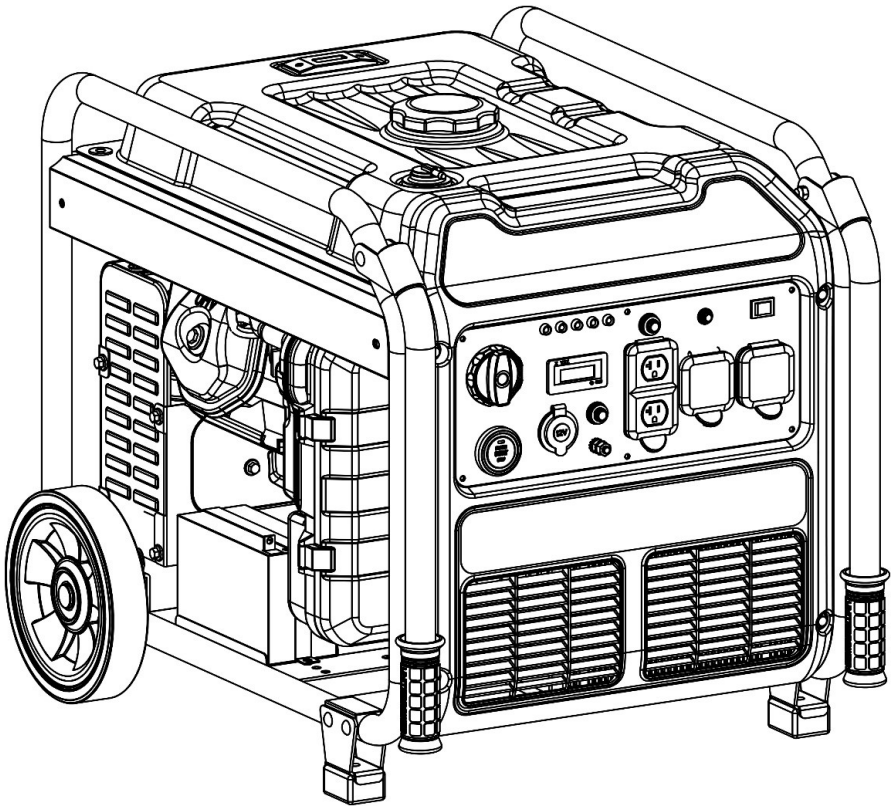
INSTRUCTION MANUAL

7000W Open Frame Inverter Generator

Model #PS5055C

Item No:101520040

STOP
PROBLEMS? QUESTIONS?
DO NOT RETURN TO STORE
CALL OUR CUSTOMER HELP LINE
(872)314-0005 Mon-Fri 9-5 EST



Have product questions or need technical support? Please scan the QR code to enter our official website and contact us!

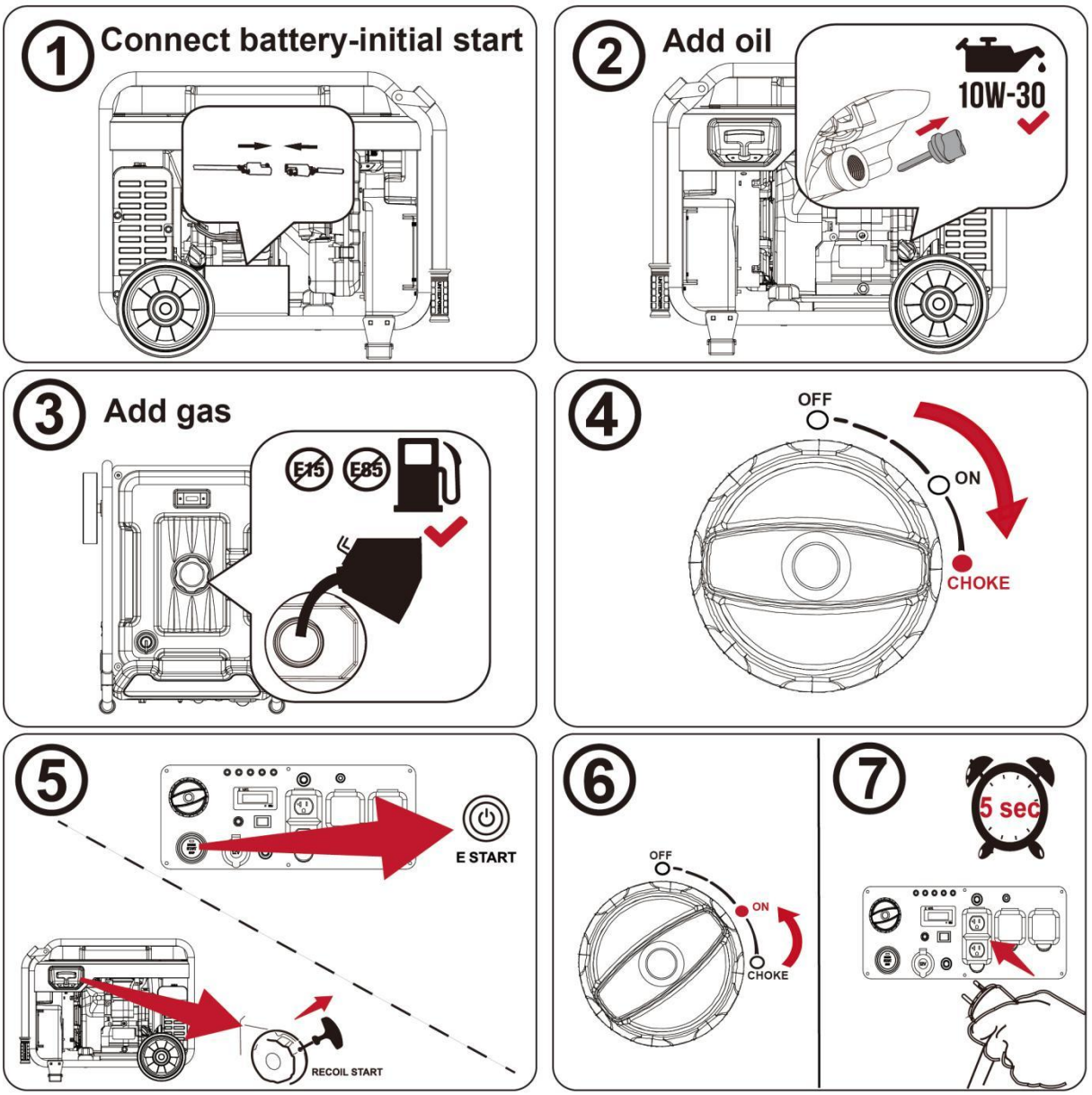
Website: www.powersmartusa.com

Toll free: 1-872-314-0005 Mon-Fri 9-5 EST

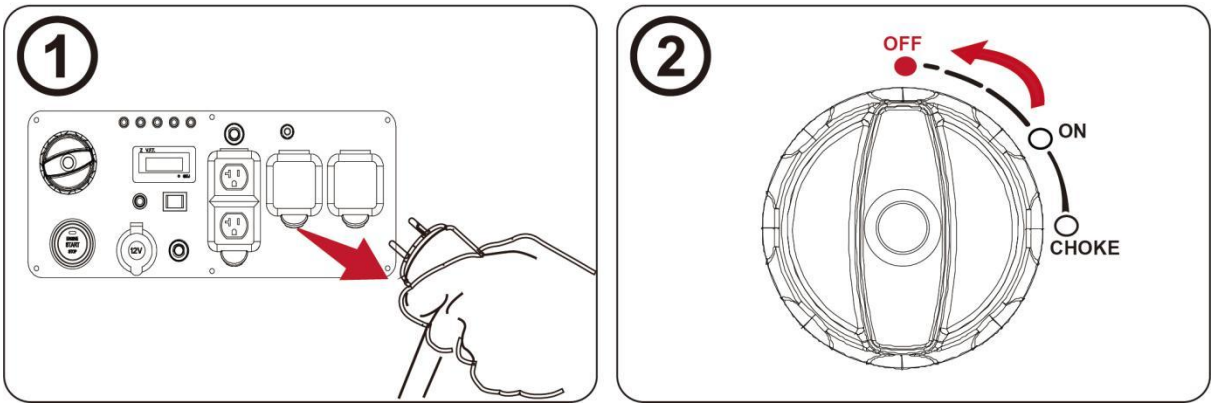
Email: support@amerisuninc.com / support@powersmartusa.com

website

GENERATOR START STEPS



GENERATOR STOP STEPS



***more operating details, please refer to Page 22.

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TECHNICAL DATA

Open frame inverter generator:	Model#PS5055C
Item No:	101520040
Engine type:	4 stroke, OHV, single cylinder with forced air-cooling system
Start type:	Recoil / Electric
Phase:	Single
Surge wattage:	7000W
Rated wattage:	6000W
Rated voltage:	120/240V
DC output voltage:	12V
Rated current::	25.0A
Frequency:	60Hz
Displacement:	322 cc
Spark plug gap:	0.76 mm
Fuel tank capacity:	3.2gallons
Oil capacity:	30.4fl.oz
Runtime at 50% load:	6.0hours
A-weighted sound pressure level Lopa:	70dB(A) at 23 feet
Package dimensions(L x W x H):	25.9x19x19 inch
Gross Weight:	113.5 lb

INTRODUCTION

Thank You for Purchasing a PowerSmart® Product. This manual provides information regarding the safe operation and maintenance of this product. Every effort has been made to ensure the accuracy of the information in this manual. PowerSmart® reserves the right to change this product and specifications at any time without prior notice.



Please keep this manual available to all users during the entire life of the generator. This manual contains special messages to bring attention to potential safety concerns, generator damage as well as helpful operating and servicing information. Please read all the information carefully to avoid injury and machine damage.

QUESTIONS? PROBLEMS?

Please contact our Customer Service Dept. with any questions and/or comments, either by Email: support@amerisuninc.com / support@powersmartusa.com, or Toll Free at (872)314-0005. We are available Mon-Fri 9am-5pm EST to help solve any issues that you might encounter.

NOTICE REGARDING EMISSIONS

Engines that are certified to comply with U.S. EPA emission regulations for SORE (Small Off-Road Equipment), are certified to operate on regular unleaded gasoline, and may include the following emission control systems: (EM) Engine Modifications and (TWC) Three-Way Catalyst (if so equipped).

SAFETY INFORMATION

Before operating this generator, read and observe all warnings, cautions, and instructions on the generator and in this Owner's Manual.

NOTE: The following safety information is not meant to cover all possible conditions and situations that may occur. Read the entire Owner's Manual for safety and operating instructions. Failure to follow instructions and safety information could result in serious injury or death.

This safety alert symbol is used to identify safety information about hazards that can result in personal injury.



A signal word (DANGER, WARNING, or CAUTION) is used with the alert symbol to indicate the likelihood and the potential severity of injury. In addition, a hazard symbol may be used to represent the type of hazard.

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

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

CAUTION Indicates a hazard, which, if not avoided, might result in minor or moderate injury.

CAUTION when used without the alert symbol, indicates a situation that could result in damage to the engine or generator.

GENERAL SAFETY RULES

DANGER: CARBON MONOXIDE

Using a generator indoors CAN KILL YOU IN MINUTES. Generator exhaust contains carbon monoxide (CO). This is a poison 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 outside and far away from windows, doors, and vents. These openings can pull in generator exhaust.

