

POWER STROKE™

OPERATOR'S MANUAL

MANUAL DEL OPERADOR

2,500 WATT GENERATOR

GENERADOR 2 500 WATTS

PS902500
Series/Serie

NOTICE

AVISO

Do not use E15 or E85 fuel (or fuel containing greater than 10% ethanol) in this product. It is a violation of federal law and will damage the unit and void your warranty.



No utilice combustibles E15 o E85 (ni combustibles que contengan más de 10 % de etanol) con este producto. Esto constituye una violación a la ley federal, dañará la unidad y anulará la garantía.

To register your POWERSTROKE product, please visit: <http://register.powerstroketools.com/>

Para registrar su producto de POWERSTROKE, por favor visita: <http://register.powerstroketools.com/>

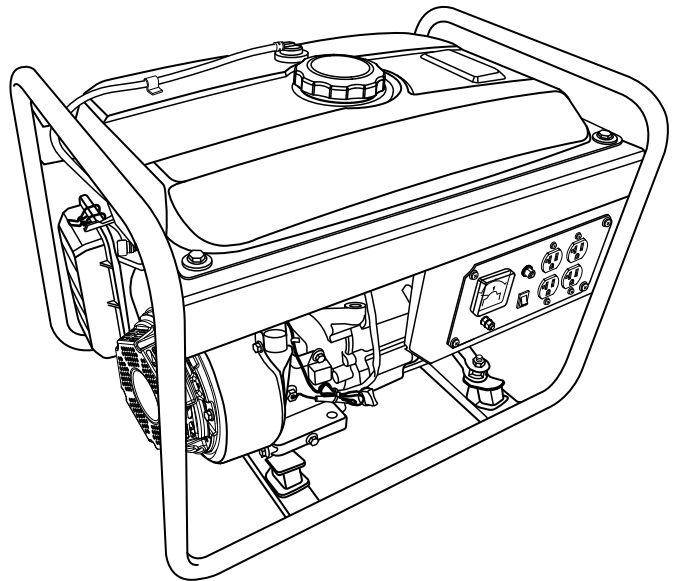
CUSTOMER SERVICE

SERVICIO AL CLIENTE

USA: 1-877-617-3501

Mexico: 01 800 843 1111

www.powerstroketools.com



NEUTRAL FLOATING

PUNTO NEUTRO FLOTANTE

Your generator has been engineered and manufactured to our high standard for dependability, ease of operation, and operator safety. When properly cared for, it will give you years of rugged, trouble-free performance.

⚠ WARNING: To reduce the risk of injury, the user must read and understand the operator's manual before using this product. If you do not understand the warnings and instructions in the operator's manual, do not use this product.

Thank you for your purchase.

SAVE THIS MANUAL FOR FUTURE REFERENCE

Su generador diseñado y fabricado de conformidad con nuestras estrictas normas para brindar fiabilidad, facilidad de uso y seguridad para el operador. Con el debido cuidado, le brindará muchos años de sólido funcionamiento y sin problemas.

⚠ ADVERTENCIA: Para reducir el riesgo de lesiones, el usuario debe leer y comprender el manual del operador antes de usar este producto. Guarde este manual del operador y estúdielo frecuentemente para lograr un funcionamiento seguro y continuo de este producto.

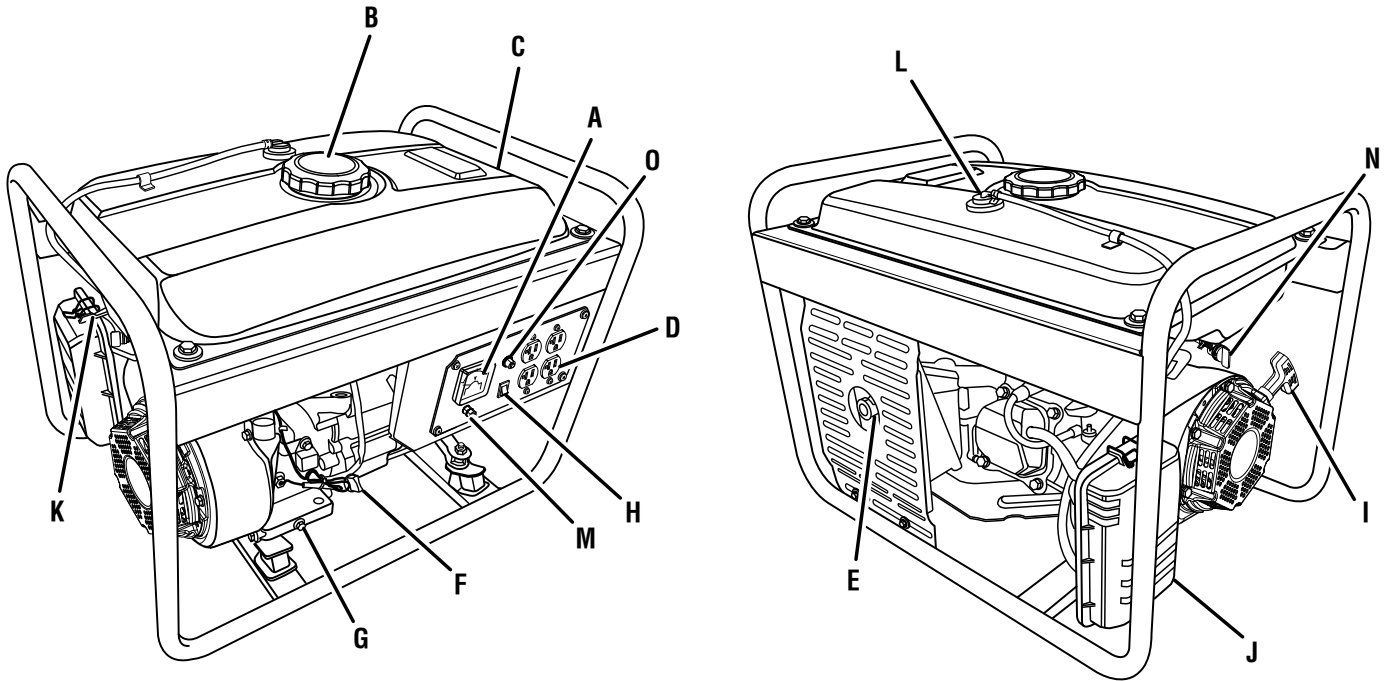
Le agradecemos su compra.

GUARDE ESTE MANUAL PARA FUTURAS CONSULTAS

See this fold-out section for all of the figures referenced in the operator's manual.

Consulte esta sección desplegable para ver todas las figuras a las que se hace referencia en el manual del operador.

Fig. 1

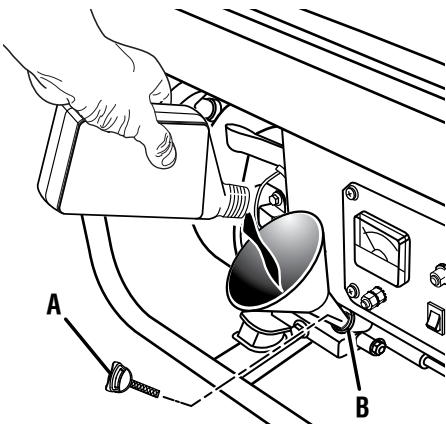


- A - Analog voltage meter (contador de voltaje análogo)
- B - Fuel cap (tapa del tanque de combustible)
- C - Fuel tank (tanque de combustible)
- D - 120 volt AC 20 amp receptacles (120 V de CA 20 A receptáculos)
- E - Muffler (silenciador)

- F - Oil cap/dipstick (tapa de relleno de aceite / varilla medidora de aceite)
- G - Oil drain plug (perno de drenaje de aceite)
- H - Stop switch (interruptor del apagado)
- I - Recoil starter grip (mango del arrancador retráctil)
- J - Air filter (filtro de aire)

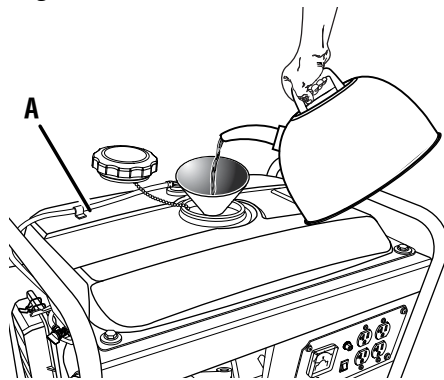
- K - Choke (anegador)
- L - Fuel tank vapor vent (respirador del vapor del tanque de combustible)
- M - Ground terminal (terminal de conexión a tierra)
- N - Fuel valve (válvula de combustible)
- O - Circuit breaker (disyuntor de circuito)

