



# GENERAC

*The Reliable Ones*

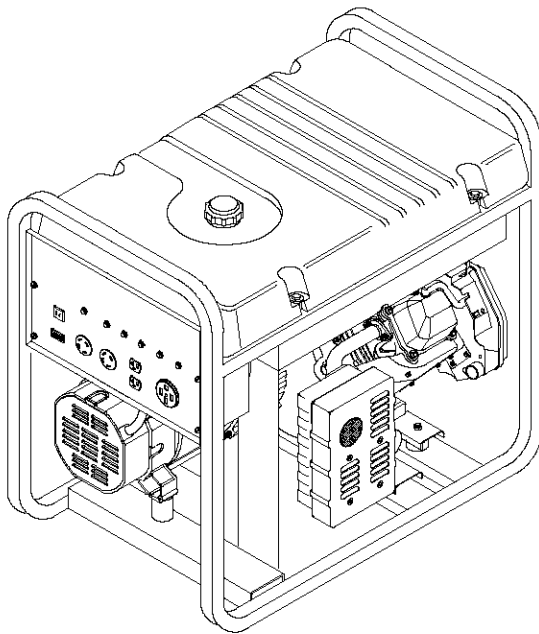
# 7500EXL

## *Portable Generator Owner's Manual*


 **DANGER!** This generator is designed for outdoor use only. **Never** use this generator inside any building or enclosure including the generator compartment of a recreational vehicle (RV). **Carbon monoxide poisoning, fire and/or an explosion may result.** No user performed modifications, including venting of exhaust and/or cooling ventilation, will eliminate the danger. Always have at least two feet of clearance on all sides of the generator even while operating the unit outdoors.

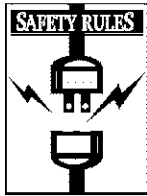
 **DANGER!** You must isolate the generator from the electric utility by opening the electrical system's main circuit breaker or main switch if this unit is used for backup power. **Failure to isolate the generator from the power utility may result in injury or death to electric utility workers and damage to the generator** due to a backfeed of electrical energy.

The Emission Control System for this generator is warranted for standards set by the Environmental Protection Agency. For warranty information refer to the Engine Owner's manual.




Model No. 1019-1 (7500 Watt AC Generator) Manual No. B4594 Revision 0 (11/1/1999)  
Visit our Generac website: [www.generac-portables.com](http://www.generac-portables.com)

 This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.




## EQUIPMENT DESCRIPTION

This generator is an engine-driven, revolving field, alternating current (AC) generator. It was designed to supply electrical power for operating compatible electrical lighting, appliance, tool and motor loads. This manual contains information for a generator that operates 120 and/or 240 Volts, single phase, 60Hz devices that require up to 7500 watts (7.5 kW) of power that pull up to 62.5 Amps at 120 Volts or 31.2 Amps at 240 Volts.

 **CAUTION:** Do Not exceed the generator's wattage/ampere capacity. Add up the rated watts of all devices you are connecting to generator receptacles at one time. This total should not be greater than 7,500 watts for this generator. In most cases rated watts of the electrical device can be found on the device nameplate. If the device nameplate gives only volts and amps, multiply volts times amps to obtain watts (volts x amps = watts).

The generator's revolving field is driven at about 3600 rpm by a single cylinder engine.

Every effort has been expended to make sure that the information in this manual is both accurate and current. However, Generac reserves the right to change, alter or otherwise improve the product at any time without prior notice.

 **DANGER:** Do Not tamper with engine governed speed. High operating speeds are dangerous and increase risk of personal injury or damage to equipment. The generator supplies correctly rated frequency and voltage only when running at proper governed speed. Incorrect frequency and/or voltage can damage some connected electrical loads. Operating at excessively low speeds imposes a heavy load at such reduced speeds, when adequate engine power is not available, and may shorten engine life.

## SAFETY RULES

This generator set was designed and manufactured for specific applications. **Do Not** attempt to modify the unit or use it for any application it was not designed for. If you have any questions about your generator's application, ask your dealer or consult the factory.

The manufacturer could not possibly anticipate every circumstance that might involve a hazard. For that reason, warnings in the manual and warnings on tags or decals affixed to the unit are not all-inclusive. If you intend to handle, operate or service the unit by a procedure or method not specifically recommended by the manufacturer, first make sure that such a procedure or method will not render this equipment unsafe or pose a threat to you and others.

**Read this manual carefully and become familiar with your generator set. Know its applications, its limitations and any hazards involved.**

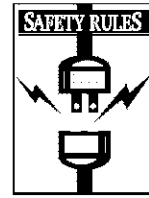


### WARNING:



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

- The generator produces a very powerful voltage that can cause extremely dangerous electrical shock. Avoid contact with bare wires, terminals, etc. Never permit any unqualified person to operate or service the generator.
- Never handle any kind of electrical cord or device while standing in water, while barefoot or while hands or feet are wet.
- The National Electric Code requires the frame and external electrically conductive parts of generator be properly connected to an approved earth ground. Local electrical codes may also require proper grounding of the generator. Consult with a local electrician for grounding requirements in your area.
- Use a ground fault circuit interrupter in any damp or highly conductive area (such as metal decking or steel work).

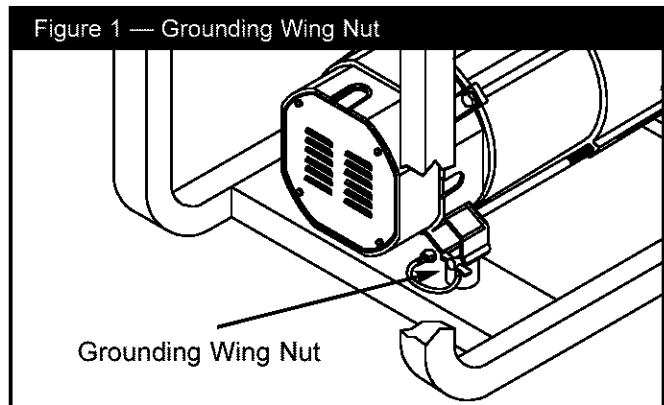


- **Do Not** use worn, bare, frayed or otherwise damaged electrical cord sets with the generator.
- Operate generator only on level surfaces and where it will not be exposed to excessive moisture, dirt, dust or corrosive vapors.
- Gasoline is highly **FLAMMABLE** and its vapors are **EXPLOSIVE**. **Do Not** permit smoking, open flames, sparks or heat in the vicinity while handling gasoline. Avoid spilling gasoline on a hot engine. Comply with all regulations requiring storage and handling of gasoline.
- **Do Not** overfill the fuel tank. Always allow room for fuel expansion. If tank is overfilled, fuel can overflow onto a hot engine and cause **FIRE** or an **EXPLOSION**.
- Never store generator with fuel in tank where gasoline vapors might reach an open flame, spark or pilot light (as on a furnace, water heater or clothes dryer). **FIRE** or an **EXPLOSION** might result.
- Generator exhaust gases contain **DEADLY** carbon monoxide gas. This dangerous gas, if breathed in sufficient concentrations, can cause unconsciousness or even death. Operate this equipment only in the open air where adequate ventilation is available.
- The unit requires an adequate flow of cooling air for its continued proper operation. Never operate the unit inside any room or enclosure where the free flow of cooling air into and out of the unit might be obstructed. Without sufficient cooling air flow, the unit quickly overheats, damaging the generator or nearby property.
- Allow at least 2 feet of clearance on all sides of generator, even while operating unit outdoors, or you could damage the unit. Review Cold Weather Operation on page 9.
- Never start or stop the unit with electrical loads connected to receptacles **AND** with the connected devices turned **ON**. Start the engine and let it stabilize before connecting electrical loads. Disconnect all electrical loads before shutting down the generator.

- **Never operate generator:**  
in rain; in any enclosed compartment; if engine speed changes; if connected electrical devices overheat; if electrical output is lost; if engine or generator sparks; if flame or smoke is observed while unit is running; if unit vibrates excessively.

## GROUNDING THE GENERATOR

The National Electric Code requires the frame and external electrically conductive parts of generator be properly connected to approved earth ground. Local electrical codes may also require proper grounding of the unit. For that purpose, a **GROUNDING WING NUT** (Figure 1) is provided on the cradle frame.



Generally, connecting a No. 12 AWG (American Wire Gauge) stranded copper wire to the grounding wing nut and to an earth-driven copper or brass grounding rod (electrode) provides adequate protection against electrical shock. However, local codes may vary widely. Consult with a local electrician for grounding requirements in your area. Be sure to keep the grounding wire secure while you connect to the grounding rod.