Even if 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 may have carbon monoxide poisoning.



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



WARNING: This generator may emit highly flammable and explosive gasoline vapors, which can cause severe burns or even death if ignited. A nearby open flame can lead to explosion even if it isn't directly in contact with gasoline.

- Do not operate near open flame.
- Do not smoke near generator.
- Always operate on a firm, level surface.
- Always turn generator off before refueling. Allow generator to cool for at least 2 minutes before removing fuel cap. Loosen cap slowly to relieve pressure in tank.
- Do not overfill fuel tank. Gasoline may expand during operation. Do not fill to the top of the tank.
- Allow for expansion.
- Always check for spilled fuel before operating.
- Empty fuel tank before storing or transporting the generator.



WARNING: This generator produces powerful voltage, which can result in electrocution.

- ALWAYS ground the generator before using it (see the "Generating set ground" portion of the "GENERATOR PREPARATION" section).
- Generator should only be plugged into electrical devices, either directly or with an extension cord.
- NEVER connect to a building electrical system without a qualified electrician. Such connections must comply with local electrical laws and codes. Failure to comply can create a back-feed, which may result in serious injury or death to utility workers.
- Use a ground fault circuit interrupter (GFCI) in highly conductive areas such as metal decking or steel work. GFCIs are available in-line with some extension cords.
- Do not use in rainy conditions.
- Do not touch bare wires or receptacles (outlets).
- Do not allow children or non-qualified persons to operate.



WARNING: This generator produces heat when running. Temperatures near exhaust can exceed 150°F (65°C).

- Do not touch hot surfaces. Pay attention to warning labels on the generator identifying hot parts of the machine.
- Allow generator to cool down after use before touching engine or areas of the generator that become hot during use.



CAUTION: Misuse of this generator can damage it or shorten its life.

- Only use generator for its intended purposes.
- Operate only on dry, level surfaces.
- Allow generator to run for several minutes before connecting electrical devices.
- Shut off and disconnect any malfunctioning devices from generator.
- Do not exceed the wattage capacity of the generator by plugging in more electrical devices than the unit can handle.
- Do not turn on electrical devices until after they are connected to the generator. Turn off all connected electrical devices before stopping the generator.
- Turn the fuel tap to “OFF” position when the engine is not running.

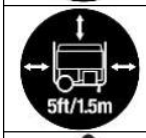
IMPORTANT SAFETY INSTRUCTIONS

- Ensure that adequate ventilation is provided while the generator is in operation.
- The muffler is hot when the generator is running and just stopping. Be careful not to touch it.
- Under certain conditions, gasoline is extremely flammable and explosive.
- Be sure to add gasoline in a well-ventilated place. Turn off the engine and let it cool before filling.
- When refueling, keep away from the open fire.
- If there is oil spill while refueling, wipe the spilled gasoline immediately.
- Explosion and Fire. Do not overfill fuel tank. Fill to 1/2 inch from top of tank to allow for fuel expansion. Overfilling may cause fuel to spill onto engine causing fire or explosion, which will result in death or serious injury!
- Using should be prohibited in places with high fire risk.
- Do not connect the generator to the power system, or it may cause people to die from electric shock when they come into contact with the wire; damage the generator or damage the home appliance.
- A pre-operation check must be performed before starting the engine to avoid accidents or equipment damage.
- Generators must operate at least one meter away from the building and other equipment.
- Please put the generator on the horizontal ground. If the generator is tilted, it may cause gasoline overflow.
- Be sure to master how to quickly shut off generators and understand the operation of all control components.
- Children and pets must stay away from the operating area. While the engine is running, all personnel must be away from its rotating parts.
- If the operation is not proper, there is a potential danger to the generator. Do not operate the generator with a wet hand.
- Do not operate in the rain, snow, lest wet generator.
- Maintenance of generators to be operated by professionals.
- Generators vibrate in normal use. During and after the use of the generator, inspect both the generator as well as extension and power supply cords 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.

For power outages, permanently installed stationary generators are better suited for providing backup power to the home. Even a properly connected portable generator can become overloaded. This may result in overheating or stressing of the components, possibly leading to a generator failure.

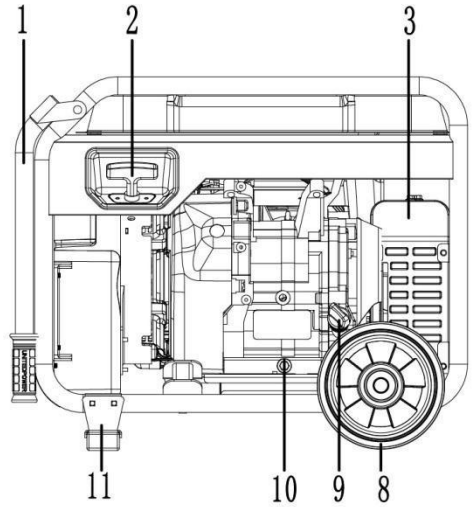
SYMBOLS

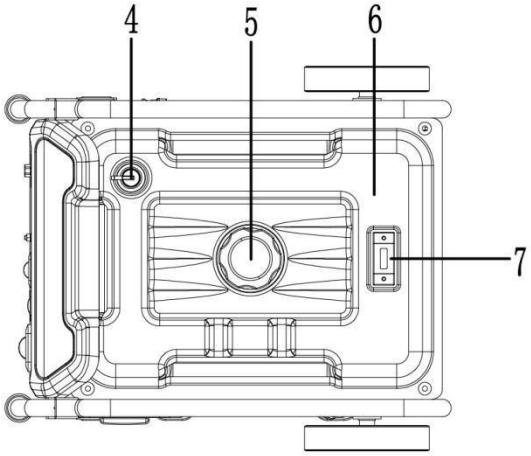
Some of the following symbols may be used on this product. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the product better and safer.

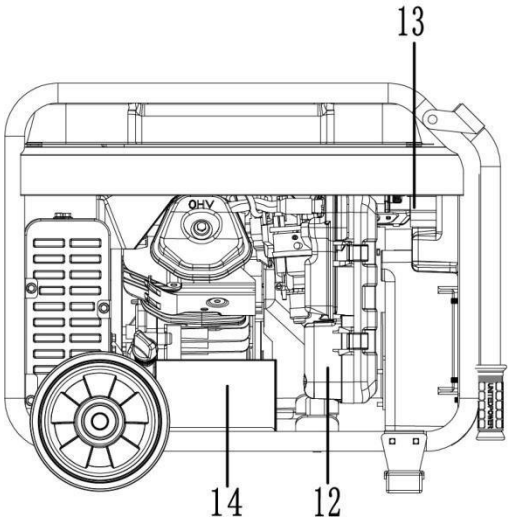
SYMBOL	NAME	DESIGNATION/EXPLANATION
V	Volts	Voltage
A	Amperes	Current
Hz	Hertz	Frequency (cycles per second)
W	Watts	Power
MIN	Minutes	Time
	Safety Alert	Precautions that involve your safety.
	Read the user's manual	To reduce the risk of injury, user must read and understand user's manual before using this product.
	Carbon monoxide hazard	Never operate the generator in an enclosed area. Engine exhaust contains carbon monoxide. Only operate the generator outside and away from windows, doors and vents.
	Ground	Consult with local electrician to determine grounding requirements before operation.
	Clearance	Keep all objects at least 5 feet (1.5m) from generator. Heat from the muffler and exhaust gas can ignite combustible objects.
	Electric shock alert	Beware of electric shock hazard.
	Fire/Explosion	Fuel and its vapors are extremely flammable and explosive. Fire or explosion can cause severe burns or death. Keep generator at least 5 feet (1.5m) from all objects to prevent combustion.
	Wet conditions alert	Do not expose to rain or use in damp locations.
	Hot Surface	To reduce the risk of injury or damage, avoid contact with any hot surface.
	Open Flame Alert	Fuel and its vapors are extremely flammable and explosive. Keep fuel away from smoking, open flames, sparks, pilot lights, heat, and other ignition sources.

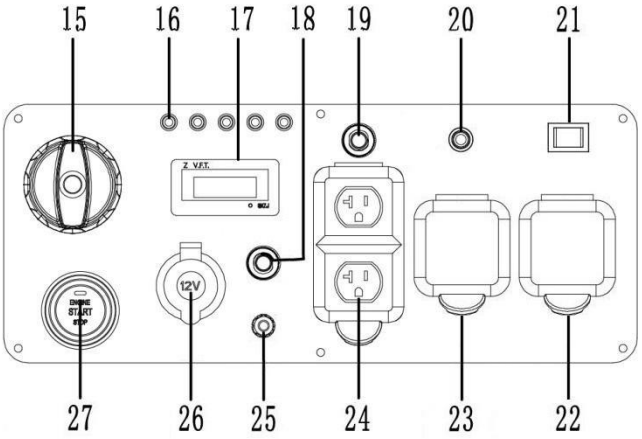
KNOWING YOUR INVERTER GENERATOR

Use the illustrations below to become familiar with the locations and functions of the various components and controls of this generator.









1	Carrying Handle	10	Oil Drain Bolt	19	AC Breaker 20A
2	Recoil Starter	11	Grounding Lug	20	AC Reset
3	Muffler	12	Air Filter	21	Eco Switch
4	Check Valve	13	CO Module	22	120V/240V 30A Receptacle
5	Fuel Cap	14	Battery	23	120V 30A Receptacle
6	Fuel Tank	15	Fuel Tap	24	120V 20A Receptacle
7	Fuel Gauge	16	Led Alarm	25	Ground Terminal
8	Wheel	17	VFT Meter	26	12V DC Port
9	Dipstick	18	DC Breaker	27	Electric Start Button

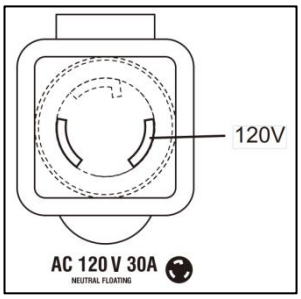
OUTPUT DESCRIPTION OF THE AC SOCKET

Connection Plugs(AC socket)

120V 30A AC Receptacle Single socket output：

Output voltage can only be 120V and current 25.0A.

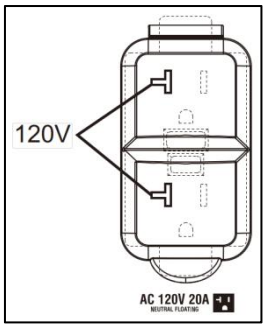
120V(Voltage)×25.0A(Current)=3000W(Output Power)



120V 20A AC GFCI Receptacle Single socket output：

Output voltage can only be 120V and current 20A.