Fig. 2



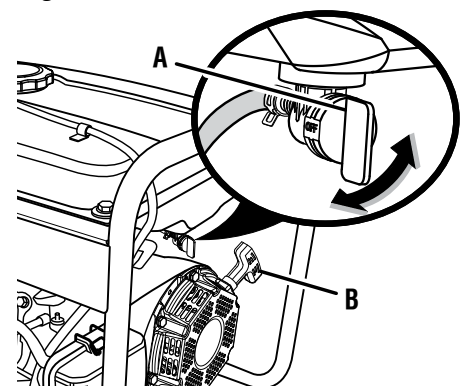
- A - Oil cap/dipstick (tapa de relleno de aceite / varilla medidora de aceite)
- B - Oil fill hole (agujero de llenado de aceite)

Fig. 3



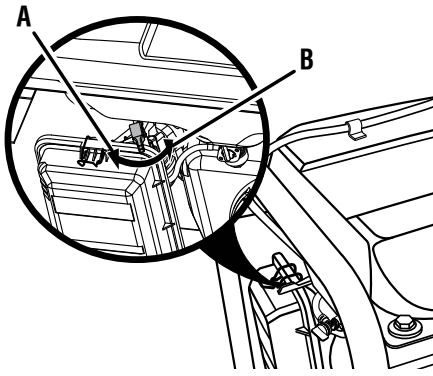
- A - Fuel tank (tanque de combustible)

Fig. 4



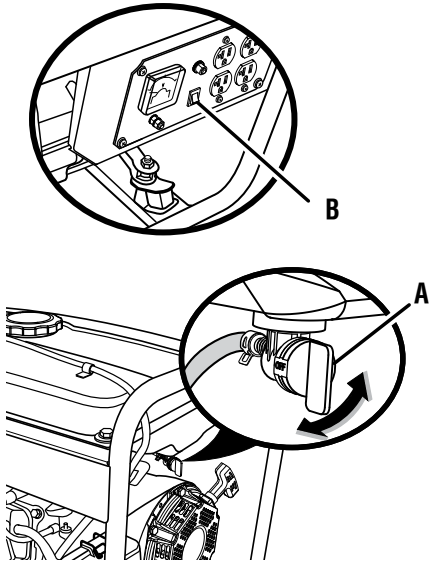
- A - Fuel valve (válvula de combustible)
- B - Recoil starter grip (mango del arrancador retráctil)

Fig. 5



A - Move choke lever left to start (desplace izquierda la palanca del anegador para arrancar)
 B - Move choke lever right to run (desplace derecha de la palanca del anegador para poner en marcha)

Fig. 6



A - Fuel valve (válvula de combustible)
 B - Stop switch (interruptor del apagado)

Fig. 7

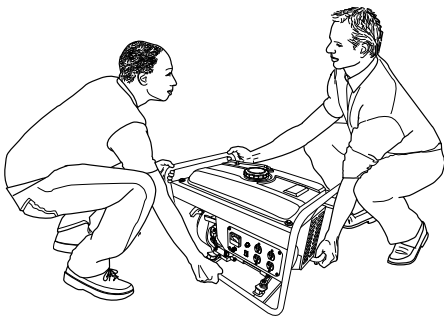
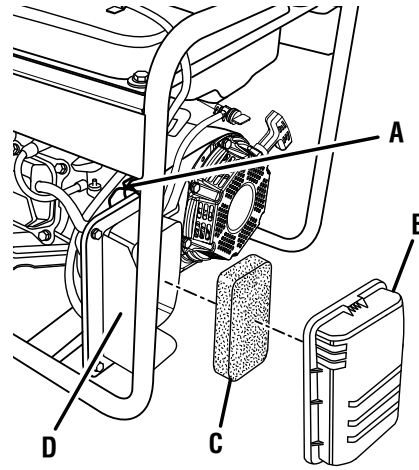
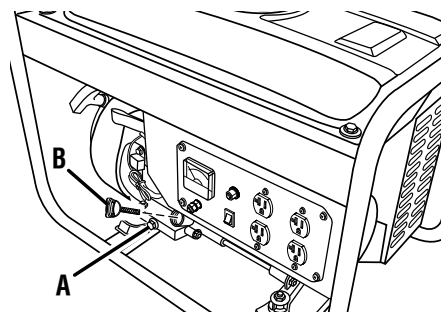


Fig. 8



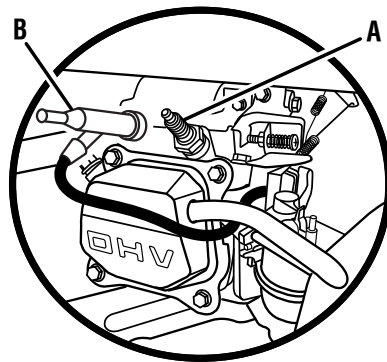
A - Air filter latch (pestituto de filtro de aire)
 B - Air filter cover (tapa del filtro de aire)
 C - Air filter (filtro de aire)
 D - Air filter unit (unidad del filtro de aire)

Fig. 9



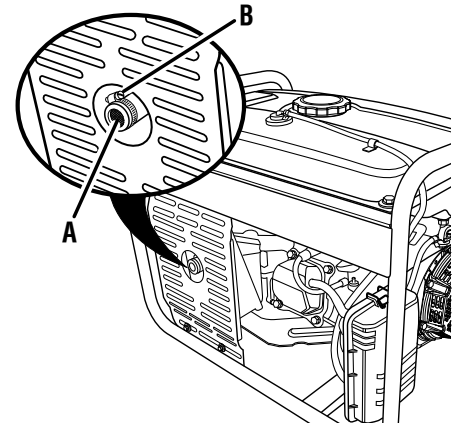
A - Oil drain plug (perno de drenaje de aceite)
 B - Oil cap/dipstick (tapa de relleno de aceite / varilla medidora de aceite)

Fig. 10



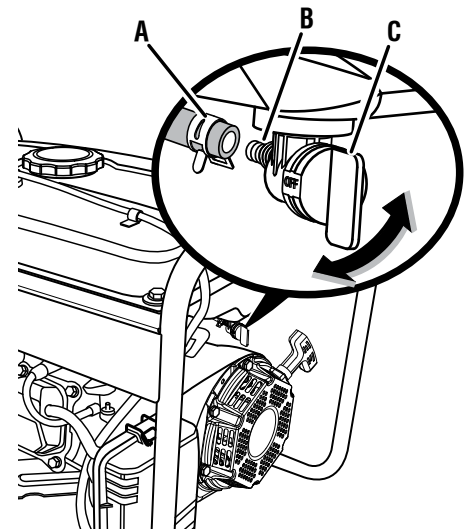
A - Spark plug (bujía)
 B - Spark plug cap (tapa de la bujía)

Fig. 11



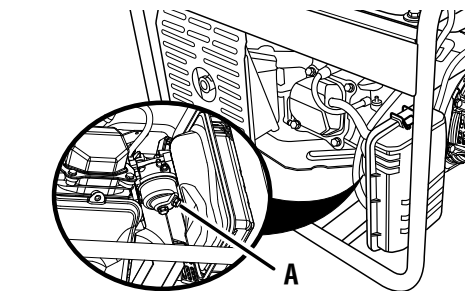
A - Spark arrester (parachispas)
 B - Screw (tornillo)

Fig. 12



A - Fuel line (conducto de combustible)
 B - Petcock (llave de purga)
 C - Fuel valve (válvula de combustible)

Fig. 13



A - Carburetor drain screw (tornillo de drenaje del carburador)

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INTRODUCTION

This product has many features for making its use more pleasant and enjoyable. Safety, performance, and dependability have been given top priority in the design of this product, making it easy to maintain and operate.

DANGER:

GROUNDING THE GENERATOR

To reduce the risk of shock or electrocution, generator must be properly grounded. The nut and ground terminal on the frame must always be used to connect the generator to a suitable ground source. The ground path should be made with #8 size wire. Connect the terminal of the ground wire between the lock washer and the nut, and tighten the nut fully. Connect the other end of the wire securely to a suitable ground source.