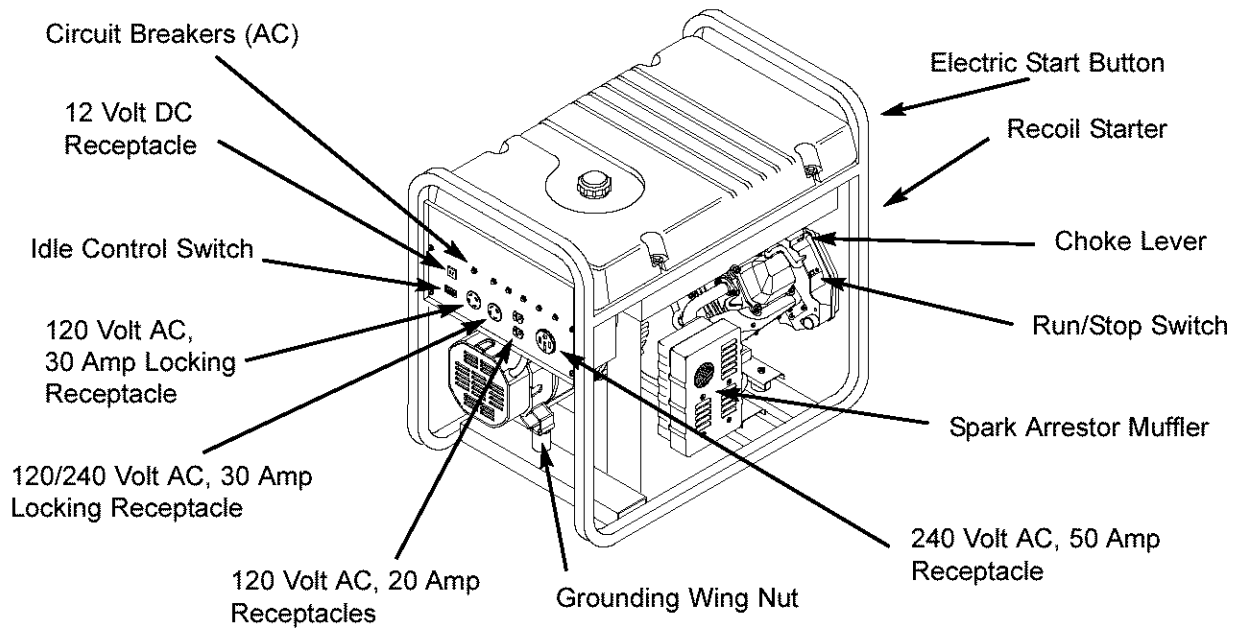
Properly grounding the generator helps prevent electrical shock if a ground fault condition exists in the generator or in connected electrical devices. Proper grounding also helps dissipate static electricity, which often builds up in ungrounded devices.



## KNOW YOUR GENERATOR

Read this owner's manual and safety rules before operating your generator.

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



**12 Volt DC Receptacle** — Use this receptacle with battery charge cables to charge a 12 Volt battery.

**120 Volt AC, 20 Amp Receptacles** — May be used to supply electrical power for the operation of 120 Volt AC, single phase, 60 Hz electrical lighting, appliance, tool and motor loads.

**120 Volt AC, 30 Amp Locking Receptacle** — May be used to supply electrical power for the operation of 120 Volt AC, 30 Amp, single phase, 60 Hz electrical lighting, appliance, tool and motor loads.

**120/240 Volt AC, 30 Amp Locking Receptacle** — May be used to supply electrical power for the operation of 120 and/or 240 Volt AC, 30 Amp, single phase, 60 Hz electrical lighting, appliance, tool and motor loads.

**240 Volt AC, 50 Amp Receptacle** — May be used to supply electrical power for the operation of 240 Volt AC, 50 Amp, single phase, 60 Hz electrical loads.

**Choke Lever** — Used when starting a cold engine.

**Circuit Breakers (AC)** — Each receptacle is provided with a "push to reset" circuit breaker to protect the generator against electrical overload.

**Electric Start Switch** — Pressed to start the engine.

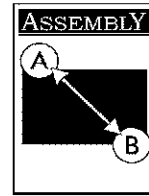
**Grounding Wing Nut** — Use this connection to properly ground the generator.

**Idle Control Switch** — The idle control runs the engine at normal (high) speeds when there is a load present and runs the engine at idle (low) speeds when a load is not present.

**Recoil Starter** — Used as an alternate means of starting the engine.

**Run/Stop Switch** — Must be in "Run" position to start engine. Set to "Stop" to stop a running engine.

**Spark Arrestor Muffler** — Exhaust muffler lowers engine noise and is equipped with a spark arrestor screen.



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

**If you have any problems with the assembly of your generator, please call the generator helpline at 1-800-270-1408.**

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

## REMOVE GENERATOR FROM CARTON

- Set the carton on a rigid flat surface with “This Side Up” arrows pointing upward.
- Carefully open the top flaps of the shipping carton. Review “Cold Weather Operation” on page 9.
- Cut down corners at one end of carton from top to bottom and lay that side of carton down flat.
- Remove all packing material, carton fillers, etc.
- Remove the generator from the shipping carton.

## CARTON CONTENTS

Check all contents. If any parts are missing or damaged, call the generator helpline at 1-800-270-1408.

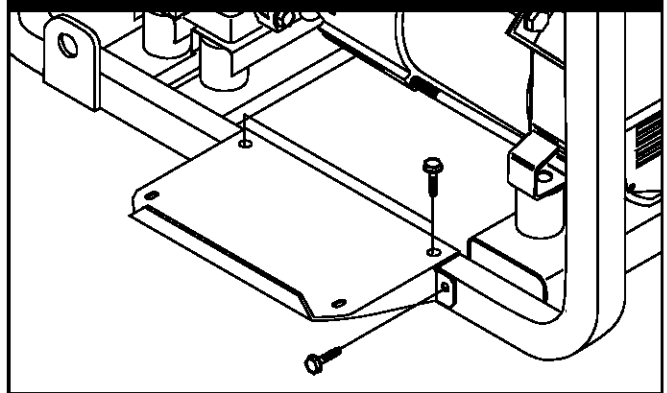
- The generator
- Electric start battery cables
- Generator and engine owner’s manuals
- Locking 20 Amp and 30 Amp plugs
- Battery charge cables
- Battery tray mounting bracket/hardware
- Spare spark plug and air filter element
- Spark plug wrench

## INSTALLING TRAY AND BATTERY

You must purchase and install a 12 Volt DC battery (Series U1-109). The battery should be serviced with electrolyte fluid and fully charged prior to installation. Install the battery as follows:

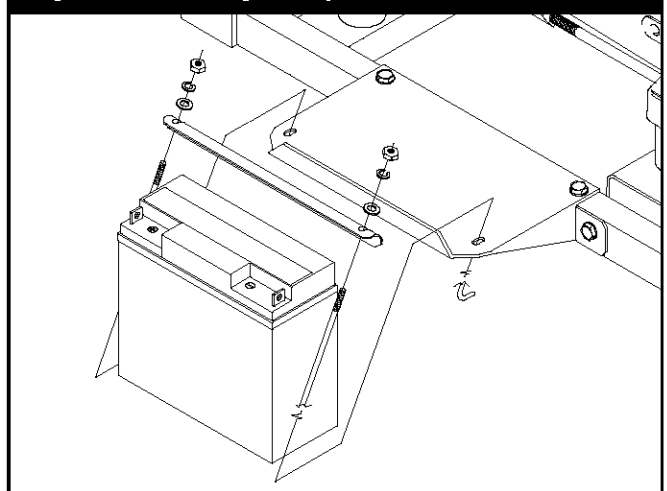
- Find the battery tray and fasteners shipped loose in the carton. The battery bracket, two 7" J-bolts, two lock washers and two hex nuts are included.
- Remove the four battery tray screws from base.
- Position the battery tray and install (Figure 2).

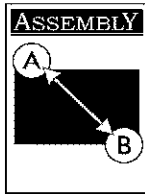
Figure 2 — Installing Battery Tray



- Set battery onto tray and attach bracket, J-bolts, lock washers, flat washers, and hex nuts (Figure 3). Tighten hardware with 3/8" wrench.