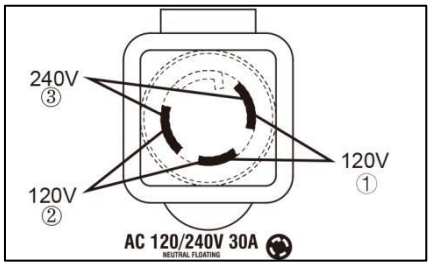
120V(Voltage)×20A(Current)=2400W(Output Power)



120/240V 30A AC Receptacle Single socket output：

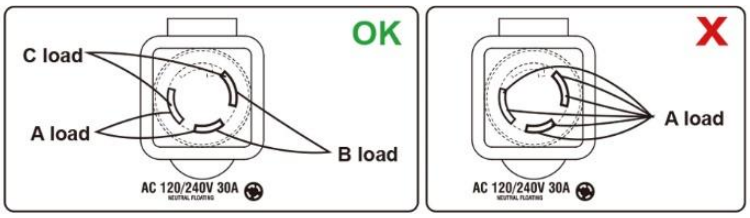
①&② ： 120V socket hole: 120V(Voltage)×25.0A(Current)=3000W(Output Power)

③ ： 240V socket hole: 240V(Voltage)×25.0A(Current)=6000W(Output Power)

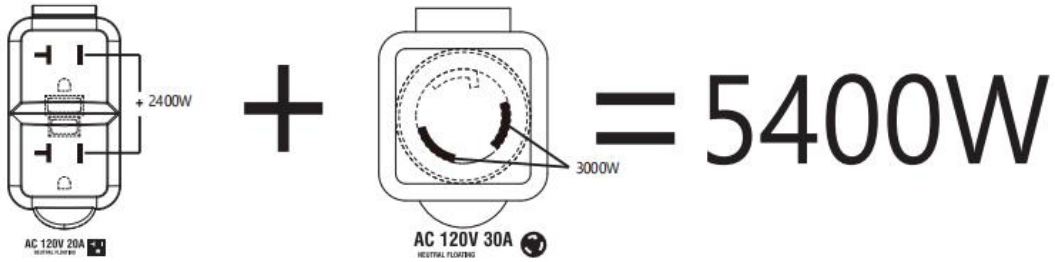


ATTENTION: Sockets ①②③ can be used simultaneously. However, their total power output must not exceed the generator's rated power, and they must not be connected to the same single load.

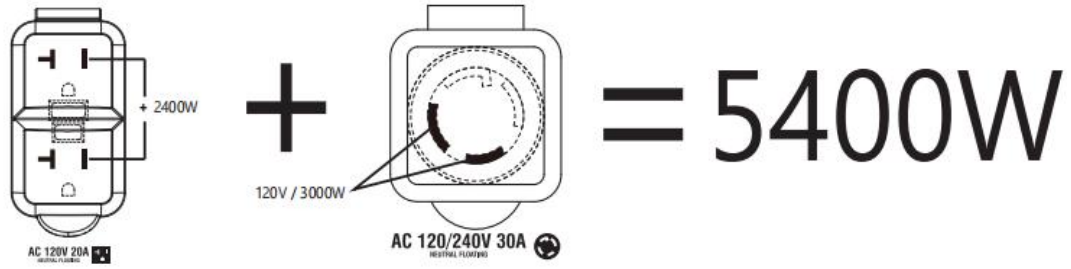
ATTENTION: The total power output of the socket must not exceed the rated power of the generator.



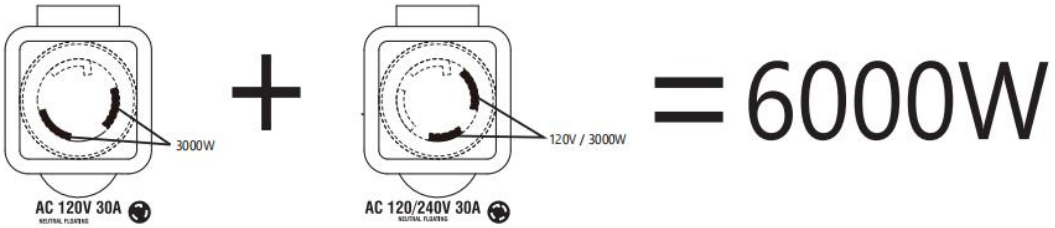
120V 20A AC GFCI Receptacle and 120V 30A AC Receptacle output together：



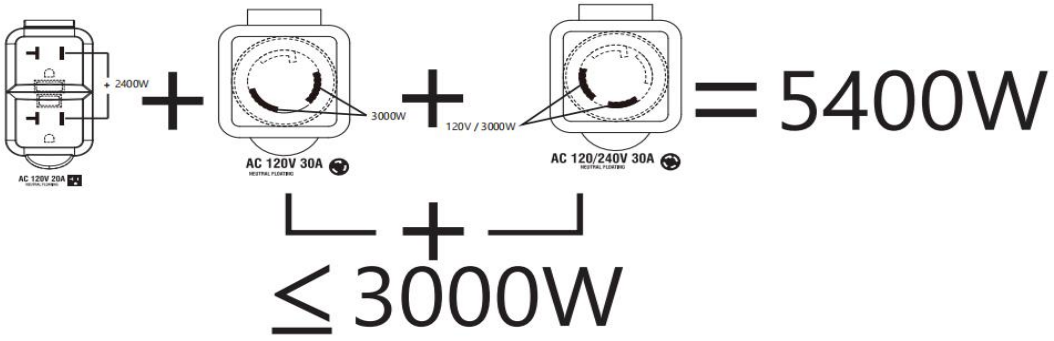
120V 20A AC GFCI Receptacle and 120/240V 30A AC Receptacle output together：



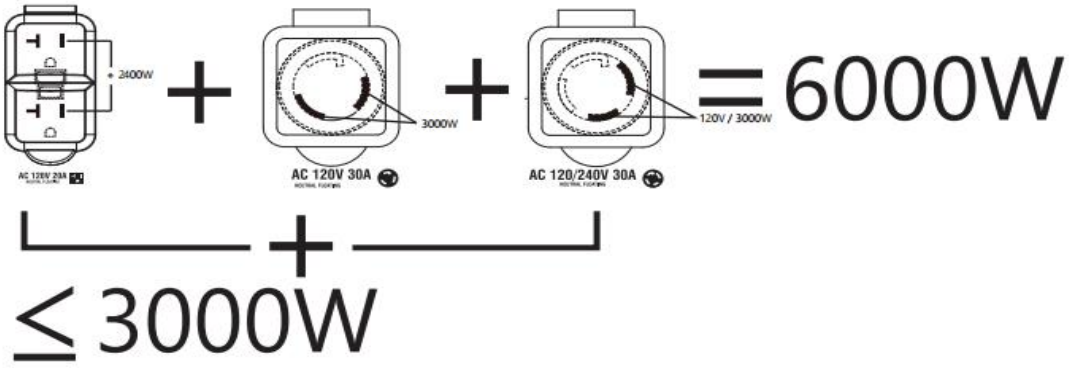
120V 30A AC Receptacle and 120/240V 30A AC Receptacle output together：



120V 20A AC GFCI Receptacle and 120V 30A AC Receptacle and 120/240V 30A AC Receptacle output together：

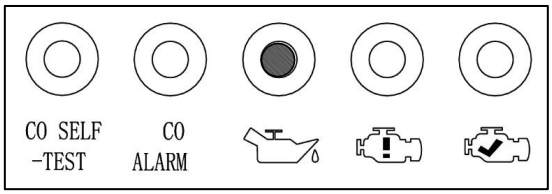


120V 20A AC GFCI Receptacle and 120V 30A AC Receptacle and 120/240V 30A AC Receptacle output together：



Oil Warning Light (Yellow)

The low oil level alarm system is designed to prevent engine damage due to insufficient oil in the crankcase. The low oil level alarm system automatically shuts down the engine before the engine oil in the crankshaft box is lowered to safety (the generator engine switch remains “ON”).



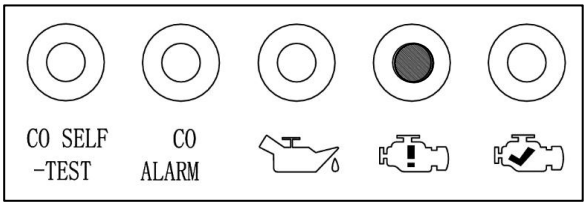
NOTE: After the low oil level alarm system shuts down the engine, if you start the engine again, the low oil alarm indicator (yellow) lights up and the engine cannot run. If this happens, please fill in the oil and then restart the generator.

Overload Indicator (Red)

During engine starting, it is normal for the Overload Indicator(Red) to illuminate for a few seconds.

If Overload Indicator(Red) stays illuminated and the Running Indicator(Green) turns off, the engine will continue to run without output power. In this condition, remove all applied loads and determine if attached devices exceed recommended output power. Check for faulty or shorted connections. To restore electrical output, press the AC reset button to reset.

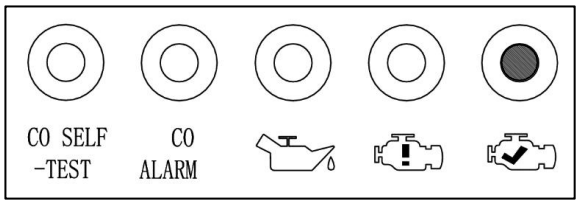
Start engine. If condition was corrected, the Overload Indicator (Red) will not illuminate and electrical output will be restored. Loads can be applied once the Running Indicator (Green) illuminates.



After above operating, if the Overload Indicator (Red) returns, contact our customer service.

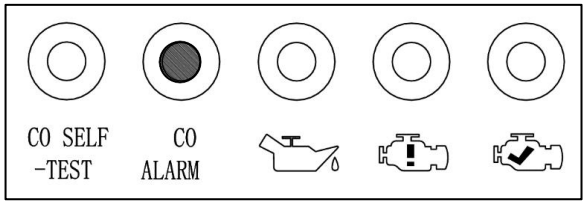
Running Indicator (Green)

The output indicator lights up when generating set starts and has normal output.



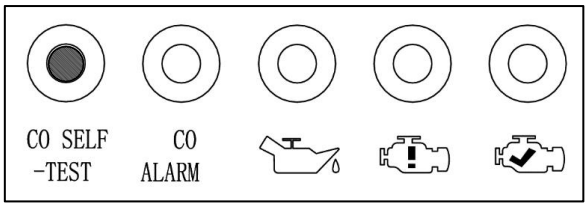
CO Alarm Light(Red)

When the concentration of CO exceeds the standard, the CO alarm light will turn on Red and the generator stops soon.



CO Failure Light(Yellow)

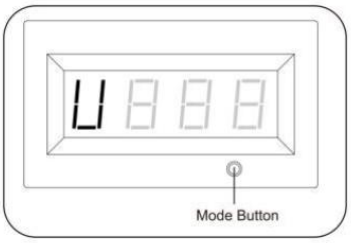
When the CO sensor is broken, the CO failure light will be on Yellow.



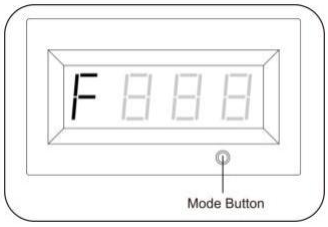
V.F.T meter

The V.F.T meter can be used for displaying voltage, frequency(hertz),run time and total run time as applicable. (Display mode depends on the configuration). The LCD displays each mode by pressing the button below the display.

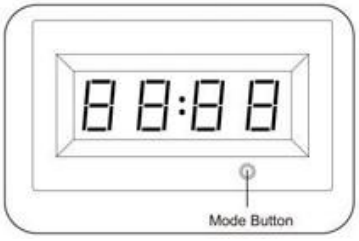
1. Voltage(V)
Output voltage of the generator.