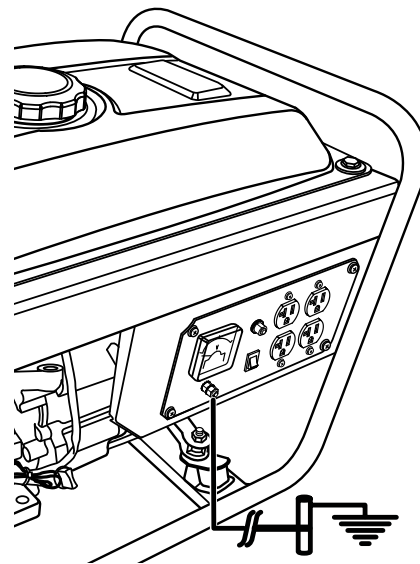
The National Electric Code contains several practical ways in which to establish a good ground source. If a steel or iron rod is used, it should be at least 5/8 in. diameter, and if a nonferrous rod is used, it should be at least 1/2 in. diameter and be listed as material for grounding. Drive the rod or pipe to a depth of 8 ft. If a rock bottom is encountered less than 4 ft. down, bury the rod or pipe in a trench.

All electrical tools and appliances operated from this generator must be properly grounded by use of a third wire or be “Double Insulated.”

It is recommended to:

1. Use electrical devices with 3-prong grounded plugs.
2. Use an extension cord intended for outdoor use with a 3-pole receptacle and a 3-prong plug at opposite ends to ensure continuity of the ground protection from the generator to the appliance.

Check and adhere to all applicable federal, state, and local regulations relating to grounding specifications. Consult a qualified electrician or service personnel if the grounding instructions are not completely understood or if in doubt as to whether the generator is properly grounded.



IMPORTANT SAFETY INSTRUCTIONS

DANGER:

Carbon Monoxide. Using a generator indoors CAN KILL YOU IN MINUTES.

Generator exhaust contains high levels of carbon monoxide (CO), a poisonous gas you cannot see or smell. If you can smell the generator exhaust, you are breathing CO. But even if you cannot smell the exhaust, you could be breathing CO.

- Never use a generator inside homes, garages, crawl-spaces, or other partly enclosed areas. Deadly levels of carbon monoxide can build up in these areas. Using a fan or opening windows and doors does NOT supply enough fresh air.
- ONLY use a generator outdoors and far away from open windows, doors, and vents. These openings can pull in generator exhaust.

Even when you use a generator correctly, CO may leak into the home. ALWAYS use a battery-powered or battery-backup CO alarm in the home.

If you start to feel sick, dizzy, or weak after the generator has been running, move to fresh air RIGHT AWAY. See a doctor. You could have carbon monoxide poisoning.

WARNING:

Read and understand all instructions. Failure to follow all instructions listed below could result in electrocution, fire, and/or carbon monoxide poisoning, which can cause death or serious injury.

DANGER:

National Electric Code requires generator to be grounded to an approved earth ground. Before using the ground terminal, consult a qualified electrician, electrical inspector, or local agency having jurisdiction for local codes or ordinances that apply to the intended use of the generator.

SAVE THESE INSTRUCTIONS

This manual contains important instructions for this product that should be followed during installation and maintenance of the generator.

- Do not connect to a building's electrical system unless the generator and transfer switch have been properly installed and the electrical output has been verified by a qualified electrician. The connection must isolate the generator power from utility power and must comply with all applicable laws and electrical codes.
- Do not allow children or untrained individuals to use this unit.

- Do not start or operate the engine in a confined space, building, near open windows, or in other unventilated space where dangerous carbon monoxide fumes can collect. Carbon monoxide, a colorless, odorless, and extremely dangerous gas, can cause unconsciousness or death.
- Keep all bystanders, children, and pets at least 10 feet away.
- Wear sturdy and dry shoes or boots. Do not operate while barefoot.
- Do not operate generator when you are tired or under the influence of drugs, alcohol, or medication.
- Keep all parts of your body away from any moving parts and all hot surfaces of the unit.
- Do not touch bare wire or receptacles.
- Do not use generator with electrical cords which are worn, frayed, bare, or otherwise damaged.
- Before storing, allow the engine to cool and drain fuel from the unit.
- Do not operate or store the generator in rain, snow, or wet weather.
- Store the generator in a well-ventilated area with the fuel tank empty. Fuel should not be stored near the generator.
- Empty fuel tank, close fuel valve, and restrain the unit from moving before transporting in a vehicle.
- Allow engine to cool for five minutes before refueling.
- To reduce the risk of fire and burn injury, handle fuel with care. It is highly flammable.
- Do not smoke while handling fuel.
- Store fuel in a container approved for gasoline.
- Position the unit on level ground, stop engine, and allow to cool before refueling.
- Loosen fuel cap slowly to release pressure and to keep fuel from escaping around the cap.
- Tighten the fuel cap securely after refueling.
- Wipe spilled fuel from the unit.
- Never attempt to burn off spilled fuel under any circumstances.
- Generators vibrate in normal use. During and after the use of the generator, inspect the generator as well as extension cords and power supply cords connected to it for damage resulting from vibration. Have damaged items repaired or replaced as necessary. Do not use plugs or cords that show signs of damage such as broken or cracked insulation or damaged blades.
- For power outages, permanently installed stationary generators are better suited for providing back-up power to the home. Even a properly connected portable generator can become overloaded. This may result in overheating or stressing the generator components, possibly leading to generator failure.

IMPORTANT SAFETY INSTRUCTIONS

- Use only authorized replacement parts and accessories and follow instructions in the Maintenance section of this manual. Use of unauthorized parts or failure to follow maintenance instructions may create a risk of shock or injury.
- Maintain the unit per maintenance instructions in this Operator's Manual.
- Inspect the unit before each use for loose fasteners, fuel leaks, etc. Replace damaged parts.

SPECIFIC SAFETY RULES




WARNING:

When this generator is used to supply a building wiring system: generator must be installed by a qualified electrician and connected to a transfer switch as a separately derived system in accordance with NFPA 70, National Electrical Code. The generator shall be connected through a transfer switch that switches all conductors other than the equipment grounding conductor. The frame of the generator shall be connected to an approved grounding electrode. Failure to isolate the generator from power utility can result in death or injury to electric utility workers.











- Do not use this generator to provide power for emergency medical equipment or life support devices.
- This generator has a neutral floating condition. This means the neutral conductor is not electrically connected to the frame of the machine.
- Exhaust contains poisonous carbon monoxide, a colorless, odorless gas. Breathing exhaust can cause loss of consciousness and can lead to death. If running in a confined or partially-enclosed area, the air may contain a dangerous amount of carbon monoxide. To keep exhaust fumes from building up, always provide adequate ventilation.
- Always use a battery-powered carbon monoxide detector when running the generator. If you begin to feel sick, dizzy, or weak while using the generator, shut it off and get to fresh air immediately. See a doctor. You may have carbon monoxide poisoning.
- Place the generator on a flat, stable surface with a slope of no more than 4°.
- Operate in a well-ventilated, well-lit area isolated from working areas to avoid noise interference.
- Operating the generator in wet conditions could result in electrocution. Keep the unit dry.
- Keep the generator a minimum of 3 feet away from all types of combustible material.
- Do not operate generator near hazardous material.
- Do not operate generator at a gas or natural gas filling station.
- Do not touch the muffler or cylinder during or immediately after use; they are HOT and will cause burn injury.
- Do not allow the generator's gas tank to overflow when filling. Fill to 1 in. below the top neck of the gasoline tank to allow for fuel expansion. Do not cover the fuel tank cap when the engine is running. Covering the fuel tank cap during use may cause engine failure and/or damage to the tool.
- Do not smoke when filling the generator with gasoline.
- Shut down the engine and allow to cool completely before adding gasoline or lubricant to the generator.
- Do not remove the oil dipstick or the fuel tank cap when the engine is running.
- Pay close attention to all safety labels located on the generator.
- Keep children a minimum of 10 feet away from the generator at all times.
- The unit operates best in temperatures between 23°F and 104°F with a relative humidity of 90% or less.
- Operating voltage and frequency requirement of all electronic equipment should be checked prior to plugging them into this generator. Damage may result if the equipment is not designed to operate within a +/- 10% voltage variation, and +/- 3 hz frequency variation from the generator name plate ratings. To avoid damage, always have an additional load plugged into the generator if solid state equipment (such as a television set) is used. A power line conditioner is recommended for some solid state applications.
- For outdoor use only.
- Save these instructions. Refer to them frequently and use them to instruct others who may use this product. If you loan someone this product, loan them these instructions also.

SYMBOLS

The following signal words and meanings are intended to explain the levels of risk associated with this product.

SYMBOL	SIGNAL	MEANING
	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.
	NOTICE:	(Without Safety Alert Symbol) Indicates important information not related to an injury hazard, such as a situation that may result in property damage.

Some of the following symbols may be used on this product. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the product better and safer.