Figure 3 — Installing Battery

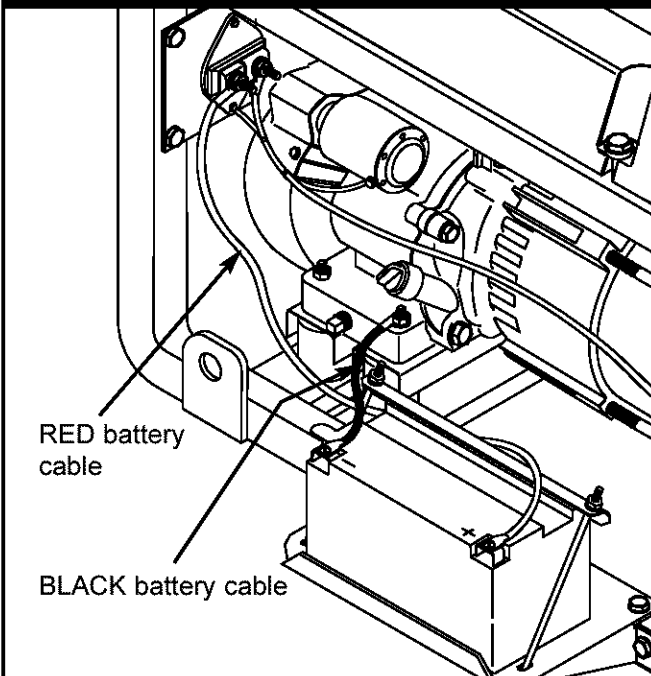




**CAUTION:** Be sure the **black** cable is connected to the engine mount and not the frame. You could damage the ground wire.

- Connect the red battery cable from the engine starter switch to **positive (+)** battery terminal (Figure 4).

Figure 4 — Battery Starting Cable Connections



- Connect the black battery cable to the **negative (-)** battery terminal (Figure 4).
- Connect the other end of the black cable to the engine, **not the frame**.

## BEFORE STARTING THE ENGINE

Perform the following tasks before trying to start the generator engine:

### Add Engine Oil

**NOTE:** In the future, When adding oil to the engine crankcase use only high quality detergent oil rated with API service classification SF and SG. Use no special additives. **DO NOT USE SAE 10W-40.**

Select the oil's viscosity grade according to your expected operating temperature:

colder	← 32°F →	warmer
5W-30		10W-30

Although multi-viscosity oils (5W30, 10W30, etc.) improve starting in cold weather, these multi-viscosity oils will result in increased oil consumption when used above 32°F. Check your engine oil level frequently to avoid possible damage from running low on oil. See the engine owner's manual for further information.

### To add oil to the engine:

- Place generator on a level surface.
- Clean area around oil fill and remove oil cap.
- Slowly add oil through the oil fill opening until it reaches the top. **DO NOT OVERFILL.**
- Install oil cap, hand tighten securely.

**CAUTION:** Any attempt to crank or start the engine before it has been properly serviced with the recommended oil will result in an engine failure.

**NOTE:** The generator's revolving field rides on a pre-lubricated and sealed ball bearing that requires no additional lubrication for the life of the bearing.

## Add Fuel

**DANGER:** NEVER fill fuel tank indoors. NEVER fill fuel tank when engine is running or hot. **Do Not** light a cigarette or smoke when filling the fuel tank.

**CAUTION:** **Do Not** overfill the fuel tank. Always allow room for fuel expansion.

### Use only regular UNLEADED gasoline.

**IMPORTANT:** 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.

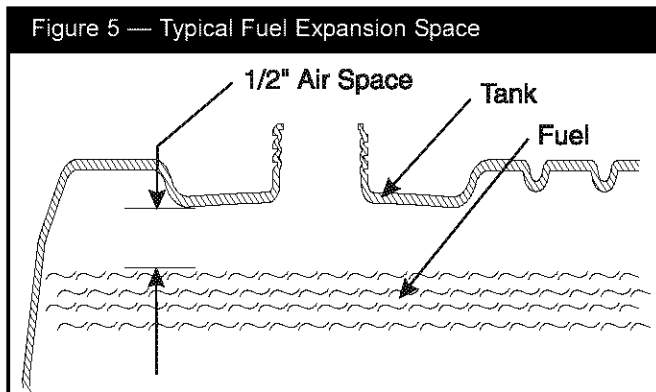


To avoid engine problems, the fuel system should be emptied before storage of 30 days or longer. Drain the gas tank, start the engine and let it run until the fuel lines and carburetor are empty. Use fresh fuel next season. See “Storage” on page 12 for additional information.

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

#### To add fuel:

- Clean area around fuel fill cap, remove cap.
- Slowly add “**UNLEADED**” regular gasoline, slowly, to fuel tank. Leave about a 1/2" space in the fuel tank for fuel expansion (Figure 5). **Do Not overfill fuel tank.**



- Install fuel cap and wipe up any spilled gasoline.

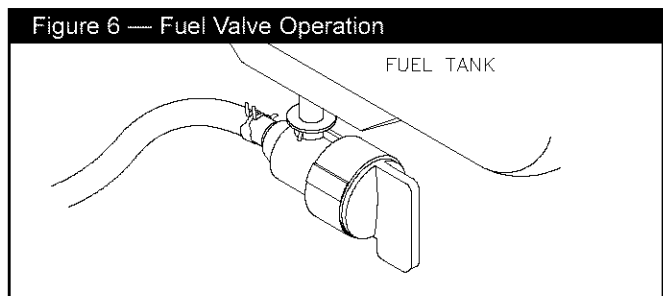
## OPERATING THE GENERATOR



**CAUTION!** Never start, or stop, the generator with electrical loads connected to the unit AND with the connected devices turned ON.

### Starting the Engine

- Disconnect **all** electrical loads from the generator.
- Open the fuel shut-off valve, as shown in Figure 6.



#### For Electric Start:

- Prepare engine for starting according to engine owner’s manual.
- Press starter switch until engine cranks and starts.

#### For Manual Start:

- Prepare engine for starting according to engine owner’s manual.
- Pull slowly on recoil handle until you feel some resistance. Then pull rapidly to start engine. Return recoil slowly, **Do Not** let it “snap back”.

Refer to the engine owner’s manual for complete starting instructions.

### Applying Electrical Loads

- Let engine stabilize and warm up for about five minutes after starting.
- Plug in and turn on the desired 120 or 240 Volt AC, single phase, 60 Hz electrical loads. **DO NOT OVERLOAD THE GENERATOR.** The total rated watts (or amps) of all loads to be connected at one time should not be greater than the rated wattage/ampere capacity of the generator. See “Don’t Overload the Generator” on page 11.

### Stopping the Engine

- Disconnect **all** electrical loads.
- Run engine at no-load for a few minutes to stabilize unit’s internal temperatures.
- Turn off engine according to engine owner’s manual.
- Close the fuel shut-off valve.



## Operating Automatic Idle Control

This switch is designed to greatly improve fuel economy. When this switch is turned **ON**, the engine will only run at its normal high governed engine speed when an electrical load is connected. When an electrical load is removed, the engine will run at a reduced speed. With the switch **OFF**, the engine will run at the normal high engine speed. **Always have the switch OFF when starting and stopping the engine.**

## Battery Safety



**DANGER:** Storage batteries give off explosive hydrogen gas while recharging. An explosive mixture will remain around the battery for a long time after it has been charged. The slightest spark can ignite the hydrogen and cause an explosion, which can shatter the battery and cause blindness or other injury.



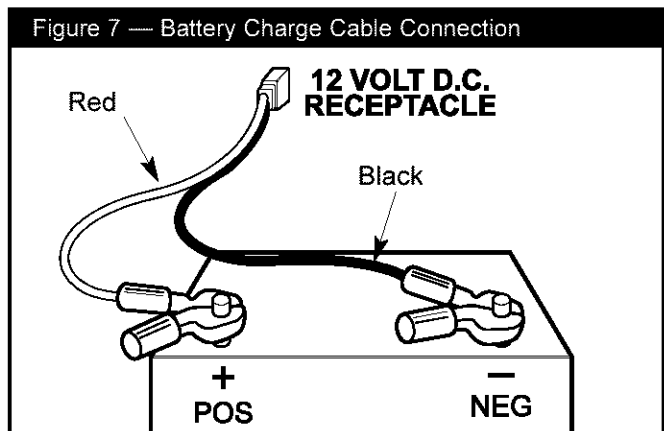
**DANGER:** Do Not permit smoking, open flame, sparks or any other source of heat around a battery. Wear protective goggles, rubber apron and rubber gloves when working around a battery. Battery electrolyte fluid is an extremely caustic sulfuric acid solution that can cause severe burns. If spill occurs flush area with clear water immediately.

## Charging a Battery

Your generator has the capability of recharging a discharged 12 Volt automotive or utility style storage battery. **Do Not** use the unit to charge any 6 Volt batteries. **Do Not** use the unit to crank an engine having a discharged battery.

To recharge 12 Volt batteries, proceed as follows:

- Check fluid level in all battery cells. If necessary, add **ONLY** distilled water to cover separators in battery cells. **Do Not use tap water.**
- If the battery is equipped with vent caps, make sure they are installed and are tight.
- If necessary, clean battery terminals.
- Connect battery charge cable connector plug to panel receptacle identified by the words "12-VOLTS D.C."
- Connect battery charge cable clamp with **red** handle to the **positive (+)** battery terminal (Figure 7).