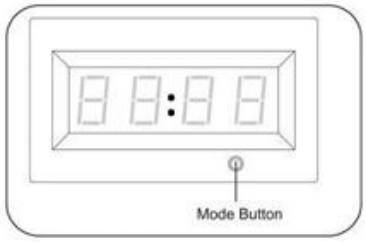
2. Frequency(F)
Output frequency in hertz.



3. Run time
Run time of the generator for the current session.



4. Total run time
Total run time of the generator since first
Operation (display mode depends on the configuration). The display value shows as a integer.



AC Reset Button

The reset button is used to restore output if an overload occurs. To restore output, reduce the loads and press the rest button.

AC Breaker Button

The AC breaker button is used to protect the 120V 20A AC output receptacle. When these outlet receptacle are overloaded, the breaker will pop out. In this condition, reduce the loads and then press the AC breaker button.

DC Breaker Button

The DC breaker button is used to protect the 12V 8A DC output receptacle. When this outlet receptacle are overloaded, the breaker will pop out. In this condition, reduce the loads and then press the DC breaker button.

Grounding Terminal

The grounding terminal is designed to prevent electric shock by connecting it to the grounding wire. The generating set must be properly grounded before operation.
The generator is equipped with an equipment ground connecting the generator frame and the ground terminals on the AC output receptacles. This allows the generator to be used as a portable without grounding the frame of the generator.

The generator (stator winding) is isolated from the frame and from the AC receptacle ground pin. Electrical devices that require a grounded receptacle pin connection will not function if the receptacle ground pin is not functional.

ECO Switch

When the energy-saving switch is in the energy-saving position, the generator is in the energy-saving state. When disconnecting or using low power, the engine automatically returns to a low speed state, thus reducing engine fuel consumption

Full Speed

“Full speed” means that the energy-saving state (ECO switch) is in OFF position and the engine is always at high speed, which is suitable for the situation where the load of electrical appliances varies greatly. When the energy-saving switch is in full-speed position, the engine will remain at high speed.

- In order to reduce the change of voltage, the energy saving switch should be in the position of "full speed" when the electrical equipment needs a large instantaneous power, or when the generator powers the high-power apparatus.
- When using 12 V DC output, put the energy-saving switch in full-speed position.



WARNING: When there is no overload, the output cannot be restored by pressing the reset key**.**

Each time the engine is started, the number of effective operation times of the protection cut-off switch is 5 times, or the engine needs to be restarted.

GENERATOR PREPARATION

The following section describes steps necessary to prepare the generator for use. If after reading this section, you are unsure about how to perform any of the steps please call (872) 314-0005 Mon-Fri 9-5 EST for customer service. Failure to perform these steps properly can damage the generator or shorten its lifespan.

Unpacking

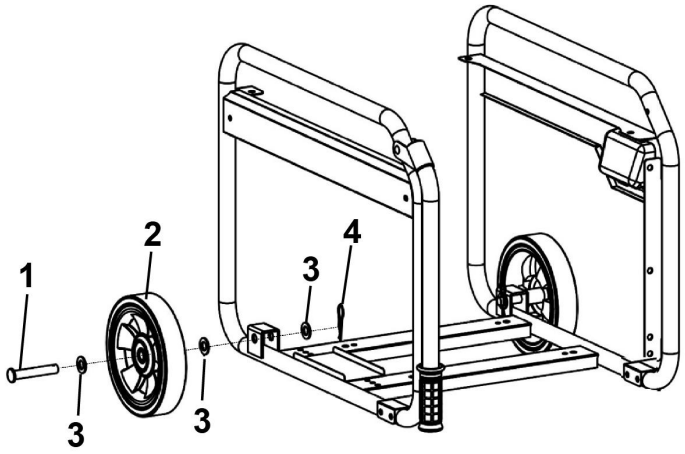
Unpack the generator and all its parts. Do not discard the carton or any packaging until the generator is completely assembled.

Including

Inverter Generator / Wheel Axle*2/ Wheel*2/ Wheel Washer*6/ r Pin*2/ Support Foot*2/ Fasten Bolt*6/ Fasten Nut*6/ Handrail*2/ s10 Wrench*1/ Spark Plug Tool*1/ Oil Funnel*1/ User Manual

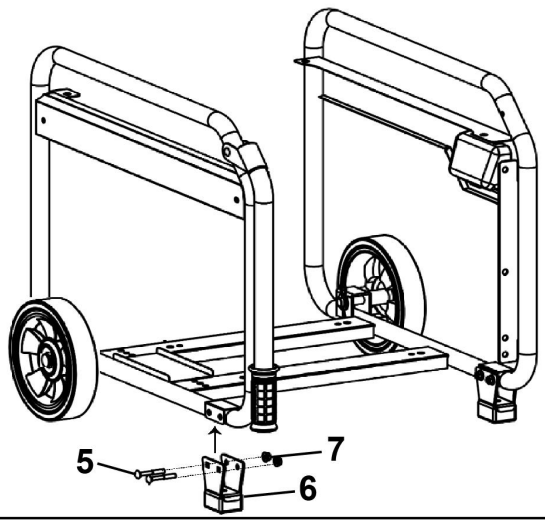
Assembly Instruction

Wheel Installation



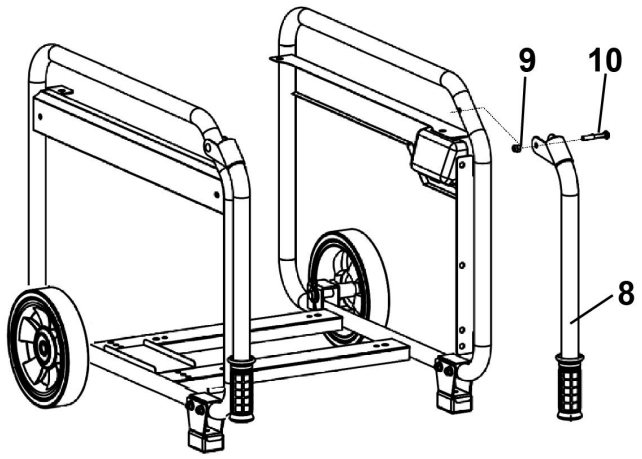
1.Pass the axle(1) through the wheel(2) and flat washer(3), connect to the rack;
2.Insert the R pin(4) into the hole in the wheel shaft. Install the other wheel in the same way.

Support Foot Installation



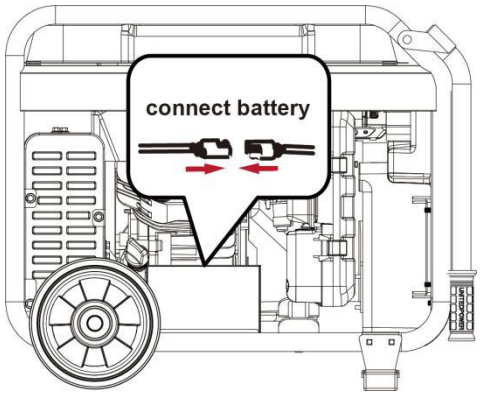
1.Align the two holes on the support seat(6) with the two holes on the bottom of the frame. Place two bolts(5) through the support seat hole and the frame hole;
2.Fasten nut(7) to bolt(5), tighten with a wrench. Install the other side in the same way.

Handrail Installation



1.Bolt the handle (8)to the frame;
2.Fasten the nut(9) to the bolt(10), tighten with a wrench. Install the other side in the same way.

Connecting the battery



Connect the positive and negative electrodes of the battery.
A quick-connect battery plug is pre-installed on the battery.
Remove the cable tie securing the plugs, align colors, then push firmly to connect them.

NOTE: The generator is equipped with a battery charging feature. Once the engine is running, a small current will slowly recharge the battery.

Operating Location

- Only use OUTSIDE and place the generating set in a well-ventilated area.
- Only operate the generating set on a flat, level surface and in a clean, dry operating environment.
- Allow two feet clearance on all side of the generating set while operating it outdoors.
- Operate in specified area, if any problem on applicable occasion, please consult the authorized local dealers. In some areas, generating set must be registered with the local utility. Generating set used to construction sites may be subject to additional rules and regulations.

DANGER: The exhaust of the generating set contains carbon monoxide, using engine indoors CAN KILL YOU! NEVER use inside any building or any kind of enclosure, EVEN IF doors and windows are open. Place the generating set in a well-ventilated and clean area. Note the wind direction and air current when place the generating set.

High Altitude

This generating set may require a high altitude carburetor kit to ensure correct operation at high altitudes. Consult the authorized local dealer for high altitude kit information if you always operate your engine at altitudes above 5,000 feet (1,500 meters).

CAUTION: Even with carburetor modification, generating set horsepower will decrease about 3.5% for each 1,000 feet (300 meters) increase in altitude. The effect of altitude on horsepower will be greater than this if no carburetor modification is made.

Operation the engine at altitude below 5,000 feet (1,500 meters) with modified carburetor may cause the generating set to overheat and result in serious engine damage. Please restore factory specifications of the carburetor at the dealer when using the engine in a low altitude area.

Operating Condition

Check for loose or damaged parts, signs of oil or fuel leaks, and any other condition that may affect proper operation. Repair or replace all damaged or defective parts immediately.

Clean the dirt or foreign objects on the surface around exhaust and air intake of generator. DO NOT move or tip the generating set during operation. Use generating set only for intended uses. If you have questions about intended use, ask your local dealer.

Engine oil check

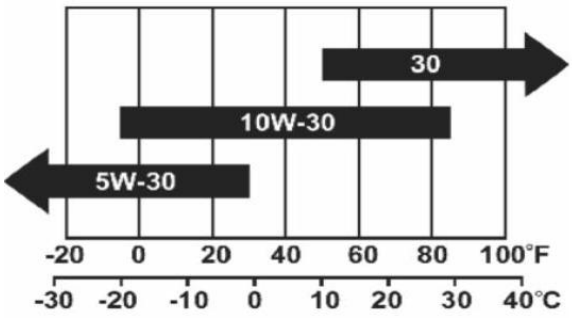
WARNING: This engine is not filed with oil before send out to the factory. User must add the proper amount of oil before operating the generator for the first time. Any attempt to crank or start the engine before it has been properly filled with the recommended type and amount of oil may result in engine damage and void your warranty.

Engine Oil Recommendations

Only use 4-stroke engine oil of "SJ,SL" or equivalent level which are in accordance with or higher than API standard.

Check the API label on oil bottle or other container, and make sure the "SJ,SL" or equivalent level letter is in the label.

SAE 10W-30 is recommended for general, all-temperature use. Other viscosities shown in the chart may be used when the average temperature in your area is within the indicated range.

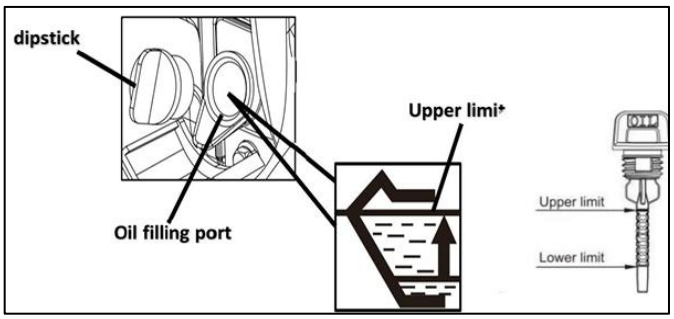


Ambient Temperature

Add the engine oil

1. Unscrew and remove the dipstick.
2. Add recommended oil to the upper limit(H).
3. Install and fully tighten the dipstick.