SYMBOL	NAME	DESIGNATION/EXPLANATION
	Safety Alert	Indicates a potential personal injury hazard.
	Read Operator's Manual	To reduce the risk of injury, user must read and understand operator's manual before using this product.
	Wet Conditions Alert	Do not expose to rain or use in damp locations.
	Electric Shock	Failure to use in dry conditions and to observe safe practices can result in electric shock.
	Toxic Fumes	Running generator gives off carbon monoxide, an odorless, colorless, poison gas. Breathing carbon monoxide can cause nausea, fainting, or death.
	Fire/Explosion	Fuel and its vapors are extremely flammable and explosive. Fire or explosion can cause severe burns or death.
	Hot Surface	To reduce the risk of injury or damage, avoid contact with any hot surface.
	Lifting Hazard	To reduce the risk of serious injury, avoid attempting to lift the generator alone.
	Ground	Consult with local electrician to determine grounding requirements before operation.
	Electrocution	Failure to properly ground generator can result in electrocution, especially if the generator is equipped with a wheel kit.

SYMBOLS







Some of the following symbols may be used on this product. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the product better and safer.

SYMBOL	NAME	DESIGNATION/EXPLANATION
A	Amperes	Current
Hz	Hertz	Frequency (cycles per second)
W	Watt	Power
hrs	Hours	Time
gal	Gallon	Volume
qt	Quart	Volume

SAFETY LABELS


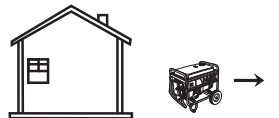
The information below can be found on the generator. For your safety, please study and understand all of the labels before starting the generator.

If any of the labels come off the unit or become hard to read, contact an authorized service center for replacement.

⚠ DANGER ⚠ PELIGRO	
 <p>You WILL be KILLED or SERIOUSLY HURT if you do not follow the Operator's Manual instructions. SE MATARÁ o LESIONARÁ GRAVEMENTE si no sigue las instrucciones del Manual del operador.</p>	 <p>Generator is a potential source of electric shock. Do not expose to moisture, rain, or snow. Do not operate with wet hands or feet. El generador es una fuente de descarga eléctrica. No lo exponga a humedad, la lluvia, ni a la nieve. No opere con manos o pies húmedos.</p>
 <p>Risk of fire. Do not add fuel while the product is operating. Riesgo del incendio. No agregue combustible cuando el producto esté funcionando.</p>	 <p>Exhaust contains poisonous carbon monoxide gas that can cause unconsciousness or DEATH. Operate in well ventilated, outdoor areas away from open windows or doors. El escape contiene gas venenoso de monóxido de carbono que puede causar pérdida del conocimiento o MUERTE. Opere en áreas exteriores bien ventiladas lejos de puertas o ventanas abiertas.</p>
	 <p>Failure to properly ground generator can result in electrocution, especially if the generator is equipped with a wheel kit. La omisión de conectar a tierra adecuadamente el generador puede resultar en electrocución, especialmente si el generador está equipado con un kit de ruedas.</p>
	 <p>Do not expose to rain or use in damp locations. No exponga a la lluvia ni use en lugares húmedos.</p>

940654205-01

- You WILL be KILLED or SERIOUSLY HURT if you do not follow the Operator's Manual instructions.
- Risk of Fire. Do not add fuel while the product is operating.
- Generator is a potential source of electric shock. Do not expose to moisture, rain, or snow. Do not operate with wet hands or feet.
- Exhaust contains poisonous carbon monoxide gas that can cause unconsciousness or DEATH. Operate in well-ventilated, outdoor areas away from open windows or doors.
- Failure to properly ground generator can result in electrocution, especially if the generator is equipped with a wheel kit.
- Do not expose to rain or use in damp locations.
- Using a generator indoors CAN KILL YOU IN MINUTES. Generator exhaust contains carbon monoxide. This is a poison you cannot see or smell.
- NEVER use inside a home or garage, EVEN IF doors and windows are open.
- Only use OUTSIDE and far away from windows, doors, and vents.

⚠ DANGER		⚠ PELIGRO	
<p>Using a generator indoors CAN KILL YOU IN MINUTES. Generator exhaust contains carbon monoxide. This is a poison you cannot see or smell.</p>		<p>Usar un generador en el interior PUEDE MATARLO EN POCOS MINUTOS.</p>	
 <p>NEVER use inside a home or garage, EVEN IF doors and windows are open.</p>		 <p>Los gases de escape del generador contienen monóxido de carbono. Es un veneno que no puede verse ni olerse.</p> <p>NUNCA lo use dentro de su hogar o del garaje, INCLUSO con las puertas y las ventanas abiertas.</p> <p>Sólo utilícelo AL AIRE LIBRE y lejos de ventanas, puertas y respiraderos.</p>	

SYMBOLS

FUEL WARNING

No smoking when filling with gasoline. Do not overfill. Full level is 1 in. below the top of the fuel neck. Stop the engine for five minutes before refueling to avoid the heat from the muffler igniting fuel vapors.

⚠ DANGER ⚠ PELIGRO

Risk of Fire. Check for any fuel overflow or leaking. Stop the engine before refueling.

Riesgo de incendio. Revise si hay algún derrame o fuga de combustible. Apague el motor antes de poner combustible.

940974004-01

ENGINE LUBRICANT WARNING

You must add lubricant before first operating the generator. Always check the lubricant level before each operation. The lubricant level should always register between the hatched areas on the dipstick. The unit is equipped with a sensor which will automatically shut off the engine if the lubricant level falls below a safe limit.

Add lubricant to full mark to start. Engine will not start or will shut off if sensor detects low lubricant level.

Añada lubricante hasta la marca de lleno para arrancar. El motor no arranca o se apaga si sensor detecta el nivel de lubricante de baja.

CHECK LUBRICANT

940828004-02

GROUNDING WARNING

National Electric Code requires generator to be grounded to an approved earth ground.

⚠ WARNING ⚠ ADVERTENCIA

Product does not include ground rod or copper wire. National Electric Code requires generator to be properly grounded to an approved earth ground. Call an electrician for local grounding requirements.

El producto no incluye el alambre de cobre ni la barra de conexión a tierra. Los Reglamentos Nacionales de Electricidad exigen que el generador esté debidamente conectado a una tierra aprobada. Comuníquese con un electricista para todo lo relacionado con los requisitos de conexión a tierra.

940513013-00

CLEARANCE WARNING

While operating and storing, keep at least 3 feet of clearance on all sides of this product, including overhead. Allow a minimum of 30 minutes of “cool down” time before storage. Heat created by muffler and exhaust gases could be hot enough to cause serious burns and/or ignite combustible objects.

⚠ DANGER ⚠ PELIGRO

Risk of Fire. Keep all objects at least 3 feet away from this machine. Heat from Muffler and Exhaust gases can ignite combustible objects.

Riesgo de incendio. Mantener todos los objetos a una distancia mínima de 91,4 cm (3 pies) de esta máquina. El calor de los gases del silenciador y el escape pueden prender fuego a objetos combustibles.

940974090-01

HOT SURFACE WARNING

Do not touch the muffler or aluminum cylinder of the engine. They are very HOT and will cause severe burns. Don't put any flammable or combustible materials in the direct path of the exhaust.

⚠ WARNING

HOT SURFACE

⚠ ADVERTENCIA

SUPERFICIES CALIENTE

940860040-02

SPARK ARRESTOR

Operation of this equipment may create sparks that can start fires around dry vegetation. A spark arrestor may be required. The operator should contact local fire agencies for laws or regulations relating to fire prevention requirements.

⚠ WARNING Operation of this equipment may create sparks that can start fires around dry vegetation. A spark arrestor may be required. The operator should contact local fire agencies for laws or regulations relating to fire prevention requirements.

⚠ ADVERTENCIA El uso de este equipo puede producir chispas propensas a iniciar incendios cerca de vegetación seca. Es posible que se necesite un parachispas. El operador debe ponerse en contacto con las agencias contra incendios locales para conocer las leyes y regulaciones relacionadas con los requisitos de prevención de incendios.

940947006-01

LOCATE GENERATOR AT LEAST 20 FT.* AWAY TO REDUCE THE RISK OF CARBON MONOXIDE GETTING INSIDE THE HOME

** Minimum distance as recommended by U.S. Department of Health and Human Services Centers for Disease Control and Prevention (www.cdc.gov/co). Your specific home and/or wind conditions may require additional distance.*



KEEP AT LEAST 20 FT.* AWAY

Only use **OUTSIDE** and **FAR AWAY** from windows, doors, and vents.