- Connect battery charge cable clamp with **black** handle to the **negative (-)** battery terminal, (Figure 7).

- Start engine. Let the engine run while battery recharges.

- When battery has charged, shut down engine

**NOTE:** Use an automotive hydrometer to test battery state of charge and condition. Follow the hydrometer manufacturer's instructions carefully. Generally, a battery is considered to be at 100% state of charge when specific gravity of its fluid (as measured by hydrometer) is 1.260 or higher.





## COLD WEATHER OPERATION

Under certain weather conditions (temperatures below 40°F [4°C] and a high dew point), your Generac generator may experience icing of the carburetor and/or the crankcase breather system.

In an emergency, use the original shipping box as a temporary shelter:

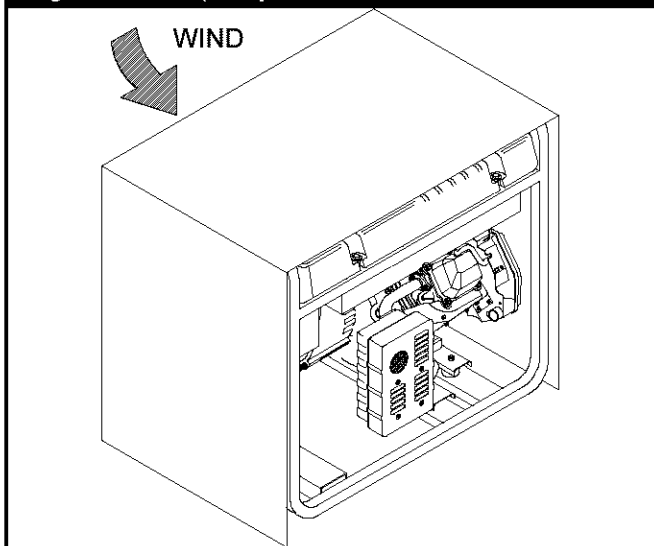
- Cut off all flaps.
- Cut out one of the long sides of the box to expose exhaust side of unit. Ensure a minimum of two feet clearance between open side of box and nearest object.
- Cut appropriate slots to access receptacles and clear handles.
- Start unit, then place box over it.

**IMPORTANT!:** Remove shelter when temperature is above 40°F [4°C].

For a more permanent shelter, build a structure that will enclose three sides and the top of the generator:

- Make sure entire muffler-side of generator is exposed. Note that your generator may appear different from that shown in Figure 8.

Figure 8 — Temporary Cold Weather Shelter



- Ensure a minimum of two feet clearance between open side of box and nearest object.
- Face exposed end away from wind and elements.
- Enclosure should hold enough heat created by the generator to prevent problems.



**CAUTION:** NEVER run unit indoors; **Do Not** enclose generator any more than shown. Remove shelter when temperatures are above 40°F [4°C].

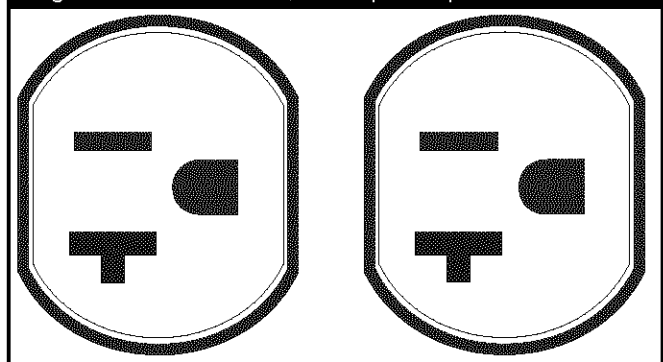
## CORD SETS/RECEPTACLES

This generator is equipped with the following receptacles:

### 120 Volt AC, 20 Amp Receptacle

This outlet is protected against overload by a 20 Amp push-to-reset circuit breaker.

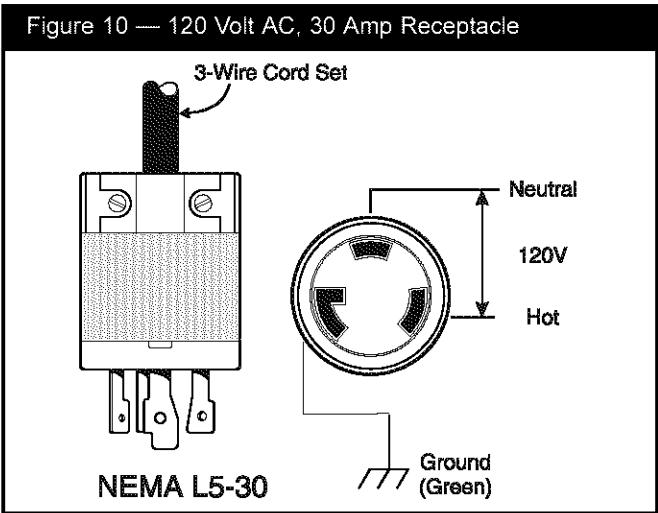
Figure 9 — 120 Volt AC, 20 Amp Receptacles



Use each socket to operate 120 Volt AC, single phase 60 Hz electrical loads requiring up to 2400 watts (2.4 kW) at 20 Amps (Figure 9). Use cord sets that are rated for 125 Volt loads at 20 Amps (or greater).

### 120 Volt AC, 30 Amp Locking Receptacle

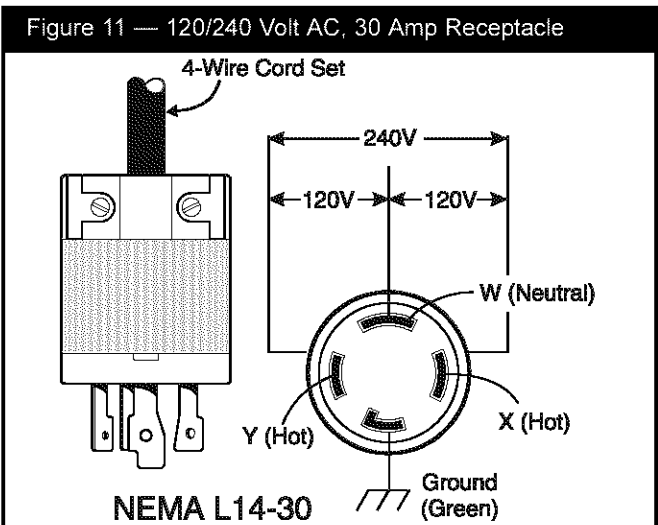
Use a NEMA L5-30 plug with this receptacle. Connect a 3-wire cord set rated for 125 Volt AC loads at 30 Amps to the plug (Figure 10).



Use this receptacle to operate 120 Volt AC, 60 Hz, single phase loads requiring up to 3600 watts (3.6 kW) of power at 30 Amps. The outlet is protected by a 30 Amp push-to-reset circuit breaker.

### 120/240 Volt AC, 30 Amp Locking Receptacle

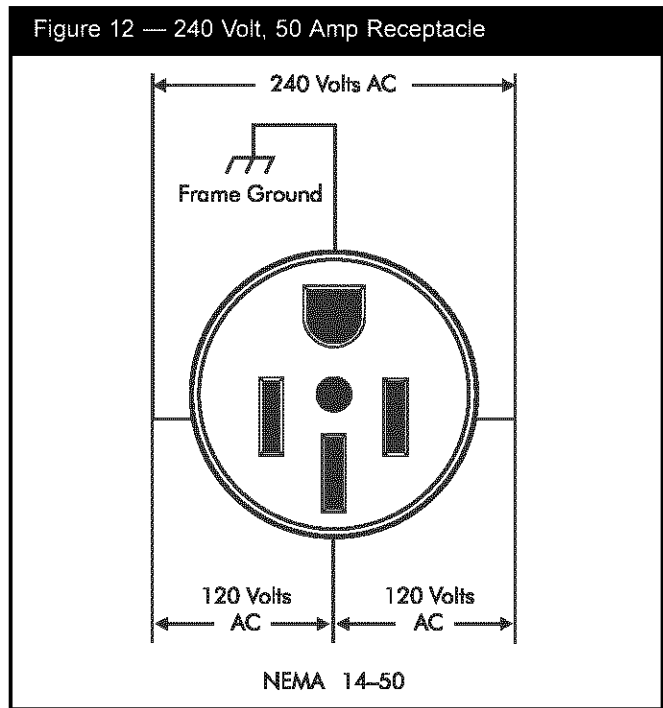
Use a NEMA L14-30 plug with this receptacle. Connect a 4-wire cord set rated for 250 Volt AC loads at 30 Amps or greater. You can use the same 4-wire cord if you plan to run a 120 Volt load (Figure 11).



This receptacle powers 120 Volt AC, single phase, 60 Hz loads requiring up to 3,600 watts of power (3.6 kW). Or it will operate 240 Volt AC, single phase, 60 Hz loads up to 7,200 watts (7.2 kW). The outlet is protected by a 30 Amp push-to-reset circuit breaker.