NOTE: The oil capacity (rated) of the engine crankcase is 30.4 fl. oz. Properly dispose of any used oil at an approved waste management facility.



CAUTION: Use the generator only on level surfaces. Running the engine when the oil level is low can seriously damage the engine.

The engine is equipped with a low oil sensor (applicable types) that will automatically shut down the

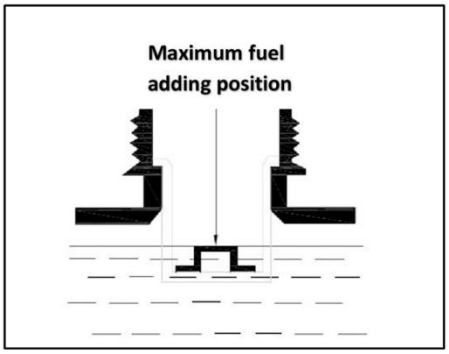
engine under low oil conditions. To avoid the inconvenient of an unexpected shutdown, fill to the upper limit and check the oil level regularly.

Generator Fuel Check

WARNING: This generator may emit highly flammable and explosive gasoline vapors, which can cause severe burns or even death if ignited. A nearby open flame can lead to explosion even if not directly in contact with gasoline.

- With the engine stopped, check the fuel level. Refill the fuel tank if necessary.
- Use clean, fresh, regular unleaded gasoline with a minimum octane rating of 87.
- Do not mix oil with gasoline.
- Gasoline shall not overflow the tank (the oil level is lower than the red oil level indicator). After refueling, tighten the tank cover and wipe up any spilled fuel. Prevent dirt and water from entering the tank.
- Do not use gasoline containing more than 10% ethanol or gasoline containing methanol, otherwise the engine will be seriously damaged.

To add gasoline, follow these steps:



1. Make sure the generator stopped and cooled entirely, also make sure it is on a level surface.
2. Unscrew fuel cap anticlockwise slowly and set aside.
   NOTE: The fuel cap may be tight and hard to unscrew.
3. Slowly add unleaded gasoline to the fuel tank. Be sure not to fill above the upper limit mark(the red insert). Always allow room for fuel expansion. The capacity of the fuel tank is 3.2 gallon.
4. Install the fuel cap.
   NOTE: Do not fill the fuel tank to the very top. Gasoline will expand and spill over during use even with the fuel cap in place. Reinstall fuel cap and wipe clean any spilled gasoline with a dry cloth.

IMPORTANT:

- Do not fill tank indoors.
- Do not fill tank when the engine is running or hot.
- Never use an oil/gasoline mixture.
- Never use old gasoline.
- Avoid getting dirt or water into the fuel tank.
- Gasoline can age in the tank and make starting difficult. Never store generator for extended periods of time with fuel in the tank or the carburetor.
- Turn the fuel cock off and drain the fuel from the carburetor.
- Never use engine or carburetor cleaner products in the fuel tank or permanent damage may occur.
- 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 fuel can damage the fuel system of the generating set while in storage. Be sure to review the instruction given in “Storage” section.

- Gasoline/ Alcohol Blends: up to 10% alcohol, 90% unleaded gasoline by volume is approved as a fuel. Other gasoline/alcohol blends are not approved.
- Effects of old, stale or contaminated fuel are not warrantable.
- Allow the generating set to cool for at least two minutes before removing fuel cap when adding fuel.
- Loose the fuel cap slowly to relieve any pressure in the tank.
- Fuel and vapors are extremely flammable and explosive. **Add fuel only in a well-ventilated area.** Keep fire and spark away. Failure to do so will result in death or serious injury!

Generator Set Grounding



DANGER: Failure to properly ground the generator can result in electric shock.

The generator must be properly connected to an appropriate ground. It helps prevent electrical shock if a ground fault condition exists in the generating set or in connected electrical devices, especially when the unit is equipped with a wheel kit. Proper grounding also helps dissipate static electricity, which often builds up in underground devices.

A ground terminal has been provided on the generating set. For remote grounding, connect of a length of heavy gauge(4mm² or12 AWG minimum) copper wire between the generating set ground terminal and a copper rod driven into the ground.

Local electrical codes may also require proper grounding of the unit. We strongly recommend that you consult with a qualified electrician for grounding requirements in your area.

Neutral Floating*

— Neutral circuit IS NOT electrically connected to the engine crankcase/ground of the inverter generator.

— The generator (stator winding) is isolated from the engine crankcase and from the AC receptacle ground pin.

— Electrical devices that require a grounded receptacle pin connection will not function if the receptacle ground pin is not functional.

Neutral Bonded to Frame*

— Neutral circuit IS electrically connected to the frame/ground of the generator.

— The generator system ground connects lower frame cross-member below the alternator. The system ground is connected to the AC neutral wire.

***** See your model's control panel for specified type of grounding.

Electrical Devices

Disconnect all electrical devices from the generator and switch off the AC circuit breaker before start the engine.The generator may be hard to start with electrical devices.

The connected electrical equipment must not exceed the maximum limit of the generator. Please refer to the specification table for details.

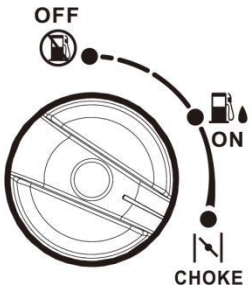
NOTE: After completing the above preparation, the generator is ready to be started.

GENERATOR OPERATION

Generator Start

- Disconnect the electrical equipment from the alternator's AC socket before starting the engine.
- The electric devices should be in OFF position before connect to the generator.
- Make sure that the ECO switch is on “OFF” position.

1. Rotate the Fuel Tap on the panel to the "CHOKE" position as shown in the right figure.



2.1. MANUAL START: Grasp the recoil starter handle and pull slowly until resistance is felt, and then pull rapidly to avoid kickback. Firmly grasp the generator to avoid tumble of generator.

2.2. ELECTRIC START: Press the "START" button on the panel, generator starts.

3. When engine starts, Turn the Fuel Tap 1/2 “CHOKE” position until engine runs smoothly, then fully into “ON” position. If engine falters, Turn the Fuel Tap back to 1/2 “CHOKE” position until engine runs smoothly, then to “ON” position.

4. After all above operations, the engine can be normally loaded.

NOTE: To use electrical equipment, AC circuit breaker should be placed in "ON" position.
NOTE: If engine fires, but does not continue to run, rotate the fuel tap to “OFF” position and repeat starting instructions to start the generator again.

WARNING: Check starter cord conditions before operating. Have it replaced immediately by local authorized dealer if cord is frayed.

WARNING: Do not overload generator or individual panel receptacles. If an overload occurs, the overload LED will illuminate and AC output ceases.

Using The Generator

WARNING: It is prohibited to start or close the generating set when the output terminal of generating set is connected to an electric device is in “ON” state.

Connect to electrical devices

- Inspect power cord for damage before using. There is a hazard of electrical shock from crushing, cutting or heat damage.
- Make sure that the generating set has been properly grounded. If the electric devices require grounding, the generating set must ground.
- Make sure that the electric devices are in “OFF” position.
- Allow the engine to stabilize and warm up for a few minutes after starting.
- Connect and start the electric devices.
- Turn off all electric devices and disconnect them from the generating set.
- If the generator is supplying power to multiple loads, the largest load should be started firstly.

DANGER: If connected devices overheat, turn them off and disconnect them from generating set.

Electrical Shock

To reduce the risk of electrical shock, DO NOT use electrical cords that are worn, frayed, bare or otherwise damaged. DO NOT touch bare wires or receptacles. DO NOT handle generating set or electrical cords while standing in water, while barefoot, or while hands or feet are wet.

Loading Capacity

WARNING: Do not overload the generating set. Exceeding the generating set's capacity can damage the generating set and/or electric devices connected to it.

You must make sure your generating set can supply enough rated (running) and (starting) watts for the electrical devices at the same time. Follow these simple steps to calculate the running and starting watts necessary for your purposes.

1. Count the electrical devices you will power at the same time.
2. The amount of power you need to run with the devices is the total rated (running) watts of these items.
3. Starting power is the power needed shortly when electric devices start. Since not all devices start at the same time, starting power can be estimated by the maximum power of all devices plus the total power counted in step 2.

Electric equipment		Rate power(W)	Starting power(W)
Appliances	Tablet computer27"	80	100
	Energy saving lamb	5-50	5-50
	Electric cooker	1000	1000
	Computer	250	250
	Electric fan	50	100
	Washing machine	250	500
	Refrigerator	50	300
	Air-conditioner	1600	3200
Electric tooling	Electric hammer	1000	1500
	Impact Hammer	3000	6000
	Water pump	2200	5000
	Electric welding machine	5000	7500
	Air compressor	5000	10000

Wattage Reference Chart

WARNING: It is necessary to equip with circuit protector or switch to isolate the generating set from the electric utility when the generating set is mainly used for backup. Failure to isolate the generating set from the power utility may result in injury or death to electric utility workers and damage to the generating set due to back feed of electrical energy.

When using AC power, you can use DC power at the same time. If using both AC and DC output sockets, note that the total power does not exceed the sum of AC and DC power.

DC application

The output voltage of DC socket is 15-20 V, for 12V DC load only.

- When AC power is used, DC power supply can be used.
- Overload of DC may make DC over protector act. Firstly, remove the DC load, wait for a few minutes, and then reset the button of DC protector.

AC application

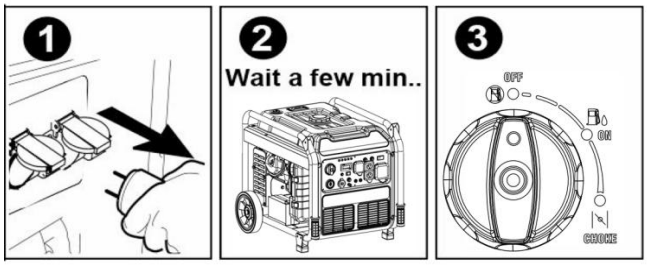
1. Start the engine, make sure the AC output light (green) is on.
2. Turn off the power supply switch and plug the device into the generator's output socket.

NOTE: In order to obtain the best operation effect and the maximum service life of the generator, the new generator should run for at least 20 hours under 50% load, so that the engine performance can be optimized.

Stop The Generator

WARNING: Never stop the engine with electrical devices connected and with the connected devices **in the "ON" position.**

1. Shut off all loads and unplug electrical loads from generator panel receptacles.
2. Let engine run at no-load for several minutes to stabilize internal temperatures of engine and generator.
3. Turn the Fuel Tap to the "OFF" position.



WARNING: Be sure the Fuel Tap is in the "OFF" position when stopping, transporting, or storing the generator.

MAINTENANCE

The purpose of maintenance and periodic maintenance is to keep the generator in the best operating condition.

WARNING: Improper maintenance or failure correct a problem before operation can cause a malfunction and result in property damage, serious injury or DEATH. lease use our original spare parts or the same quality parts when replacing damaged parts. Improper maintenance will void your warranty.