ELECTRICAL

EXTENSION CORD CABLE SIZE

Refer to the table below to ensure the cable size of the extension cords you use are capable of carrying the required load. Inadequate size cables can cause a voltage drop, which can burn out the appliance and overheat the cord.

Current in Amperes	Load in Watts		Maximum Allowable Cord Length				
	At 120V	At 240V	#8 Wire	#10 Wire	#12 Wire	#14 Wire	#16 Wire
2.5	300	600		1000 ft.	600 ft.	375 ft.	250 ft.
5	600	1200		500 ft.	300 ft.	200 ft.	125 ft.
7.5	900	1800		350 ft.	200 ft.	125 ft.	100 ft.
10	1200	2400		250 ft.	150 ft.	100 ft.	50 ft.
15	1800	3600		150 ft.	100 ft.	65 ft.	
20	2400	4800	175 ft.	125 ft.	75 ft.		
25	3000	6000	150 ft.	100 ft.			
30	3600	7200	125 ft.	65 ft.			
40	4800	9600	90 ft.				

ELECTRIC MOTOR LOADS

It is characteristic of common electric motors in normal operation to draw up to six times their running current while starting. This table may be used to estimate the watts required to start electric motors; however, if an electric motor fails to start or reach running speed, turn off the appliance or tool immediately to avoid equipment damage. Always check the requirements of the tool or appliance being used compared to the rated output of the generator.

Motor Size (H.P.)	Running Watts	Watts Required to Start Motor		
		Universal	Capacitor	Split Phase
1/8	275	N/A	850	1200
1/6	275	600	850	2050
1/4	400	800	1050	2400
1/3	450	950	1350	2700
1/2	600	1000	1800	3600
3/4	850	1200	2600	—
1	1100	N/A	3300	—

NOTICE:

Operating voltage and frequency requirement of all electronic equipment should be checked prior to plugging them into this generator. Damage may result if the equipment is not designed to operate within a +/- 10% voltage variation, and +/- 3 hz frequency variation from the generator name plate ratings. To avoid damage, always have an additional load plugged into the generator if solid state equipment (such as a television set) is used. A power line conditioner is recommended for some solid state applications.

ELECTRICAL

GENERATOR CAPACITY

Make sure the generator can supply enough continuous (running) and surge (starting) watts for the items you will power at the same time. Follow these simple steps.

1. Select the items you will power at the same time.
2. Total the continuous (running) watts of these items. This is the amount of power the generator must produce to keep the items running. See the wattage reference chart at right.
3. Estimate how many surge (starting) watts you will need. Surge wattage is the short burst of power needed to start electric motor-driven tools or appliances such as a circular saw or refrigerator. Because not all motors start at the same time, total surge watts can be estimated by adding only the item(s) with the highest additional surge watts to the total rated watts from step 2.

Example:

Tool or Appliance	Running Watts*	Additional Starting Watts*
TV (Tube Type)	300	0
RV Refrigerator	180	600
Radio	200	0
Light (75 Watts)	300	0
Coffee Maker	600	0
	1580 Total Running Watts	600 Highest Starting Watts

Total Running Watts	1580
Highest Starting Watts	+ 600
Total Starting Watts Needed	2180

POWER MANAGEMENT

To prolong the life of the generator and attached devices, it is important to take care when adding electrical loads to the generator. There should be nothing connected to the generator outlets before starting its engine. The correct and safe way to manage generator power is to sequentially add loads as follows:

1. With nothing connected to the generator, start the engine as described later in this manual.
2. Plug in and turn on the first load, preferably the largest load you have.
3. Permit the generator output to stabilize (engine runs smoothly and attached device operates properly).
4. Plug in and turn on the next load.
5. Again, permit the generator to stabilize.
6. Repeat steps 4 and 5 for each additional load.

Never add more loads than the generator capacity. Take special care to consider surge loads in generator capacity as previously described.

NOTICE:

Do not overload the generator's capacity. Exceeding the generator's wattage/ampere capacity may damage the generator and/or electrical devices connected to it.

Tool or Appliance	Estimated* Running Watts	Estimated* Additional Starting Watts
Home / Emergency		
Incandescent Lights (4 Quantity x 75 Watts)	300	0
TV (Tube Type)	300	0
Sump Pump (1/3 hp)	800	1300
RV Refrigerator	180	600
Electric Grill (tabletop)	1650	0
Radiant Heater	1800	0
Radio	200	0
Fan	60	200
Tools		
Drill (3/8", 4 amps)	440	600
Circular Saw (Heavy Duty, 7-1/4")	1400	2300
Recip Saw	960	960
Miter Saw (10")	1800	1800

*Wattages listed are approximate. Check tool or equipment for actual wattage.

FEATURES

PRODUCT SPECIFICATIONS

ENGINE

Engine Type208cc OHV
Fuel Volume 4 gal.
Spark PlugTorch F6TC
Engine Lubricant Volume..... 18 oz.

GENERATOR

Rated Voltage 120V AC
Rated Amps.....20A
Rated Running Watts*2,500 W

Rated Starting Watts3,125 W
Rated Frequency60 Hz

DIMENSIONS

Length 23.3 in.
Width 18.3 in.
Height 18.03 in.
Weight 88.5 lbs.

**Rated running watts determined by PGMA Standard G200*

KNOW YOUR GENERATOR

See Figure 1.

The safe use of this product requires an understanding of the information on the product and in this operator's manual as well as a knowledge of the project you are attempting. Before use of this product, familiarize yourself with all operating features and safety rules.

AC RECEPTACLES

Your generator has the following single phase, 60 Hz outlets: two 120 Volt AC, 20 Amp duplex receptacles. These can be used for operating appropriate appliances, electrical lighting, tools, and motor loads.

AIR FILTER

The air filter helps to limit the amount of dirt and dust drawn into the unit during operation.

ANALOG VOLTAGE METER

The analog voltage meter measures the voltage output of the 2 x 120 Volt duplex outlets located on the control panel.

CIRCUIT BREAKER

The circuit breaker is provided to protect the generator against electrical overload.

CHOKE LEVER

The choke lever is used when starting the engine.

FUEL TANK

The fuel tank has a capacity of 4 gallons.

FUEL VALVE

Fuel flow from the fuel tank to the engine is turned on and off using the fuel valve.

GROUND TERMINAL

The ground terminal is used to assist in properly grounding the generator to help protect against electrical shock. Consult with a local electrician for grounding requirements in your area.

LOW OIL SHUT DOWN PROTECTOR

The low oil sensor causes the engine to stop if the level of lubricant in the crankcase is insufficient.

OIL CAP/DIPSTICK

Remove the oil cap/dipstick to check and add lubricant to the generator when necessary.

OIL DRAIN PLUG

When changing the engine lubricant, unscrew and remove the oil drain plug to allow old engine lubricant to be drained.

RECOIL STARTER GRIP

The recoil starter grip is used to start the generator's engine.

STOP SWITCH

The generator has a stop switch on the control panel. To turn the engine off, press and hold the STOP switch until the engine stops.

ASSEMBLY

UNPACKING

This product has been shipped completely assembled.

- Carefully cut the box down the sides then remove the machine and any accessories from the box. Make sure that all items listed in the loose parts list are included.

NOTE: This machine is heavy and requires a minimum of two people to lift. To avoid back injury, lift with your legs and not your back.

WARNING:

Do not use this product if it is not completely assembled or if any parts appear to be missing or damaged. Use of a product that is not properly and completely assembled could result in serious personal injury.

- Inspect the unit carefully to make sure no damage occurred during shipping.
- Do not discard the packing material until you have carefully inspected and satisfactorily operated the product.
- If any parts are damaged or missing, please call 1-877-617-3501 for assistance.

WARNING:

If any parts are damaged or missing do not operate this product until the parts are replaced. Use of this product with damaged or missing parts could result in serious personal injury.

WARNING:

Do not attempt to modify this product or create accessories not recommended for use with this product. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.

WARNING:

Do not attempt to operate the generator until assembly is complete. Failure to comply could result in possible serious personal injury.

LOOSE PARTS LIST

- Bottle of Engine Lubricant 1
- Operator's Manual 1
- Quick Start Guide 1

OPERATION

DANGER:

Carbon Monoxide. Using a generator indoors CAN KILL YOU IN MINUTES.

Generator exhaust contains high levels of carbon monoxide (CO), a poisonous gas you cannot see or smell. If you can smell the generator exhaust, you are breathing CO. But even if you cannot smell the exhaust, you could be breathing CO.

- Never use a generator inside homes, garages, crawlspaces, or other partly enclosed areas. Deadly levels of carbon monoxide can build up in these areas. Using a fan or opening windows and doors does NOT supply enough fresh air.
- ONLY use a generator outdoors and far away from open windows, doors, and vents. These openings can pull in generator exhaust.