### 240 Volt AC, 50 Amp Receptacle

Use a NEMA 14-50 plug with this receptacle. Connect a 4-wire cord set rated for 240 Volt AC loads at 50 Amps to the plug (Figure 12).



Use this receptacle to operate 240 Volt AC, 60 Hz, single phase loads requiring up to 7,500 watts (7.5 kW) of power.



**CAUTION!** Although this outlet states it has a 250 Volt 50 Amp rating (up to 12,500 watts), the generator is only rated for 7,500 Watts. Powering loads that exceed the wattage/ amperage capacity of the generator can damage it or cause serious injuries. 240 Volt loads powered through this outlet should not exceed 31.2 Amps of current draw.



## DON'T OVERLOAD THE GENERATOR

Overloading a generator in excess of its rated wattage capacity can result in damage to generator and to connected electrical devices. Observe the following, to prevent overloading the unit:

- Add up the total wattage of all electrical devices to be connected at one time. This total should **NOT** be greater than the generator's wattage capacity.
- The rated wattage of lights can be taken from light bulbs. The rated wattage of tools, appliances and motors can usually be found on a data plate or decal affixed to the device.
- If the appliance, tool or motor does not give wattage, multiply volts times ampere rating to determine watts (volts x amps = watts).
- Some electric motors, such as induction types, require about three times more watts of power for starting than for running. This surge of power lasts for only a few seconds when starting such motors. Be sure you allow for this high starting wattage when selecting electrical devices to connect to your generator. First figure the watts needed to start the largest motor. Add to that figure the running watts of all other connected loads.
- The Wattage Guide shown in Figure 13 is provided to help you to determine how many items the generator can operate at one time.

Figure 13 — Wattage Reference Guide

Device	Running Watts	Device	Running Watts
*Air Conditioner (12,000 Btu)	1700	Hedge Trimmer	450
*Air Conditioner (24,000 Btu)	3800	Impact Wrench	500
*Air Conditioner (40,000 Btu)	6000	Iron	1200
Battery Charger (20 Amp)	500	*Jet Pump	800
Belt Sander (3")	1000	Lawn Mower	1200
Chain Saw	1200	Light Bulb	100
Circular Saw (6-1/2")	800 to 1000	Microwave Oven	700 to 1000
*Clothes Dryer (Electric)	5750	*Milk Cooler	1100
*Clothes Dryer (Gas)	700	Oil Burner on Furnace	300
*Clothes Washer	1150	Oil Fired Space Heater (140,000 Btu)	400
Coffee Maker	1750	Oil Fired Space Heater (85,000 Btu)	225
*Compressor (1 HP)	2000	Oil Fired Space Heater (30,000 Btu)	150
*Compressor (3/4 HP)	1800	*Paint Sprayer, Airless (1/3 HP)	600
*Compressor (1/2 HP)	1400	Paint Sprayer, Airless (handheld)	150
Curling Iron	700	Radio	50 to 200
*Freezer	700	*Refrigerator	700
*Dehumidifier	650	Slow Cooker	200
Disc Sander (9")	1200	*Submersible Pump (1-1/2 HP)	2800
Edge Trimmer	500	*Submersible Pump (1 HP)	2000
Electric Blanket	400	*Submersible Pump (1/2 HP)	1500
Electric Nail Gun	1200	*Sump Pump	800 to 1050
Electric Range (per element)	1500	*Table Saw (10")	1750 to 2000
Electric Skillet	1250	Television	200 to 500
*Furnace Fan (3/5 HP)	875	Toaster	1000 to 1650
*Garage Door Opener	500 to 750	Weed Trimmer	500
Hair Dryer	1200		
Hand Drill	250 to 1100		

\* Allow 3 times the listed watts for starting these devices.



## GENERAL MAINTENANCE RECOMMENDATIONS

The Owner/Operator is responsible for making sure that all periodic maintenance tasks are completed on a timely basis; that all discrepancies are corrected; and that the unit is kept clean and properly stored. **Never operate a damaged or defective generator.**

### Engine Maintenance

See engine manual for instructions.

### Generator Maintenance

Generator maintenance consists of keeping the unit clean and dry. Operate and store the unit in a clean dry environment where it will not be exposed to excessive dust, dirt, moisture or any corrosive vapors. Cooling air slots in the generator must not become clogged with any foreign material.

Check the cleanliness of the generator frequently and clean when dust, dirt, oil, moisture or other foreign substances are visible on its exterior surface.

**NOTE: Do Not** use a garden hose to clean generator. Water can enter engine fuel system and cause problems. In addition, if water enters generator through cooling air slots, some of the water will be retained in voids and cracks of the rotor and stator winding insulation. Water and dirt buildup on the generator internal windings will eventually decrease the insulation resistance of these windings.

### To Clean the Generator

- Use a damp cloth to wipe exterior surfaces clean.
- A soft bristle brush may be used to loosen caked-on dirt or oil.
- A vacuum cleaner may be used to pick up loose dirt and debris.
- Low pressure air (not to exceed 25 psi) may be used to blow away dirt. Inspect cooling air slots and opening on generator.

## SERVICE/ADJUSTMENTS

Refer to engine owner's manual for information.

## STORAGE

The generator should be started at least once every seven days and allowed to run at least 30 minutes. If this cannot be done and you must store the unit for more than 30 days, use the following guidelines to prepare it for storage.

- Clean the generator as outlined in "To Clean the Generator."
- Check that cooling air slots and openings on generator are open and unobstructed.
- Disconnect the negative battery cable from the battery.



**DANGER:** Storage covers can be flammable. **Do Not** place a storage cover over a hot generator. Let the unit cool for a sufficient time before placing the cover on the unit.

### Engine Storage

See engine owner's manual for instructions on how to properly store the engine.

### Other Storage Tips

- **Do Not** store gasoline from one season to the next.
- Replace your gasoline can if it starts to rust. Rust and/or dirt in a gasoline can cause problems when you use that fuel with this unit.
- Store unit in clean and dry area.

## SPECIFICATIONS

Rated Maximum Continuous	
AC Power Output .....	7500 watts (7.5 kW)
Rated Voltage.....	120/240 Volts
Rated Maximum AC Current	
at 120 Volts .....	62.5 Amps
at 240 Volts .....	31.2 Amps
Phase .....	1
Rated AC Frequency.....	60 Hertz
Number of Rotor Poles.....	2
Driven Speed of Rotor.....	3600 rpm

