insert high pressure nozzle.
	Obstructed or worn spray nozzle.	Remove, clean or replace.
	Damaged or obstructed valve assy. on pump.	Remove, inspect, clean or replace.
	Pump packings worn.	Replace packings.
	Unloader valve not operating correctly.	Repair or replace.
Water is leaking from the "Heat Dump Valve"	Water temperature is too high.	Do not allow the unit to operate in the bypass mode (with trigger gun closed) for more than 3 minutes.
	Defective valve.	Replace.
Oil appears milky or foamy.	Water in oil.	Change pump oil. Fill to proper level.
Oil leaking from unit.	<b>DO NOT USE!!!!</b>	Contact Customer Service.
Water flows from the nozzle when the trigger gun is locked in the "OFF" position.	Gun is malfunctioning.	Repair or replace.

# Warranty

## GENERAC POWER SYSTEMS LIMITED WARRANTY FOR COMMERCIAL GRADE POWER WASHERS

Generac Power Systems, Inc. (Generac) warrants its Power Washers will be free from defects in materials and workmanship from the date of purchase for the items and period set forth below. Generac will, at its option, repair or replace any part which, upon examination, inspection and testing by Generac or a Generac Authorized Warranty Service Dealer, is found to be defective. Repair or replacement pursuant to this limited warranty shall not renew or extend the original warranty period. Any repaired product shall be warranted for the remaining original warranty period only. Any equipment that the purchaser/owner claims to be defective must be returned to and examined by the nearest Generac Authorized Warranty Service Dealer. All transportation costs under the warranty, including return to the factory, are to be borne and prepaid by the purchaser/owner. This warranty applies only to Generac Pressure Washers and is not transferable from original purchaser. Save your proof-of-purchase receipt. If you do not provide proof of the initial purchase date, the manufacturer's shipping date of the product will be used to determine the warranty period.

**\*\*\*This Warranty only applies to units sold for use in the US and Canada\*\*\***

### WARRANTY SCHEDULE

LIFETIME – Pump Manifold against freezing or cracking

FIRST SEVEN (7) YEARS - Limited comprehensive coverage on Part(s) (proof of purchase and maintenance is required):

- High Pressure Pump

YEAR ONE AND TWO – Limited comprehensive coverage on Part(s) (proof of purchase and maintenance is required):

- Cart Assembly
- Pulley
- Plumbing

90 DAYS - Limited comprehensive coverage on Part(s) (proof of purchase and maintenance is required):

- Trigger Gun/Wand
- Strainer/Filter
- Unloader Valve
- High Pressure Hose

### GUIDELINES:

1. The customer is responsible to read and following all operating instructions.
2. Products that are damaged due to improper operation will not be covered by warranty. This includes water pump components that are started without the required water flow and pressure.
3. The customer will be responsible to transport the product to an authorized Generac repair facility for all Warranty work.
4. Verification of maintenance may be requested for coverage of Warranty Repairs.
5. Warranty Parts shipment costs are reimbursed at ground shipment rates. Costs related to requests for expedited shipping will be the responsibility of the customer.
6. Engine is covered by a separate warranty by the engine manufacturer.

### THIS WARRANTY SHALL NOT APPLY TO THE FOLLOWING:

1. Generac power washers that utilize non-Generac replacement parts.
2. Costs of normal maintenance and adjustments.
3. Failure due to lack of maintenance.
4. Normal wear parts:
  - Pump Packing
  - Spray Nozzles
  - Pump Valves
  - Detergent Valves
  - O-Rings
  - Quick Couplings/Screw Connects
  - Belts
5. Failures caused by any contaminated or improper fuels, oils or water or the lack of proper oil or water levels.
6. Repairs or diagnostics performed by individuals other than Guardian/Generac authorized dealers not authorized in writing by Generac Power Systems.
7. Failures due, but not limited, to normal wear and tear, accident, misuse, abuse, negligence or improper use. As with all mechanical devices, the Generac engines need periodic part(s) service and replacement to perform as designed. This warranty will not cover repair when normal use has exhausted the life of a part(s) or engine.
8. Failures caused by any act of God and other force majeure events beyond the manufacturer's control.
9. Damage related to rodent and/or insect infestation.
10. Products that are modified or altered in a manner not authorized by Generac in writing.
11. Any incidental, consequential or indirect damages caused by defects in materials or workmanship, or any delay in repair or replacement of the defective part(s).
12. Parts damaged or worn because of the use of caustic liquids or by operation in abrasive or corrosive environments or under conditions causing pump cavitations.
13. Failure due to misapplication.
14. Expenses related to "customer instruction" or troubleshooting where no manufacturing defect is found.
15. Rental equipment used while warranty repairs are being performed.
16. Starting batteries, fuses, filters, light bulbs and engine fluids.

THIS WARRANTY IS IN PLACE OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, SPECIFICALLY, GENERAC POWER SYSTEMS MAKES NO OTHER WARRANTIES AS TO THE MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Any implied warranties which are allowed by law, shall be limited in duration to the terms of the express warranty provided herein. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to purchaser/owner.

GENERAC POWER SYSTEMS ONLY LIABILITY SHALL BE THE REPAIR OR REPLACEMENT OF PART(S) AS STATED ABOVE. IN NO EVENT SHALL GENERAC POWER SYSTEMS BE LIABLE FOR ANY INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF SUCH DAMAGES ARE A DIRECT RESULT OF GENERAC POWER SYSTEMS, INC. NEGLIGENCE. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to purchaser/owner. Purchaser/owner agrees to make no claims against Generac Power Systems, Inc. based on negligence. This warranty gives purchaser/owner specific legal rights. Purchaser/owner also may have other rights that vary from state to state.

**GENERAC POWER SYSTEMS, INC.**

**P.O. BOX 8 • Waukesha, WI 53187 • Ph: (888) GENERAC (436-3722) • Fax: (262) 544-4851**

**To locate the nearest Authorized Dealer visit our website [www.generac.com](http://www.generac.com)**