Even when you use a generator correctly, CO may leak into the home. ALWAYS use a battery-powered or battery-backup CO alarm in the home.

If you start to feel sick, dizzy, or weak after the generator has been running, move to fresh air RIGHT AWAY. See a doctor. You could have carbon monoxide poisoning.

DANGER:

Failure to properly ground generator can result in electrocution, especially if the generator is equipped with a wheel kit. National Electric Code requires generator to be properly grounded to an approved earth ground. Call an electrician for local grounding requirements.

WARNING:

Do not allow familiarity with this product to make you careless. Remember that a careless fraction of a second is sufficient to inflict serious injury.

WARNING:

Do not use any attachments or accessories not recommended by the manufacturer of this product. The use of attachments or accessories not recommended can result in serious personal injury.

APPLICATIONS

This generator is designed to supply electrical power for operating compatible electrical lighting, appliances, tools, and motor loads.

BEFORE OPERATING THE UNIT

- Only use OUTSIDE and far away from windows, doors, and vents.
- NEVER use inside a home or garage, EVEN IF doors and windows are open.
- Always position the generator on a flat firm surface.

SPECIAL REQUIREMENTS:

There may be General or State Occupational Safety and Health Administration (OSHA) regulations, local codes or ordinances that apply to the intended use of the generator.

Please consult a qualified electrician, electrical inspector, or the local agency having jurisdiction:

- In some areas, generators are required to be registered with local utility companies.
- If the generator is used at a construction site, there may be additional regulations which must be observed.

CHECKING/ADDING LUBRICANT

See Figure 2.

NOTICE:

Attempting to start the engine before it has been properly filled with lubricant will result in equipment failure.

Engine lubricant has a major influence on engine performance and service life. For general, all-temperature use, SAE 10W-30 is recommended. Always use a 4-stroke motor lubricant that meets or exceeds the requirements for API service classification SJ.

NOTE: Non-detergent or 2-stroke engine lubricants will damage the engine and should not be used.

- Unscrew the oil cap/dipstick and remove.
- Wipe dipstick clean and re-seat in hole; do not rethread.
- Remove dipstick again and check lubricant level. Lubricant level should fall between the hatched areas on the dipstick.
- If level is low, add engine lubricant until the fluid level rises to the upper portion of the dipstick.
- Replace and secure the oil cap/dipstick.

USING FUEL STABILIZER

Fuel gets old, oxidizes, and breaks down over time. Adding a fuel stabilizer (not included) extends the usable life of fuel and helps prevent deposits from forming that can clog the fuel system. Follow fuel stabilizer manufacturer's directions for correct ratio of stabilizer to fuel.

OPERATION

- Mix fuel stabilizer and gasoline prior to filling the tank by using a gas can or other approved fuel container and shaking gently to combine.

NOTE: To control the amount of fuel stabilizer being added to the engine, always mix fuel stabilizer with gasoline before fueling the tank rather than adding fuel stabilizer directly into the generator's fuel tank.

- Replace and secure the fuel tank cap.
- Start and run the engine for at least 5 minutes to allow stabilizer to treat the entire fuel system.

OXYGENATED FUELS

NOTICE:

Do not use E15 or E85 fuel (or fuel containing greater than 10% ethanol) in this product. It is a violation of federal law and will damage the unit and void your warranty.

Fuel system damage or performance problems resulting from the use of an oxygenated fuel containing more than the percentage of oxygenates stated below **are not covered under warranty.**

Ethanol. Gasoline containing up to 10% ethanol by volume (commonly referred to as E10) is acceptable. **E15 and E85 are not.**

CHECKING/ADDING FUEL

See Figure 3.



WARNING:

Gasoline and its vapors are highly flammable and explosive. To prevent serious personal injury and property damage, handle gasoline with care. Keep away from ignition sources, handle outdoors only, do not smoke while adding fuel, and wipe up spills immediately.

When adding gas to the generator, make sure the unit is sitting on a flat, level surface. If the engine is hot, let the generator cool before adding gas. **ALWAYS** fill the fuel tank outdoors with the machine turned off.

- Remove the fuel cap slowly.
- Fill the fuel tank to 1 in. below the top of the fuel neck.
- Replace and secure the fuel cap.

NOTE: Always use unleaded gasoline with a pump octane rating of 86 or higher. Never use old, stale, or contaminated gasoline, and do not use an oil/gas mixture. Do not allow dirt or water into the fuel tank. **Do not use E85 fuel.**

STARTING THE ENGINE

See Figures 4 - 5.

NOTICE:

On a level surface with the engine off, check the lubricant level before each use of the generator.

NOTE: If location of generator is not level, the unit may not start or may shut down during operation.

- Unplug all loads from the generator.
- Turn the fuel valve to the **ON** position.
- Move the choke lever left to the **START** position.

NOTE: If engine is warm or the temperature is above 50°F, move the choke lever right to the **RUN** position.

- Pull the recoil starting grip until the engine runs (a maximum of 6 times).

NOTE: Do not allow the grip to snap back after starting; return it gently to its original place.

- Allow the engine to run for 15-30 seconds, then move the choke to the **RUN** position.

STOPPING THE ENGINE

See Figure 6.

To stop the engine under normal operating conditions:

- Remove any load from the generator.
- Turn the fuel valve to the **OFF** position.
- Press and hold the STOP switch until the engine stops.

To stop the unit quickly in an emergency:

- Press and hold the STOP switch until the engine stops.



WARNING:

While operating and storing, keep at least 3 feet of clearance on all sides of this product, including overhead. Allow a minimum of 30 minutes of "cool down" time before storage. Heat created by muffler and exhaust gases can be hot enough to cause serious burns and/or ignite combustible objects.

MOVING THE GENERATOR

See Figure 7.

- Turn off the generator.
- Disconnect any equipment that is plugged into the generator.
- Turn the fuel valve to the **OFF** position.

OPERATION

- Allow 30 minutes of “cool down” time before storing the machine.
- Using the frame, get a firm grasp of the unit. Lift the unit into a safe and comfortable carrying position.

NOTE: This tool is heavy and requires two people to lift. To avoid back injury, keep your knees bent and lift with your legs, not your back, and get help when needed.

HIGH ALTITUDE OPERATION

Specific modifications are needed for high-altitude operation. Please contact your authorized service center for important information regarding these modifications. Operating this engine without the proper altitude modification may increase the engine’s emissions and decrease fuel economy and performance.

MAINTENANCE

WARNING:

When servicing, use only identical replacement parts. Use of any other parts can create a hazard or cause product damage.

Only the parts shown on the parts list are intended to be repaired or replaced by the customer. All other parts should be replaced at an authorized service center.

GENERAL MAINTENANCE

Keep the generator in a clean and dry environment where it is not exposed to dust, dirt, moisture, or corrosive vapors. Do not allow the cooling air slots in the generator to become clogged with foreign material such as leaves, etc.

Do not use a garden hose to clean the generator. Water entering the fuel system or other internal parts of the unit can cause problems that will decrease the life of the generator.

To clean the unit:

- Use a soft bristle brush and/or vacuum cleaner to loosen and remove dirt and debris.
- Clean air vents with low pressure air that does not exceed 25 psi.
- Wipe the exterior surfaces of the generator with a damp cloth.

CHECKING/REPLACING AIR FILTER

See Figure 8.

A dirty air filter will cause starting difficulty, loss of performance, and shorten the life span of the engine. Check the air filter monthly. For best performance, replace the air filter at least once a year. **See the Replacement Parts List for available sizes and part numbers of these items and call customer service at 1-877-617-3501 to order.**

- Release latch on top of air filter cover. Remove cover and set aside.
- Remove the air filter.
- Replace with a new air filter.
- Replace the air filter cover and latch to secure.

NOTE: Do not run the generator without the air filter. Rapid engine wear will result.

CHANGING ENGINE LUBRICANT

See Figure 9.

- Remove the oil cap/dipstick.
- Place a container underneath the oil drain plug to collect used lubricant as it drains.
- Unscrew the oil drain plug and remove.
- Allow lubricant to drain completely.

NOTE: Drain the lubricant while the engine is still warm but not hot. Warm lubricant will drain quickly and more completely.

WARNING:

Do not change engine lubricant while it is hot. Accidental contact with hot engine lubricant could result in serious burns.

- Reinstall the oil drain plug and tighten securely.
- Refill with lubricant following the instructions in the **Checking/Adding Lubricant** section. For amount of lubricant needed to refill, see **Product Specifications** earlier in this manual or the accompanying engine manual, if applicable.
- Reinstall the oil cap/dipstick.