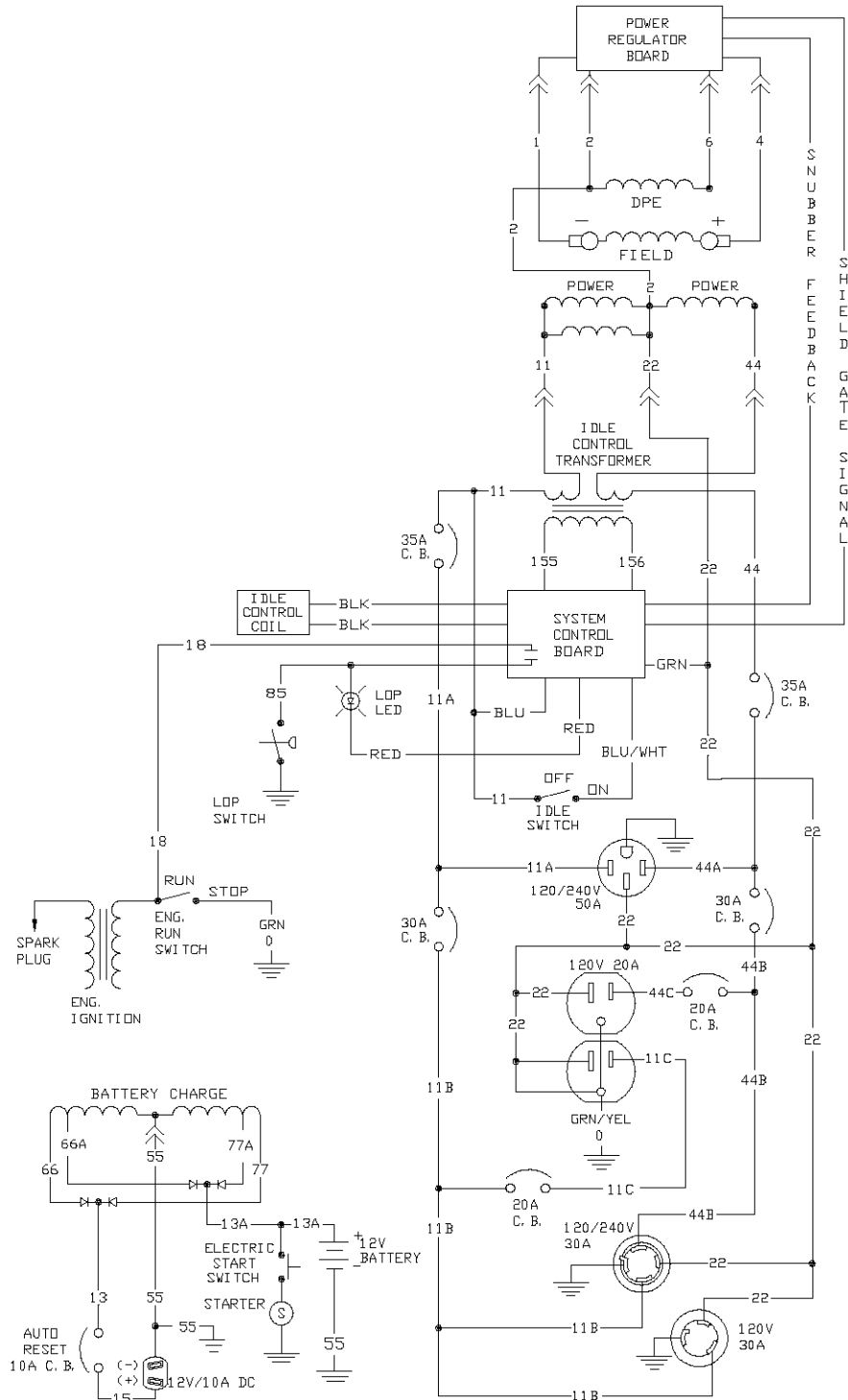


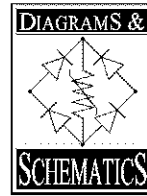
## TROUBLESHOOTING

Problem	Cause	Solution
<b>Engine is running, but no AC output is available.</b>	<ol style="list-style-type: none"> <li>1. Circuit breaker is open.</li> <li>2. Poor connection or defective cord set.</li> <li>3. Connected device is bad.</li> <li>4. Fault in generator.</li> </ol>	<ol style="list-style-type: none"> <li>1. Reset circuit breaker.</li> <li>2. Check and repair.</li> <li>3. Connect another device that is in good condition.</li> <li>4. Contact Generac service facility.</li> </ol>
<b>Engine runs good but bogs down when loads are connected.</b>	<ol style="list-style-type: none"> <li>1. Short circuit in a connected load.</li> <li>2. Generator is overloaded.</li> <li>3. Engine speed is too slow.</li> <li>4. Shorted generator circuit.</li> </ol>	<ol style="list-style-type: none"> <li>1. Disconnect shorted electrical load.</li> <li>2. See "Don't Overload the Generator" on page 11.</li> <li>3. Contact Generac service facility.</li> <li>4. Contact Generac service facility.</li> </ol>
<b>Engine will not start; or starts and runs rough.</b>	<ol style="list-style-type: none"> <li>1. Run/Stop switch set to "Stop".</li> <li>2. Dirty air cleaner.</li> <li>3. Out of gasoline.</li> <li>4. Stale gasoline.</li> <li>5. Spark plug wire not connected to spark plug.</li> <li>6. Bad spark plug.</li> <li>7. Water in gasoline.</li> <li>8. Overchoking.</li> <li>9. Low oil level.</li> <li>10. Excessively rich fuel mixture.</li> <li>11. Intake valve stuck open or closed.</li> <li>12. Engine has lost compression.</li> </ol>	<ol style="list-style-type: none"> <li>1. Set switch to "Run".</li> <li>2. Clean or replace air cleaner.</li> <li>3. Fill fuel tank.</li> <li>4. Drain gas tank and fill with fresh fuel.</li> <li>5. Connect wire to spark plug.</li> <li>6. Replace spark plug.</li> <li>7. Drain gas tank; fill with fresh fuel.</li> <li>8. Put choke lever at "No Choke" position.</li> <li>9. Fill crankcase to proper level.</li> <li>10. Contact Generac service facility.</li> <li>11. Contact Generac service facility.</li> <li>12. Contact Generac service facility.</li> </ol>
<b>Engine shuts down during operation.</b>	<ol style="list-style-type: none"> <li>1. Out of gasoline.</li> <li>2. Low oil level.</li> <li>3. Fault in engine.</li> </ol>	<ol style="list-style-type: none"> <li>1. Fill fuel tank.</li> <li>2. Fill crankcase to proper level.</li> <li>3. Contact Generac service facility.</li> </ol>
<b>Engine lacks power.</b>	<ol style="list-style-type: none"> <li>1. Load is too high.</li> <li>2. Dirty air filter.</li> <li>3. Engine needs to be serviced.</li> </ol>	<ol style="list-style-type: none"> <li>1. See "Don't Overload the Generator" on page 11.</li> <li>2. Replace air filter.</li> <li>3. Contact Generac service facility.</li> </ol>
<b>Engine "hunts" or falters.</b>	<ol style="list-style-type: none"> <li>1. Choke is opened too soon.</li> <li>2. Carburetor is running too rich or too lean.</li> </ol>	<ol style="list-style-type: none"> <li>1. Move choke to halfway position till engine runs smoothly.</li> <li>2. Contact Generac service facility.</li> </ol>