DANGER: Accidental starts can cause severe injury or death. Remove the spark plug cap and ground generating set before performing any service.

WARNING: The filter element may contain PAHs, **which are harmful to your health.** Please wear gloves during air filter maintenance.

Items \ Frequency		Each time	First 1 month or first 20hrs of operation	Thereafter, every 3 months or every 50hrs of operation	Every year or every 100 hrs of operation
Engine oil	Check-Refill	√			
	Replace		√	√	
Reduction gear oil(if equipped)	Oil level check	√			
	Replace		√	√	
Air filter element	Check	√			
	Clean		√		
	Replace			√	
Deposit Cup (if equipped)	Clean				√
Spark Plug	Check-adjust				√
	Replace	Every year or 250 hrs of operation			
Spark arrester	Clean			√	
Idling (if equipped)*	Check-adjust				√
Valve clearan -ce *	Check-adjust				√
Fuel tank & fuel filter *	Clean				√
Fuel line	Check	Every 2 years(change if necessary)			
Cylinder head, piston	Clean up carb -on *	<225cc, Every 125hrs ≧225cc, Every 250hrs			

* These items should be maintained and repaired by our authorized dealer, unless the owner has appropriate tools and is proficient with mechanical maintenance.

Maintenance Schedule

- If the gasoline engine frequently works under high temperature or heavy load, change the oil every 25 hours.
- If the engine frequently works under dusty or other severe circumstances, clean the air filter element every 10 hours; If necessary, change the air filter element every 25 hours.
- If maintenance period and the exact time(hour), the one which comes first should govern.
- If you have missed the scheduled time to maintain your engine, do it as soon as possible.

Generator Maintenance

WARNING: Never clean the generator when it is running! Never use water to clean the generating set. Water can enter the generating set through the cooling slots and damage the generating set winding.

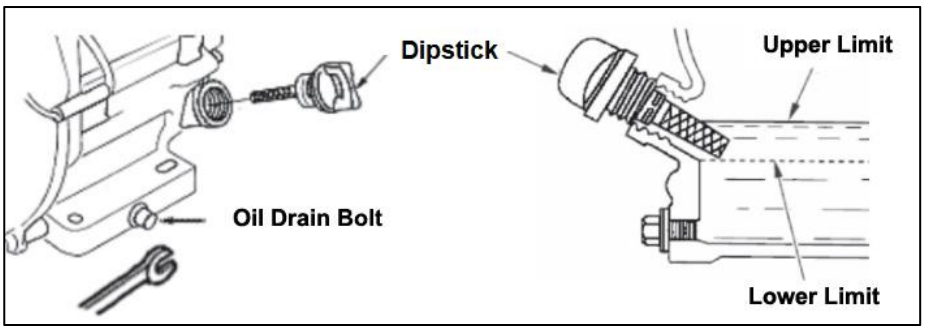
WARNING: Do not modify the generator in any way. Do not tamper with governed speed. Generator supplies correct rated frequency and voltage when running at factory set. Tampering with the factory set governor will void your warranty.

- Make certain that the generator is kept clean and stored properly.
- Use a dry cloth to clean exterior surfaces of the generating set. Use a soft brush to clean the dirt and oil.
- Use an air compressor (25 PSI) to clear dirt and debris from the generating set.
- Inspect all air vents and cooling slots to ensure that they are clean and unobstructed.

Changing the oil

WARNING: Change the oil when the engine is warm form operation. The oil can reach up to 140℃under that condition. Careful operation should be taken to prevent burns**.**

1. Place the machine on a level surface.
2. Unlock the oil maintenance cover and remove the dipstick.
3. Turn open the oil drain bolt and drain the oil (collect it with a waste oil box).
4. Install the oil drain bolt and tighten it.
5. Add recommended oil to the upper limit(H).
6. Fully tighten the dipstick.

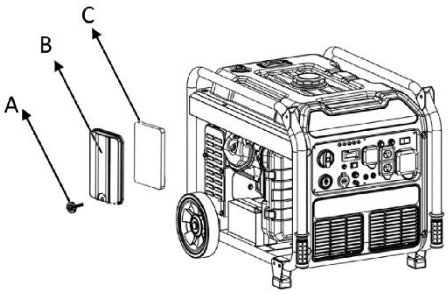


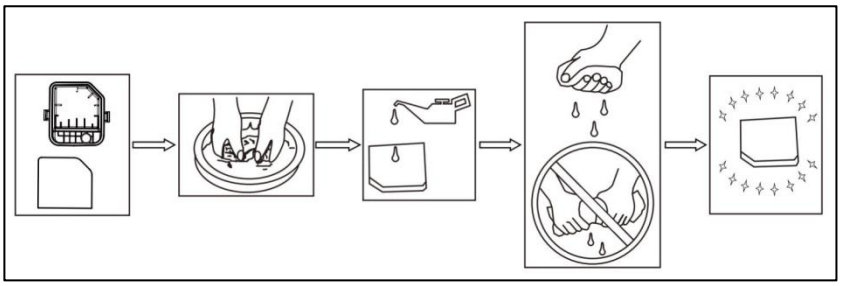
NOTE: For conforming to the environment requirement, the used oil will be put into a sealed container and then be transported to the service station for recycle. Do not throw it into the trash or pour it on the ground.

Air Filter Maintenance

WARNING: Do not run the engine without the air filter, or serious danger can result.
A dirty Air Cleaner will restrict air flow into the carburetor. Please clean and maintain the air cleaner regularly to prevent carburetor clogging.
If the generator is often used in dusty areas, the air cleaner will require more frequent maintenance.

1. Unscrew the bolt for the air filter maintenance cover .
2. Remove the foam air filter.
3. Wash in liquid detergent and warm water.
4. Squeeze out moisture through a clean cloth. (DO NOT TWIST).
5. Saturate in clean engine oil.
6. Squeeze in a clean absorbent cloth to remove all excess oil.
7. Assemble the filter element onto the filter unit.
8. Reinstall the bolt of the air filter cover.





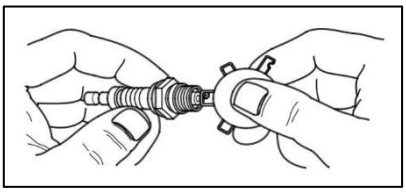
Spark Plug Maintenance

Spark Plug Gap: 0.76mm. Spark Plug Tighten Torque: 12.5N.m

The spark plug is important for proper engine operation. A good spark plug should be intact, free of deposits, and properly gapped. Refer to Recommended Maintenance Schedule. To inspect the spark plug:

IMPORTANT: Disassemble the fuel tank firstly before replacing the spark plug.

1. Take off the spark plug cap.
2. Using the spark plug spanner to loosen and take off the spark plug.
3. Check the spark plug, if the spark plug insulator cracked or chipped, change a new one. Clean any dirt from the spark plug cap and spark plug base with wire brush if reuse it.
4. Measure the spark plug gap with a standard gauge. The normal value should be 0.76mm, adjust if necessary.
5. Carefully thread the spark plug into the engine by hand and install it finger tight, then use a spark plug wrench, tighten the plug by an additional 3/8 to 1/2 turn.
6. Attach the spark cap to the plug and connect the spark plug wire to the plug.



CAUTION: Only use recommended spark plug or equivalent. Do not use spark plugs that have improper heat range.

Valve Clearance

IMPORTANT NOTE: If uncomfortable about doing this procedure, or the proper tools are not available, take generator to the nearest service center to have valve clearance adjusted.

Check valve clearance after the first fifty-hours of operation. Adjust as necessary.

Intake-0.15±0.02mm (cold)·

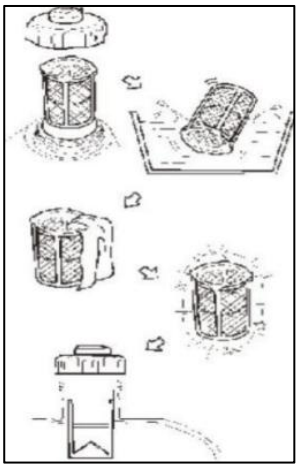
Exhaust-0.20±0.02mm (cold)

Spark Collector Maintenance

WARNING: The spark collector must be maintained for every 100 hours of engine operation.

1. When the muffler is cooled, loosen the screws from the muffler outlet and take off the spark collector.
2. Use a brush to clean the carbon deposits on the spark collector. If the spark collector is damaged, and replace it.
3. Re-install the spark collector.

Fuel Tank Filter Maintenance



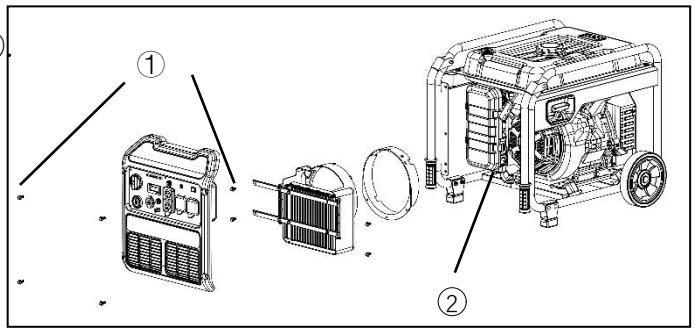
WARNING: Never use the gasoline while smoking or in the vicinity of an open flame.

1. Remove the fuel tank cap and filter.
2. Clean the filter with gasoline.
3. Wipe the filter and install it.
4. Install the fuel tank cap.

NOTE: Be sure the fuel tank cap is tightened securely.

Replace the recoil starter

1. Remove the control panel by unscrewing bolt ①.
2. Loosen bolt ② on the recoil starter.
3. Loosen the two bolts beside the generator and replace new recoil starter.
4. Install the panel back.



Transport And Storage

WARNING: Gasoline is highly flammable and extremely explosive. Empty the fuel tank before storing or transporting this generating set.

To prevent fuel spillage when transporting or during temporary storage, the generating set should be secured upright in its normal operating position with the engine switch OFF. The combination switch should be in the “stop” position.

When transporting

- Do not overfill the tank.
- Do not operate the generating set while it is on vehicle. Take the generating set off the vehicle and use it in a well-ventilated place. Avoid a place exposed to direct sunlight when putting the generating set on a vehicle. If the generating set is left in an enclosed vehicle for many hours, high temperature inside the vehicle could cause fuel to vaporize resulting in a possible explosion.
- The generator must not be transported a long time on rough road. If you have to drive on a road like this, drain off the gasoline and oil beforehand.

When storage for a long period

The generating set should be started at least once every 2 weeks and allowed to run for at least 20 minutes. Follow the instructions below for longer term storage if the generating set will be out of service for 2 months or more.

- Allow the generating set to cool completely before storage.
- Clean the generating set according to instruction in maintenance section. DO NOT store fuel from one season to another unless properly treated.
- Drain all fuel completely from the fuel tank, fuel hose and carburetor to prevent gum from forming.
- Turn fuel tap to OFF position.
- Change the oil.
- Remove the spark plug and pour about 15ml of oil into the cylinder. Crank the engine slowly to distribute the oil and lubricate the cylinder.
- Cover unit with a suitable protective, moisture resistant cover.
- Replace fuel container if rust is present. Rust in fuel will cause fuel system problems.
- Always store generator and fuel away from heat and ignition sources.
- Store the unit in a clean, dry area out of direct sunlight.