NOTE: Used lubricant should be disposed of at an approved disposal site. See your local oil retailer for more information.

MAINTENANCE

SPARK PLUG MAINTENANCE

See Figure 10.

The spark plug must be properly gapped and free of deposits in order to ensure proper engine operation. To check:

- Remove the spark plug cap.
- Clean any dirt from around base of spark plug.
- Remove spark plug using wrench (not included).
- Inspect spark plug for damage, and clean with a wire brush before reinstalling. If insulator is cracked or chipped, spark plug should be replaced. For replacement spark plug, see **Production Specifications** earlier in this manual or the accompanying engine manual, if applicable.
- Measure plug gap. The correct gap is 0.028–0.031 in. (0.7–0.8 mm). To widen gap, if necessary, carefully bend the ground (top) electrode. To lessen gap, gently tap ground electrode on a hard surface.
- Seat spark plug in position; thread in by hand to prevent cross-threading.
- Tighten with wrench to compress washer. If spark plug is new, use 1/2 turn to compress washer appropriate amount. If reusing old spark plug, use 1/8 to 1/4 turn for proper washer compression.

NOTE: An improperly tightened spark plug will become very hot and could damage the engine.

CLEANING THE EXHAUST PORT AND MUFFLER

Depending on the type of fuel used, the type and amount of lubricant used, and/or your operating conditions, the exhaust port and muffler may become blocked with carbon deposits. If you notice a power loss with your gas-powered products, you may need to remove these deposits to restore performance. We highly recommend that only qualified service technicians perform this service.

SPARK ARRESTOR

See Figure 11.

- Inspect the spark arrestor for breaks or holes. Replace if necessary. To purchase a replacement spark arrestor, contact PowerStroke customer service at 1-877-617-3501.
- Use a brush to remove carbon deposits from the spark arrestor screen as needed.

DRAINING FUEL TANK/CARBURETOR

See Figures 12 - 13.

To help prevent gum deposits in the fuel system, drain the fuel from the tank and carburetor before storing.

DRAINING THE FUEL TANK

- Turn the fuel valve to the **OFF** position.
- Remove the fuel line from the petcock by squeezing the ends of the retaining clip and sliding the fuel line off.
- Install one end of a drain line over the petcock, and place the other end in a fuel container large enough to catch the fuel being drained from the tank.
- Turn the fuel valve to the **ON** position.
- When the fuel has drained from the tank, close the fuel valve and reinstall fuel line securely on petcock.

DRAINING THE CARBURETOR

- Turn the fuel valve to the **OFF** position.
- Position a suitable container under the carburetor drain screw to catch fuel; loosen the screw.
- Allow fuel to drain completely into container.
- Retighten drain screw.

NOTE: Consult hazardous waste management guidelines in your area for the proper way to dispose of used fuel.

TRANSPORTING

- Turn the fuel valve to the **OFF** position.
- Make sure engine and exhaust of unit is cool.
- Empty the fuel tank.
- Do not drop or strike unit or place under heavy objects.

MAINTENANCE

STORAGE

When preparing the generator for storage, allow the unit to cool completely then follow the guidelines below.

STORAGE TIME	PRIOR TO STORING
Less than 2 months	<ul style="list-style-type: none"> ■ Drain gasoline from tank and dispose of in a suitable container according to state and local ordinances.
2 months to 1 year	<ul style="list-style-type: none"> ■ Drain fuel from carburetor. ■ Drain gasoline from tank and dispose of in a suitable container according to state and local ordinances.
1 year or more	<ul style="list-style-type: none"> ■ Drain fuel from the carburetor. ■ Remove spark plug. ■ Drain gasoline from tank and dispose of in a suitable container according to state and local ordinances. ■ Put a tablespoon of engine lubricant into the spark plug cylinder. Turn the engine slowly with the pull rope to distribute the lubricant. ■ Reinstall spark plug. ■ Change engine lubricant. <p>After removal from storage:</p> <ul style="list-style-type: none"> ■ Fill with fresh gasoline.

NOTE: If storing gasoline in suitable container for later use, make sure gasoline has been treated with fuel stabilizer according to stabilizer manufacturer's instructions.

MAINTENANCE SCHEDULE

NOTE: If a separate engine manual is provided for this generator, please follow the maintenance schedule provided in the engine manual instead of the maintenance information listed below.

	Before each use	After 1st month or 20 hours of operation	Every 3 months or 50 hours of operation	Every 6 months or 100 hours of operation	Every year or after 300 hours of operation
Check Engine Lubricant	■				
Change Engine Lubricant ²		■		■	
Check Air Filter	■				
Clean Air Filter			■		
Change Air Filter ²					■
Check/Adjust Spark Plug				■	
Replace Spark Plug ²					■
Check/Adjust Idle Speed					■
Check/Adjust Valve Clearance ^{1,2}					■
Clean Fuel Tank and Filter ^{1,2}				■	
Check Fuel Hose	■				■
Fuel Filter	Inspect				Replace
Check All Hose Connections	■				■
Inspect Fuel Tank Vapor Vent (If Equipped)	■				■
Inspect Carbon Canister (CARB Models Only)	■				■

1. These items should only be carried out by an authorized service center.

2. See engine manual for maintenance schedule for this item.

NOTE: Maintenance should be performed more frequently when generator is used in dusty areas.

When generator has exceeded the maximum figures specified in the table, maintenance should still be cycled according to the intervals of time or hours stated herein.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Engine will not start.	No fuel. Stale gasoline or water in gasoline. Lubricant level is low. Fuel valve is OFF . Spark plug faulty, fouled, or improperly gapped. Choke lever is in RUN position. Engine stored without treating or draining gasoline, or refueled with bad gasoline. Dirty fuel filter.	Fill fuel tank. Drain entire system and refill with fresh fuel. Engine is equipped with Low Oil Shutoff. If engine lubricant level is low, it must be filled before unit will start. Check engine lubricant level and fill, if necessary. Turn fuel valve ON . Replace spark plug. Move choke lever to START position. Drain fuel and carburetor. Refuel with fresh gasoline. Contact authorized service center.
Engine hard to start	Water in gasoline. Weak spark at spark plug.	Drain entire system and refill with fresh fuel. Replace spark plug or contact authorized service center.
Engine lacks power.	Air filter clogged. Engine stored without treating or draining gasoline, or refueled with bad gasoline.	Check air filter element. Clean or replace as needed. Drain fuel and carburetor. Refuel with fresh gasoline. If problem continues, contact your nearest authorized service center.
AC receptacle does not work.	Circuit breaker is OFF. Item plugged in is defective.	Turn ON the AC circuit breaker. Try a different item.
Generator makes a "spark knock" or "pinging" noise.	An occasional light "knocking" or "pinging" under heavy load is not a cause for concern. However, if the knocking or pinging occurs under normal load at a steady engine speed, the problem may be with the brand of gasoline being used.	Switch to a different brand of gasoline, making sure that the octane rating is 86 or higher. If problem continues, contact your nearest authorized service center.

If problem persists after trying the above solutions, contact your nearest authorized service center for assistance.

The following symptoms may indicate problems that will affect the emissions level of the unit:

- Hard starting or stalling after starting
- Rough idle
- Misfiring or backfiring under load
- Afterburning (backfiring)
- Black exhaust smoke or high fuel consumption

If you encounter any of these symptoms, have the unit inspected and repaired by the nearest authorized service center.

WARRANTY

LIMITED NON-ENGINE WARRANTY STATEMENT

OWT Industries, Inc., (the Company) warrants to the original retail purchaser that this PowerStroke Product is free from defects in material and workmanship and agrees to repair or replace, at the Company's discretion, any defective Product free of charge within these time periods from the date of purchase:

- Two years, if the Product is used solely for personal, family, or household use;
- One year, if the Product is used for business or commercial use.

This warranty applies only to Products sold within the United States of America, the District of Columbia, Canada, Mexico, the Commonwealth of Puerto Rico, the Virgin Islands, or Guam.

This warranty is not transferable and does not cover damage resulting from defects other than in material or workmanship, or damage caused by unreasonable use, including the failure to provide reasonable and necessary maintenance.