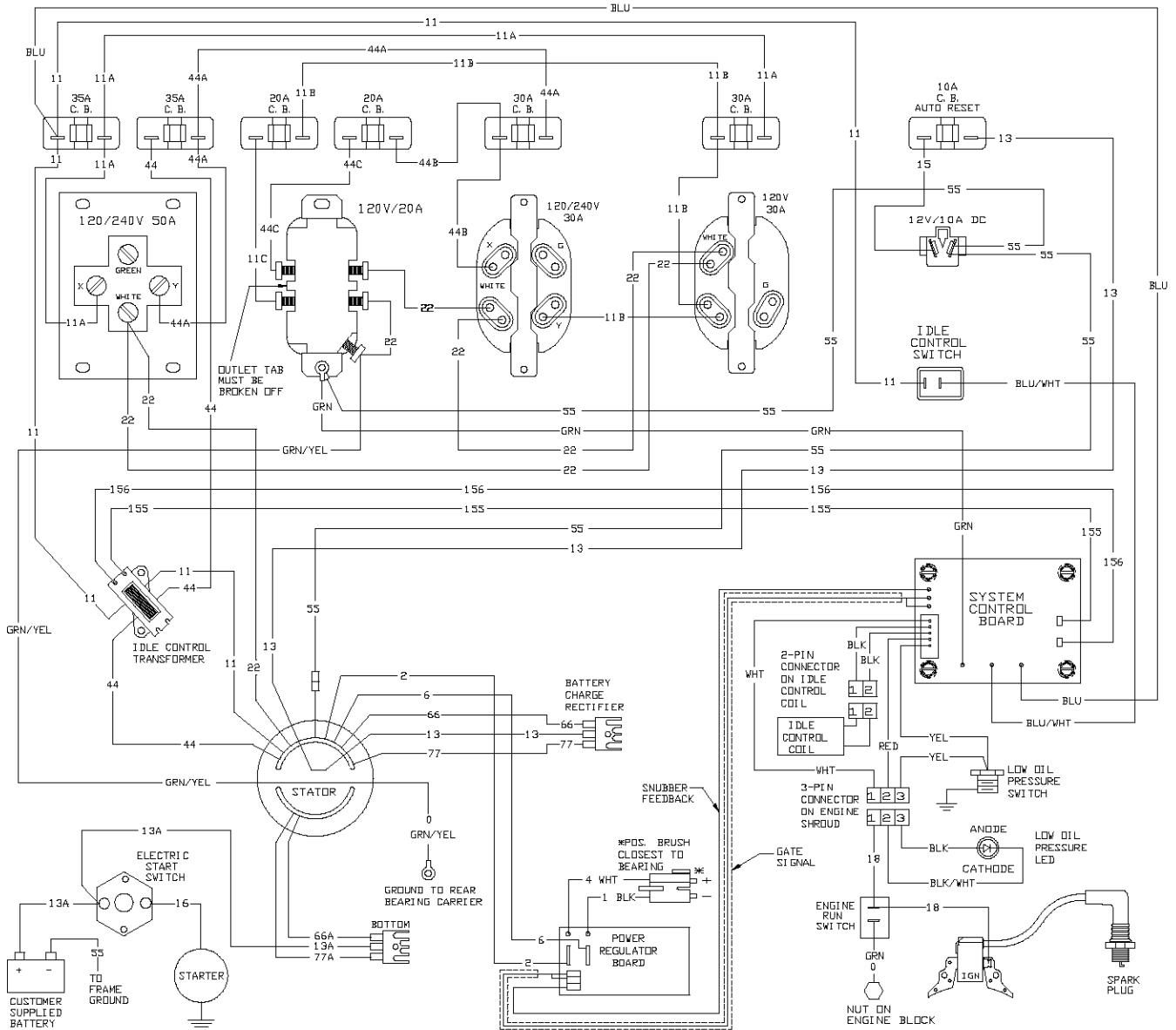


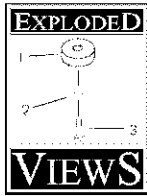
# SCHEMATIC DIAGRAM



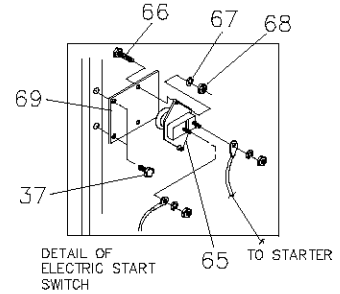
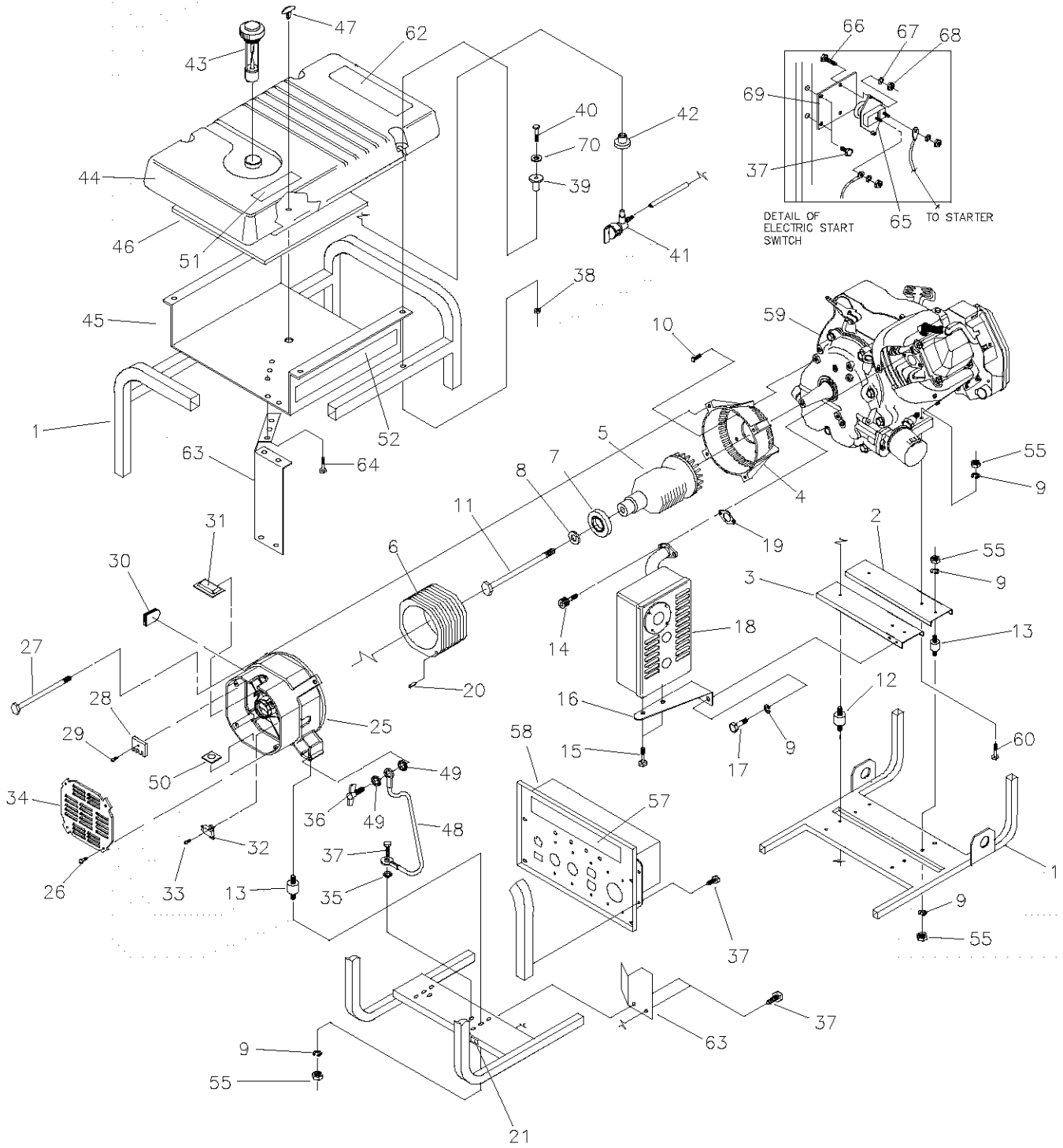