TROUBLESHOOTING

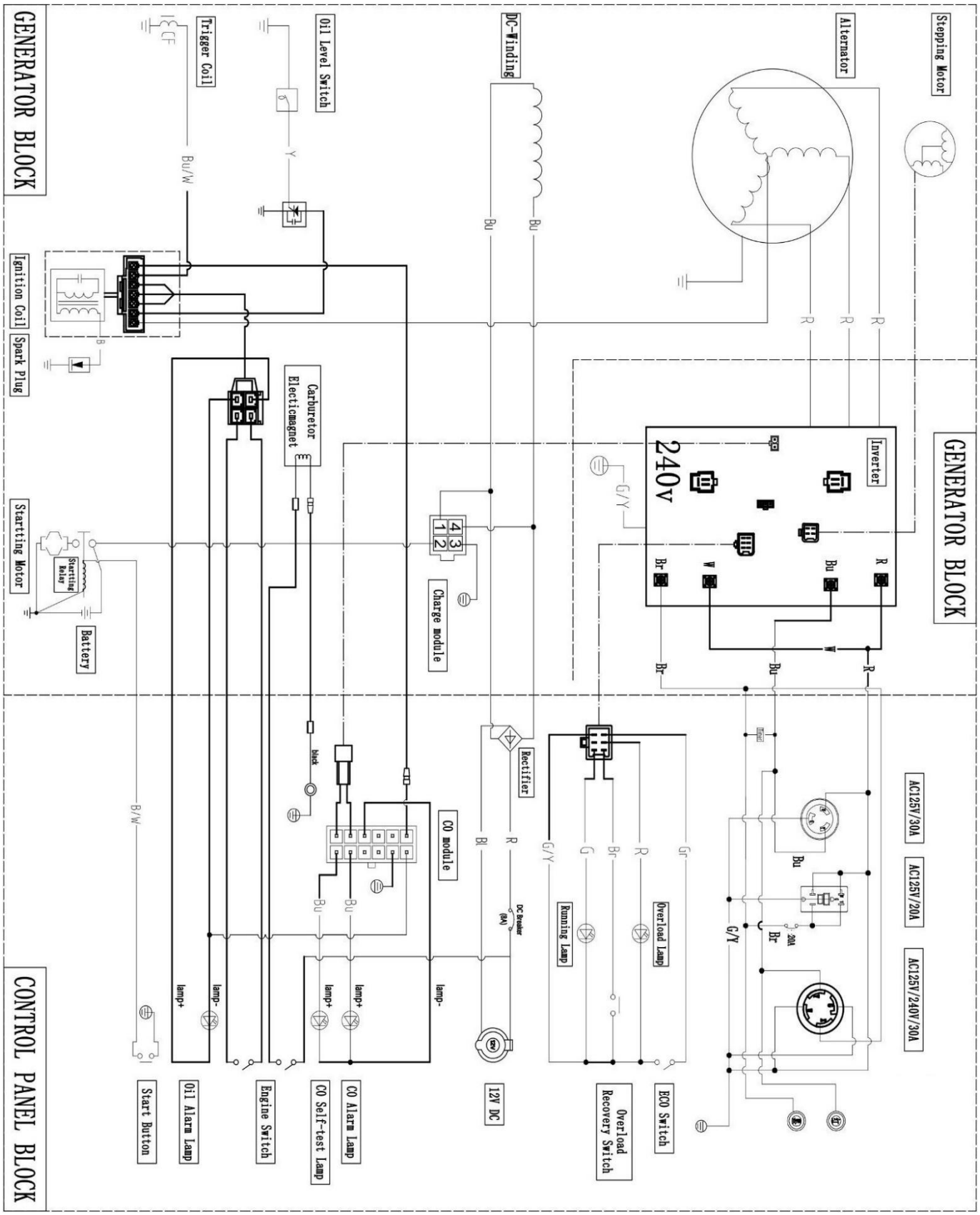
Problem	Possible Causes	Probable Solutions
Engine will not start	FUEL RELATED:	FUEL RELATED:
	1. No fuel in tank or fuel valve closed.	1. Fill fuel tank with fresh 87+ octane stabilizer-treated unleaded gasoline and open fuel valve. **Do not use gasoline with more than 10% ethanol (E15, E20, E85, etc.).**
	2. Choke not in START position, cold engine.	2. Move Choke to START position.
	3. Gasoline with more than 10% ethanol used. (E15, E20, E85, etc.)	3. Clean out ethanol rich gasoline from fuel system. Replace components damaged by ethanol. Use fresh 87+ octane stabilizer-treated unleaded gasoline only. **Do not use gasoline with more than 10% ethanol (E15, E20, E85, etc.).**
	4. Low quality or deteriorated, old gasoline.	4. Use fresh 87+ octane stabilizer-treated unleaded gasoline. **Do not use gasoline with more than 10% ethanol (E15, E20, E85, etc.).**
	5. Carburetor not primed.	5. Pull on Starter Handle to prime.
	6. Dirty fuel passageways.	6. Clean out passageways using fuel additive. Heavy deposits may require further cleaning.
	7. Carburetor needle stuck. Fuel can be smelled in the air.	7. **Gently** tap side of carburetor float chamber with screwdriver handle.
	8. Too much fuel in chamber. This can be caused by the carburetor needle sticking.	8. Turn Choke to RUN position. Remove spark plug and pull the start handle several times to air out the chamber. Reinstall spark plug and set Choke to START position.
	9. Clogged Fuel Filter.	9. Replace Fuel Filter.
	IGNITION (SPARK) RELATED:	IGNITION (SPARK) RELATED:
	1. Power Switch at OFF position.	1. Turn Power Switch to ON.
	2. Spark plug cap not connected securely.	2. Connect spark plug cap properly.
	3. Spark plug electrode wet or dirty.	3. Clean spark plug.
	4. Incorrect spark plug gap.	4. Correct spark plug gap.
	5. Spark plug cap broken.	5. Replace spark plug cap.
	6. Circuit breaker tripped (electric start models only).	6. Reset circuit breaker. Check wiring and starter motor if breaker continues to trip.
	7. Incorrect spark timing or faulty ignition system.	7. Have qualified technician diagnose/ repair ignition system.
	COMPRESSION RELATED:	COMPRESSION RELATED:
	1. Cylinder not lubricated. Problem after long storage periods.	1. Pour tablespoon of oil into spark plug hole. Crank engine a few times and try to start again.
	2. Loose or broken spark plug. (Hissing noise will occur when trying to start.)	2. Tighten spark plug. If that does not work, replace spark plug. If problem persists, may have head gasket problem, see #3.
	3. Loose cylinder head or damaged head gasket. (Hissing noise will occur when trying to start.)	3. Tighten head. If that does not remedy problem, replace head gasket.
	4. Engine valves or tappets mis-adjusted or stuck.	4. Have qualified technician adjust/ repair valves and tappets.
	ENGINE OIL RELATED:	ENGINE OIL RELATED:
	1. Low engine oil.	1. Fill engine oil to proper level. Check engine oil before EVERY use.
	2. Engine mounted on slope, triggering low oil shutdown.	2. Operate engine on level surface. Check engine oil level.
	SPARK ARRESTOR RELATED:	SPARK ARRESTOR RELATED:
	1. Spark Arrestor clogged with soot.	1. Clean and replace Spark Arrestor.

Follow all safety precautions whenever diagnosing or servicing the generator or engine.

Problem	Possible Causes	Probable Solutions
Engine misfires	1. Spark plug cap loose. 2. Incorrect spark plug gap or damaged spark plug. 3. Defective spark plug cap. 4. Old or low quality gasoline. 5. Incorrect compression.	1. Check cap and wire connections. 2. Re-gap or replace spark plug. 3. Replace spark plug cap. 4. Use only fresh 87+ octane stabilizer-treated unleaded gasoline. **Do not use gasoline with more than 10% ethanol (E15, E20, E85, etc.).** 5. Diagnose and repair compression. (Use **Engine will not start: COMPRESSION RELATED** section.)
Engine stops suddenly	1. Carbon Monoxide level high. Red light on Carbon Monoxide Sensor illuminates. 2. CO Sensor Alarm flashes yellow continually shortly after starting. 3. CO Sensor Alarm flashes yellow continually after longer period of operation. 4. Low oil shutdown. 5. Fuel tank empty or full of impure or low quality gasoline. 6. Defective fuel tank cap creating vacuum, preventing proper fuel flow. 7. Faulty magneto. 8. Disconnected or improperly connected spark plug cap.	1. Leave area immediately and allow area to ventilate thoroughly. Only operate generator outside. 2. Carbon monoxide sensor malfunction. Sensor needs service. Do not use the Generator until the sensor is working properly. 3. Make sure to operate generator within rated ambient temperature; maintain minimum 5 ft. clearance from all sides. 4. Fill engine oil to proper level. Check engine oil before EVERY use. 5. Fill fuel tank with fresh 87+ octane stabilizer treated unleaded gasoline. Do not use gasoline with more than 10% ethanol (E15, E20, E85, etc.). 6. Test/replace fuel tank cap. 7. Have qualified technician service magneto. 8. Secure spark plug cap.
Engine stops when under heavy load	1. Dirty air filter 2. Engine running cold.	1. Clean element. 2. Allow engine to warm up prior to operating equipment.
Engine knocks	1. Old or low quality gasoline. 2. Engine overloaded. 3. Incorrect spark timing, deposit buildup, worn engine, or other mechanical problems.	1. Fill fuel tank with fresh 87+ octane stabilizer-treated unleaded gasoline. **Do not use gasoline with more than 10% ethanol (E15, E20, E85, etc.).** 2. Do not exceed equipment's load rating. 3. Have qualified technician diagnose and service engine.
Engine backfires	1. Impure or low quality gasoline. 2. Engine too cold. 3. Intake valve stuck or overheated engine. 4. Incorrect timing.	1. Fill fuel tank with fresh 87+ octane stabilizer-treated unleaded gasoline. **Do not use gasoline with more than 10% ethanol (E15, E20, E85, etc.).** 2. Use cold weather fuel and oil additives to prevent backfiring. 3. Have qualified technician diagnose and service engine. 4. Check engine timing.
Attached device doesn't have power	1. Device not plugged in properly. 2. Circuit Breaker tripped. 3. Product needs service.	1. Turn off and unplug the device, then plug it back in again and turn on. 2. Turn off and unplug device, reset Circuit Breaker, plug in device and turn on. 3. Have product repaired.
Attached device begins to operate abnormally	1. Problem with device. 2. Rated load capacity exceeded.	1. Immediately unplug device. Have device repaired by a qualified technician, or replace device. 2. Lower the number of items plugged into the generator to stay within the rated capacity, or use a more powerful generator.