Other items not covered under this warranty include:

- Transportation charges for sending the product to the Company or its authorized service representative for warranty service, or for shipping repaired or replacement products back to the customer; these charges must be borne by the original retail purchaser.
- Damages caused by abuse, accident, misuse, neglect, alteration, modification, the effects of corrosion, erosion, normal wear and tear or repairs by other than the Company or its authorized service representative.
- In addition this warranty does not cover:
 - Tune-ups – Spark Plugs, Carburetor, Carburetor Adjustments, Ignition, Filters, Oil Change
 - Wear items – Recoil Starter Rope, Engine Brushes, Cotter Pins, Wheels

Warranty is voided if the customer fails to install, maintain and operate the product in accordance with the instructions and recommendations of the Company as set forth in the Product's operator's manual or if the Product is used as rental equipment.

The Company will not pay for repairs or adjustments to the Product, or for any costs or labor, performed without the Company's prior authorization.

IMPORTANT: Some components not covered under this warranty may still be covered by a separate warranty issued by the engine manufacturer. Please see the Engine Manufacturer Warranty (if any) supplied with this product for further details.

SAVE YOUR SALES SLIP

Proof of purchase in the form of your dated sales receipt, cash register slip, etc., will be required before the Company and/or its authorized service representatives can perform warranty service on the Product.

EXCLUSIONS AND LIMITATIONS

THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES. ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OTHERWISE, APPLICABLE TO THIS PRODUCT, SHALL BE LIMITED IN DURATION TO THE DURATION OF THIS LIMITED WARRANTY. THE WARRANTY SERVICE DESCRIBED ABOVE IS THE EXCLUSIVE REMEDY UNDER THIS WARRANTY. THE COMPANY SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

SOME STATES DO NOT ALLOW A LIMITATION ON THE DURATION OF IMPLIED WARRANTIES, OR THE EXCLUSION OR LIMITATION OF INCIDENTAL, OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

HOW TO OBTAIN WARRANTY SERVICE

For warranty service: Call toll free 1-877-617-3501, or write to OWT Industries, Inc., P.O. Box 35, Hwy. 8, Pickens, SC 29671.

For warranty service outside the USA, please contact your local PowerStroke dealer.

WARRANTY

U.S. EPA EMISSIONS CONTROL WARRANTY STATEMENT YOUR WARRANTY RIGHTS AND OBLIGATIONS

The United States Environmental Protection Agency (EPA) and UNITED POWER EQUIPMENT CO., LTD. are pleased to explain the emissions control system warranty (ECS warranty) on your 2013 and later equipment. New equipment that use small spark-ignited must be designed, built, and equipped to meet U.S. EPA emission standards for spark-ignited small off-road engines at or below 19 kilowatts. UNITED POWER will warranty the emission control system on your equipment for the period of the time listed below provided there has been no abuse, neglect, unapproved modification or improper maintenance of your equipment.

MANUFACTURER'S WARRANTY COVERAGE

This ECS warranty is valid for two years, or for the same period as specified in the UNITED POWER limited warranty, whichever is longer. For equipment with hour meters, the warranty period is a number of hours equal to half the useful life to which the equipment is certified, or the warranty period specified above in years, whichever is less. The useful life can be found on the Emission Control Label on the engine. Where a warrantable condition exists, UNITED POWER EQUIPMENT CO., LTD. will repair your spark-ignited small off-road engine at no cost to you including diagnosis, parts and labor. Your emission control system includes parts such as carburetor, air cleaner, ignition system, muffler and catalytic converter (when present). Also included may be hoses, connectors, and other emission-related assemblies.

OWNER'S WARRANTY RESPONSIBILITIES:

As the spark-ignited small off-road engine owner, you are responsible for the performance of the required maintenance listed in the operator's manual. UNITED POWER EQUIPMENT CO., LTD. recommends that you retain all receipts covering maintenance on your spark-ignited small off-road engine, but UNITED POWER EQUIPMENT CO., LTD. cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

As the owner of a spark-ignited small off-road engine, you should however be aware that UNITED POWER EQUIPMENT CO., LTD. may deny you warranty coverage if your spark-ignited small off-road engine or part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

You are responsible for presenting your spark-ignited small off-road engine to an authorized service center as soon as a problem exists. The undisputed warranty repairs should be completed in a reasonable period of time, not to exceed 30 days. For the location of an authorized service center and any questions you may have regarding your warranty rights and responsibilities, you should call our parts and technical support group toll free number below, or E-mail to us.

The emission warranty is a defects warranty and defects are judged on normal engine performance. The warranty is not related to an in-use emission test.

If you have any questions regarding your emission warranty rights and responsibilities, you should contact us at 1-866-340-3912 or www.powerstroketools.com.

EMISSION CONTROL SYSTEM WARRANTED PARTS

Coverage under this warranty extends only to the parts listed below (the emission control system parts) to the extent that these parts were present on the engine purchased.

- 1) Fuel Metering System
 - a) Carburetor and/or internal parts
 - b) Intake manifold
- 2) Evaporative System
 - a) Fuel tank, fuel cap, fuel hose, fuel strainer, fuel cock, fuel hose joint
 - b) Carbon canister, canister brackets, canister purge hose joint vapor hoses
- 3) Air Induction System
 - a) Air cleaner*
 - b) Intake manifold
- 4) Exhaust System
 - a) Exhaust manifold
 - b) Catalyst
- 5) Ignition System
 - a) Ignition coil assembly
 - b) Spark plug
- 6) Crankcase Emission Control System
 - a) Crankcase breather tube
 - b) Oil filler cap
- 7) Miscellaneous parts
 - a) Hoses, seals, gaskets, connectors and assemblies associated with listed parts

Note: *Covered up to the first required replacement only. See the maintenance schedule in the Operator's Manual.

LIMITATIONS

The Emission Control System Warranty shall NOT cover any of the following:

- a) Repair or replacement required as the result of misuse or neglect, improper maintenance or unapproved modifications, repairs improperly performed or replacement improperly installed, use of unapproved replacement parts or accessories and modifications not recommended by UNITED POWER
- b) Replacement parts, other services and adjustments necessary for normal maintenance.
- c) Transportation to and from the authorized service center or retailer.

LIMITED LIABILITY

The liability of UNITED POWER EQUIPMENT CO., LTD. under this Emission Control System Warranty is limited solely to the remedy of defects in materials or workmanship. This warranty does not cover inconvenience or loss of the spark-ignited small off-road engine equipment or transportation of same to an authorized service center. UNITED POWER shall not be liable for any other expenses, loss, or damage, whether direct, incidental, consequential (except as listed) or exemplary arising in connection with the sale or use of or inability to use the spark-ignited small off-road engine equipment for any other purpose.

No express Emission Control System Warranty is given by UNITED POWER EQUIPMENT CO., LTD. with respect to the engine except as specifically set forth in this document. Any Emission Control System Warranty implied by law, including any warranty of merchantability or fitness for a particular purpose, is expressly limited to the Emission Control System Warranty terms set forth in this document.



2,500 WATT GENERATOR
GENERADOR 2 500 WATTS

PS902500
Series/Serie

OPERATOR'S MANUAL
MANUAL DEL OPERADOR

CALIFORNIA PROPOSITION 65

⚠ WARNING:
This product, its exhaust, and other substances that may become airborne from its use may contain chemicals, including lead, known to the State of California to cause cancer, birth defects, or other reproductive harm. *Wash hands after handling.*

CALIFORNIA - PROPUESTA DE LEY NÚM. 65

⚠ ADVERTENCIA:
Este producto, su escape y otras sustancias que puedan llegar a ser aerotransportadas por su uso pueden contener sustancias químicas (por ejemplo, plomo) consideradas por el estado de California como causantes de cáncer, defectos de nacimiento u otras alteraciones reproductivas. *Lávese las manos después de utilizar el aparato.*

SERVICE
For parts or service, contact your nearest authorized service dealer. Be sure to provide all relevant information when you call or visit. For the location of the authorized service dealer nearest you, please call 1-877-617-3501.

REPAIR PARTS
The model number of this product is found on a plate or label attached to the housing. Please record the serial number in the space provided below.

MODEL NO. _____

SERIAL NO. _____

.....

SERVICIO
Para obtener piezas o servicio, comuníquese con el centro de servicio autorizado de más cercano. Asegúrese de proporcionar todos los datos pertinentes al llamar o al presentarse personalmente. Para obtener información sobre el establecimiento de servicio autorizado más cercano a usted, le suplicamos llamar al 1-877-617-3501.

PIEZAS DE REPUESTO
El número de modelo de este producto se encuentra en una placa o etiqueta pegada a la caja del motor. Le recomendamos anotar el número de serie en el espacio suministrado abajo.

NÚMERO DE MODELO _____

NÚMERO DE SERIE _____

OWT INDUSTRIES, INC.
P.O. Box 35, Highway 8
Pickens, SC 29671 USA
1-877-617-3501
www.powerstroketools.com

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