# WIRING DIAGRAM

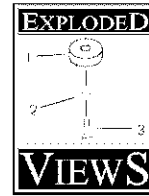




# MAIN UNIT EXPLODED VIEW

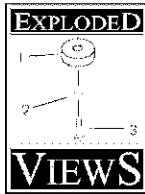




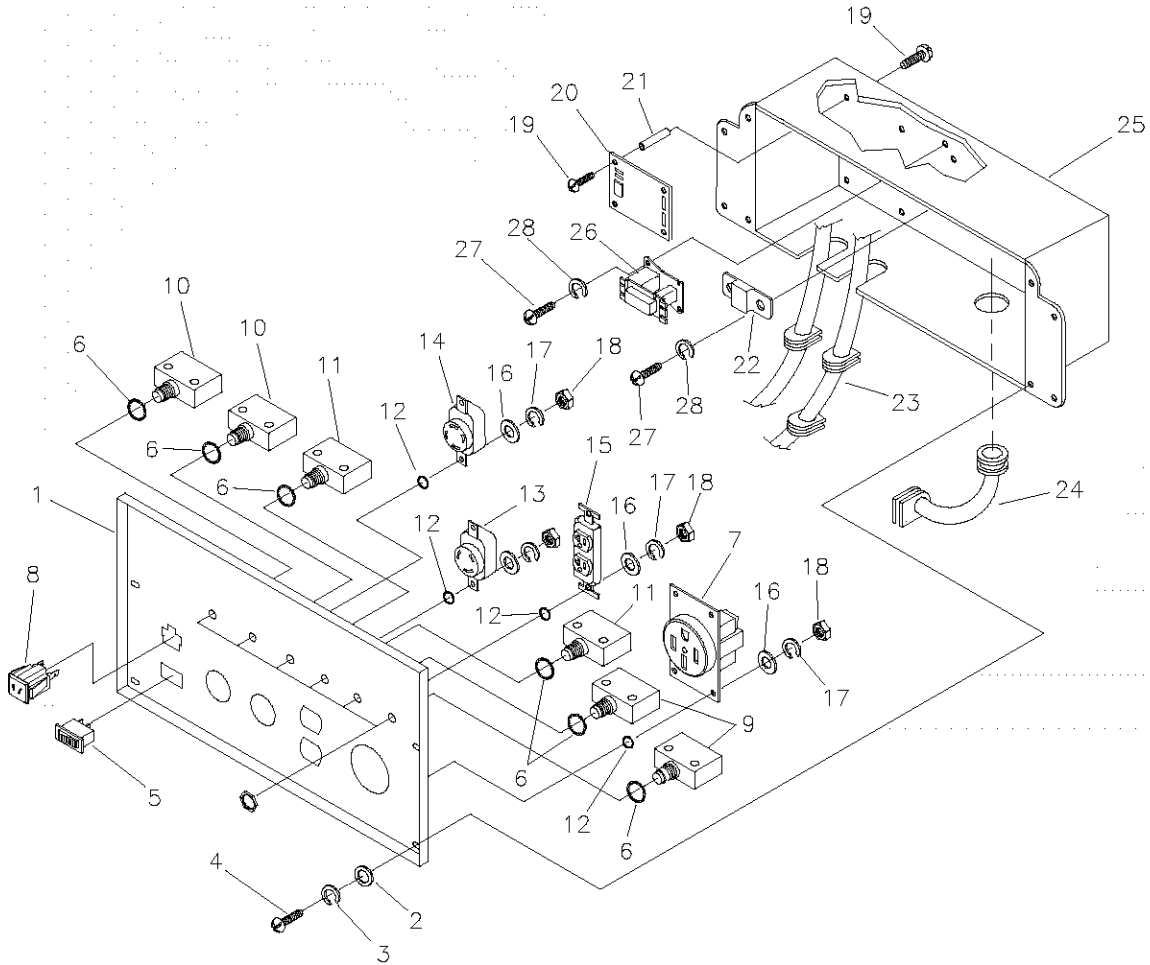


## MAIN UNIT PARTS LIST

Item	Part #	Qty.	Description	Item	Part #	Qty.	Description
1	A92432	1	CRADLE	43	B4363	1	CAP, with Gauge, Fuel
2	A92531	1	SUPPORT, Engine	44	B1998	1	TANK, Fuel
3	A92731	1	SUPPORT, Engine & Muffler	45	B92039	1	SHIELD, Heat
4	92247	1	HOUSING, Engine Adapter	46	92665	1	INSULATION, #2-1/4" Thick
5	B1342G	1	ASSEMBLY, Rotor	47	85000	1	CLIP, Insulation
6	B1897G	1	ASSEMBLY, Stator	48	14353621	1	WIRE, Ground
7	65791	1	BEARING	49	26850	2	LW, EXT, Shakeproof M6
8	67451	1	WASHER, Special Flat - M8	50	57593	1	MOUNT, Cable Tie
9	22129	12	WASHER, Lock - M8	51	92982	1	DECAL, Danger
10	86307	4	HHMS, 5/16-24 x 3/4 SEMS	52	B4569	2	DECAL, Heat Shield
11	47481	1	HHCS, 5/16-24 x 10.625	55	25244	12	NUT, 5/16-18 Hex
12	92609	2	MOUNT, Vibration	57	B4569	1	DECAL, Control Panel
13	82857	4	MOUNT, Vibration	58	B4366	1	ASSEMBLY, Control Box
14	40976	2	SCREW, M8 - 1.25 x 20	59	NSP	1	ENGINE
15	66476	2	CAPSCREW, M6 - 1.0 x 12mm	60	22531	2	HHCS, 5/16-18 x 1-3/4"
16	92532	1	BRACKET, Muffler	62	93826	1	DECAL, Start Instructions
17	22142	2	SCREW, 5/16 - 18 x 3/4	63	B96068	1	SHIELD, Heat
18	91153	1	MUFFLER	64	56893	5	CRIMPTITE, 10-24 x 1/2
19	90239	1	GASKET, Muffler	65	77282	1	SWITCH, Starter
20	81917	1	PIN, Roll 4mm x 10	66	22287	2	SCREW, 1/4 - 20 x 3/4
21	B4986	1	DECAL, Ground	67	22097	2	LOCKWASHER, M6
25	66825C	1	CARRIER, Rear Bearing	68	22127	2	NUT, 1/4 - 20 Hex
26	74908	4	TAPTITE, M5-0.8 x 10	69	78289	1	BRACKET, Starter Switch
27	66449L	4	BOLT, Stator M6-1 x 190mm	70	22473	4	WASHER, M6 Flat
28	65795	2	RECTIFIER, Battery Charge	<b>Parts Not Illustrated</b>			
29	66849C	1	TAPTITE, M5-0.8 x 30	A96923	1	Tray, Battery	
30	67022	1	GROMMET, Rubber	96924	2	J-Bolt, M8 - 1.25	
31	84132	1	ASSEMBLY, Power Regulator	22129	2	Lockwasher	
32	66386	1	ASSEMBLY, Brush Holder	45771	2	Hex nut M8	
33	66849	2	TAPTITE, M5-0.8 x 16	22145	2	Flat Washer	
34	B78388	1	COVER, Bearing Carrier	15453621	1	Cable, Positive Battery	
35	22769	1	WASHER, Shakeproof Int. #10	15553621	1	Cable, Negative Battery	
36	86494	1	SCREW, M6-1.0 x 16 Wing	37806	1	120V 30 A plug	
37	B2153	9	HHCS, - #10 Self Driller	43438	1	120/240V 30 A plug	
38	77395	4	NUT, Flange Lock - M6	65787	1	Cable, Battery Charge	
39	83465	4	GROMMET, Tank	A96925	1	Bracket, Tie Down	
40	57058	4	HHMS, M6-1.0 x 55	B4594	1	Manual, owner's	
41	80270	1	VALVE, Tank	72347	1	Spark Plug	
42	78299	1	BUSHING, Tank	73111	1	Air Cleaner Element	
				84882	1	Spark Plug Wrench	



## CONTROL PANEL EXPLODED VIEW AND PARTS LIST



Item	Part #	Qty.	Description	Item	Part #	Qty.	Description
1	BB4461	1	PANEL, Control	15	68759	1	OUTLET, 20A, 120V
2	23897	4	WASHER, #10 M5 Flat	16	43180	10	WASHER, M4 Flat
3	49226	4	WASHER, M5 Lock	17	22264	10	WASHER, #8 M4 Lock
4	91526	4	SCREW, M5-0.8 x 12 mm	18	51715	10	NUT, M4 - 0.7 Hex
5	82538	1	SWITCH, Idle Control	19	64526	8	SCREW, #6-32 x 3/8"
6	82881	6	WASHER, 7/16" Int. Lock	20	83970	1	BOARD, System Control
7	B4262	1	OUTLET, 50A, 240V	21	64525	4	3/4" Hex Standoff
8	90418	1	OUTLET, 10A, 12VDC	22	87962	1	CIRCUIT BREAKER, 10A (automatic), 12V
9	75207N	2	CIRCUIT BREAKER, 35 Amp	23	84335	1	ASSEMBLY, Wire Harness
10	75207A	2	CIRCUIT BREAKER, 30 Amp	24	84134	1	GROMMET, Rubber
11	75207	2	CIRCUIT BREAKER, 20 Amp	25	B92069	1	BOX, Control Panel
12	23365	10	WASHER, #8 Shakeproof	26	84028	1	TRANSFORMER, Idle Control
13	68868	1	OUTLET, 30A, 120V Locking	27	43181	4	SCREW, M3 - 0.5 x 10 mm
14	43437	1	OUTLET, 30A, 120V/240V Locking	28	43182	4	WASHER, M3 Lock



# LIMITED WARRANTY

## FOR "GN" ENGINE DRIVEN PORTABLE GENERATORS

GENERAC PORTABLE PRODUCTS (hereafter referred to as the COMPANY) warrants to the original purchaser that the alternator and control panel for its portable generator will be free from defects in materials or workmanship for the items and period set forth below from the date of original purchase. This warranty is not transferable and applies only to portable generators driven by a GN-Series engine. This warranty does not apply to starting battery, rechargeable flashlight or battery charger.

	<b>Consumer*</b>	<b>Commercial*</b>
Alternator	2 years (2nd year parts only)	1 year
Engine	Warranted solely by the engine manufacturer	

***With the exception of European Community Countries, all units bound for export shall be warranted for One (1) Year in Consumer applications, and 90 days in Commercial applications as defined below.***

**\*NOTE: For the purpose of this warranty "consumer use" means personal residential household use by original purchaser. This warranty does not apply to units used for Prime Power in place of utility. "Commercial Use" means all other uses, including rental, construction, commercial and income producing purposes. Once a generator has experienced commercial use, it shall thereafter be considered a commercial use generator for the purposes of this warranty.**

During said warranty period, the COMPANY will, at its option, repair or replace any part which, upon examination by the COMPANY, is found to be defective under normal use and service\*\*. Starting batteries are not warranted by the COMPANY. All transportation costs under warranty, including return to the factory if necessary, are to be borne by the purchaser and prepaid by the purchaser. This warranty does not cover normal maintenance and service and does not apply to a generator set, alternator, or parts which have been subjected to improper or unauthorized installation or alteration, misuse, negligence, accident, overloading, overspeeding, improper maintenance, repair or storage so as, in the COMPANY's judgement, to adversely affect its performance and reliability.

**\*\*NORMAL WEAR: As with all mechanical devices, the generator need periodic parts service and replacement to perform well. This warranty will not cover repair when normal use has exhausted the life of a part or generator.**

THERE IS NO OTHER EXPRESS WARRANTY. THE COMPANY HEREBY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE TO THE EXTENT PERMITTED BY LAW. THE DURATION OF ANY IMPLIED WARRANTIES WHICH CANNOT BE DISCLAIMED IS LIMITED TO THE TIME PERIOD AS SPECIFIED IN THE EXPRESS WARRANTY. LIABILITY FOR CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES UNDER ANY AND ALL WARRANTIES IS EXCLUDED. THE COMPANY ALSO DISCLAIMS ANY RESPONSIBILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, SUCH AS THE LOSS OF TIME OR THE USE OF THE POWER EQUIPMENT, OR ANY COMMERCIAL LOSS DUE TO THE FAILURE OF THE EQUIPMENT: AND ANY IMPLIED WARRANTIES ARE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.

For service, see your nearest COMPANY authorized warranty service facility or call 1-877-544-0982. Warranty service can be performed only by a COMPANY authorized service facility. This warranty will not apply to service at any other facility. At the time of requesting warranty service, evidence of original purchase date must be presented.

**GENERAC PORTABLE PRODUCTS**  
Jefferson, Wisconsin 53549