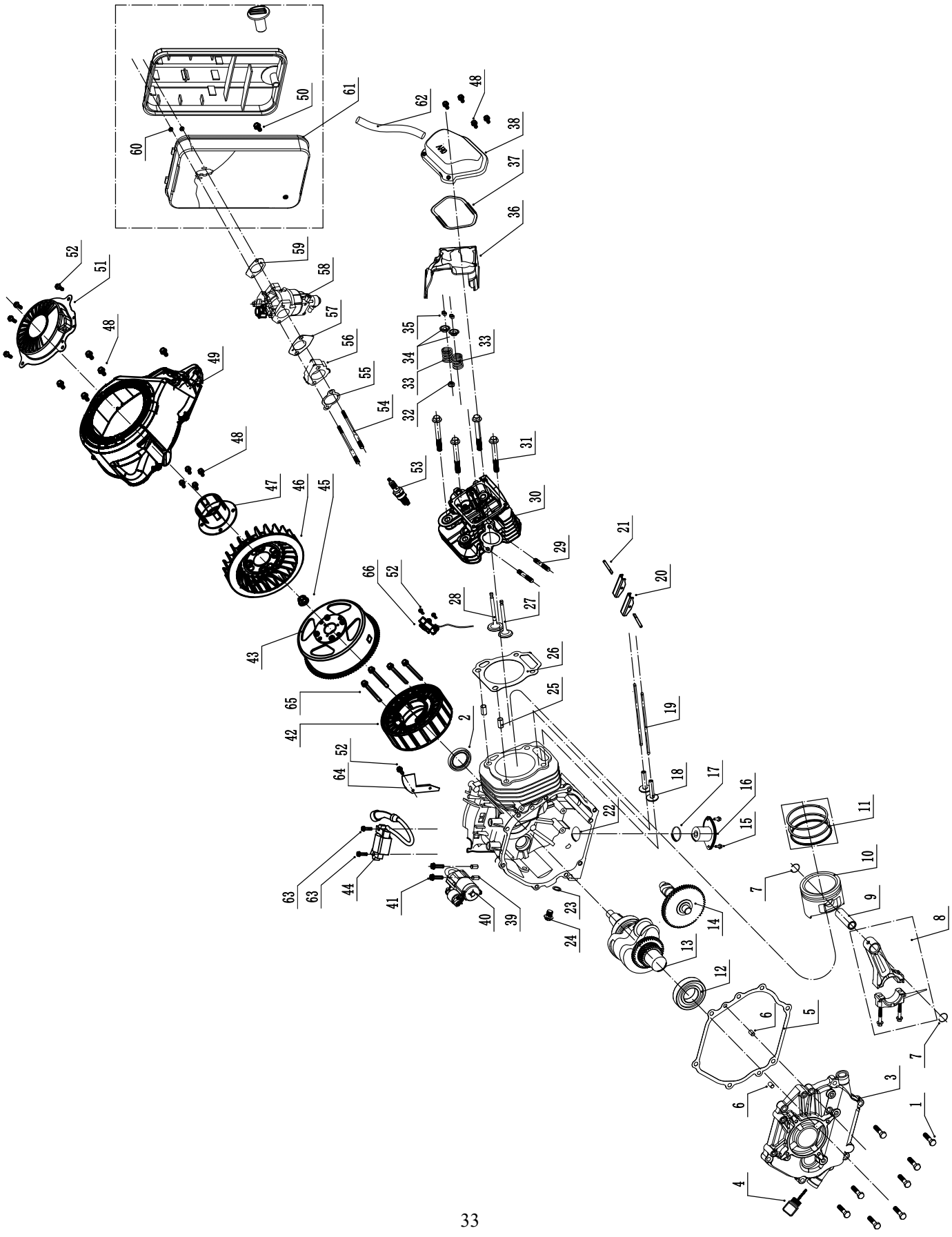
Follow all safety precautions whenever diagnosing or servicing the generator or engine.

WIRINGDIAGRAM



EXPLODEDVIEW&PARTSLIST

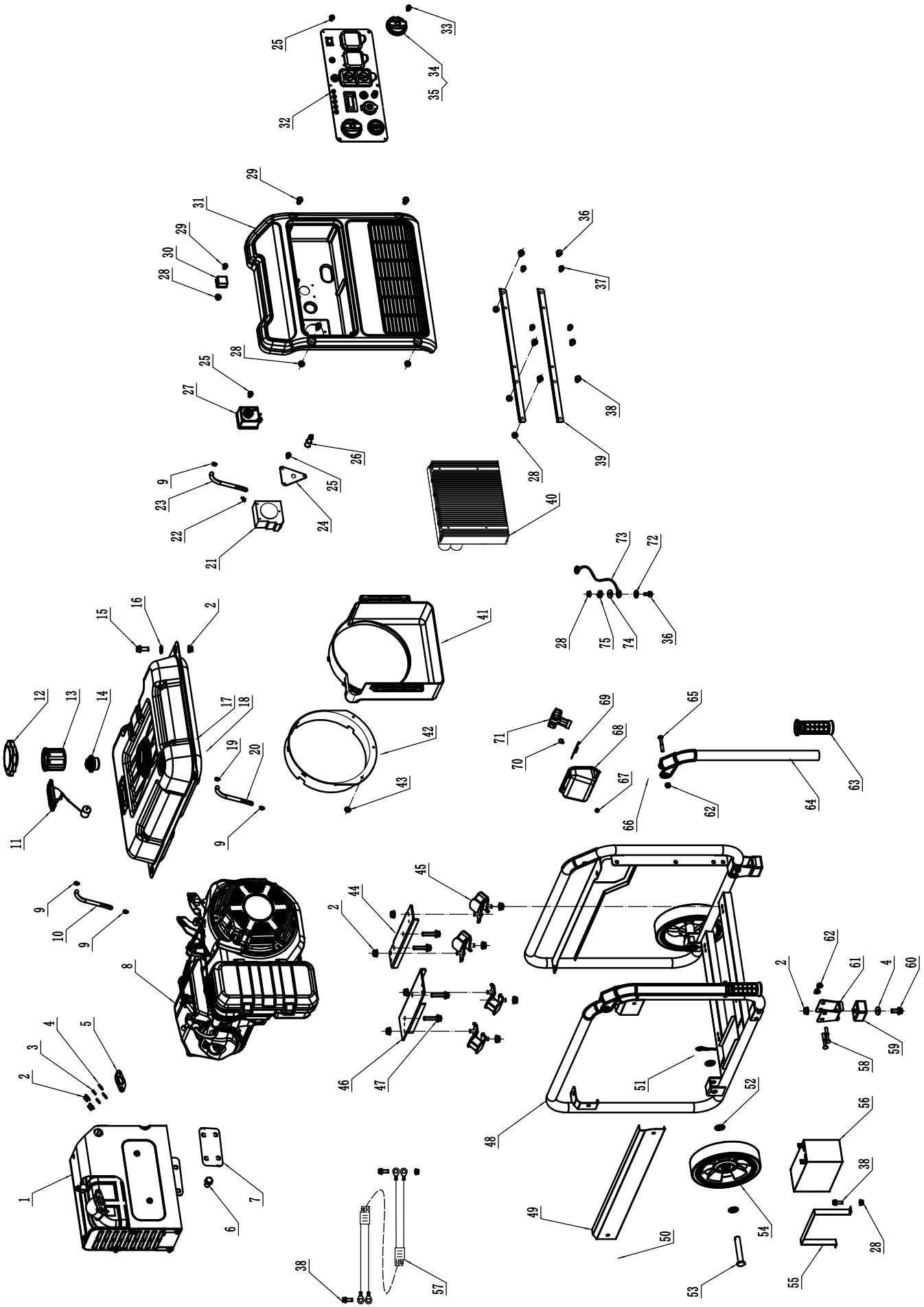
Engine Exploded View&Part List



Item	CODE	DESCRIPTION	QTY.
1	511050803801	Bolts M8X38	8
2	522010100501	Oil sealing B3046	1
3	012490000600	Crankcase cover	1
4	012490000500	Oil dipstick	1
5	012490000800	Crankcase gasket	1
6	514010801200	Pin 8X12	2
7	012490004300	Piston pin circlip	2
8	012490200000	Connect rod assy	1
9	012490004200	Piston pin	1
10	012490000100	Piston	1
11	012490100000	Piston ring set	1
12	521010010402	bearing 6206	1
13	012490300000	crankshaft	1
14	012490500000	cam shaft	1
15	511130601601	Bolts M6X16	2
16	012490000700	oil alarm sensor	1
17	523010104300	O ring （Φ27.5x2.5F）	1
18	012490003200	valve tappet	2
19	012490003100	valve lifter	2
20	012490002300	Valve rocket assy	2
21	012490002400	Rocker pin	2
22	012490000200	Crankcase	1
23	019990001500	Oil drain plug M12	1
24	019990001400	Gasket, oil drain plug	1
25	514011202000	pin12X20	2
26	012490001700	cylinder head gaskets	1
27	012490002900	Exhaust valve	1
28	012490003000	Intake valve	1
29	516040803401	Bolts M8X34	2
30	012490001600	cylinder head	1
31	511051008006	Bolts M10X80	4
32	012580000400	Oil seal, pipe	1
33	012490002800	valve spring	2

Item	CODE	DESCRIPTION	QTY.
34	012490002700	valve spring seat	2
35	012490002600	valve lock	4
36	012490001400	Sealing ring	1
37	012490001300	cylinder head cover gasket	1
38	012490001000	cylinder head cover	1
39	514011001000	pin10x10	2
40	012490400000	Starter	1
41	511050803301	Bolts M8X33.5	2
42	3VDZ750201	Motor stator	1
43	3VZZ750201	Flywheel	1
44	012490004102	Ignition coil	1
45	012020002900	Nut M14×1.5	1
46	012490003800	Flywheel fan	1
47	012490000900	Starting flange	1
48	511130601801	Bolts M6X18	8
49	012490001900	Wind hood	1
50	511050602201	Bolts M6X22	1
51	012490700000	Recoil starter	1
52	511130601202	Bolts M6X12	7
53	01202000330006	spark plug	1
54	516050611201	Bolts M6X112	2
55	012490003300	Intake valve gasket	1
56	012490003400	carburator Cushion block	1
57	012490003500	carburator gasket	1
58	012490800000	carburator	1
59	012490003600	Air filter gasket	1
60	512040600001	Nut M6	2
61	012490900000	Air filter	1
62	012490001100	Breathing tube	1
63	511130602001	Bolts M6X20	7
64	012490000301	Wire pressing plate	1
65	511050607001	Bolts M6X70	4
66	012490003900	Trigger	1

Generator Exploded View&Part List



Item No.	CODE	DESCRIPTION	QTY.	Item No.	CODE	DESCRIPTION	QTY.
1	029042500001	Muffler	1	29	511050602001	Bolts- M6X20	5
2	512040800001	Nut M8	16	30	029029904801	Charging module	1
3	513020800000	Spring washer 8	2	31	029025900100	PANEL BACK COVER	1
4	513010800001	Flash washer C8	4	32	029025900009	Control panel	1
5	012490003700	Gasket, muffler	1	33	511200402005	Bolts- M4X20	1
6	511050801401	Bolts- M8X14	4	34	026160003700	Knob	1
7	029840202100	Muffler baffle	1	35	026160003801	Knob cover	1
8	012490000001	321cc engine	1	36	511050601601	Bolts- M6X16	5
9	029019900408	clamp, Φ7	5	37	511050501201	Bolts- M5X12	4
10	029019900100	Fuel hose	0.4	38	511050601201	Bolts- M6X12	5
11	029019903807	Fuel gauge	1	39	026390000100	Invertor bracket	2
12	029019901133	Fuel Tank Cap	1	40	029031101110	Invertor	1
13	029019900606	Filter cup, fuel tank	1	41	026390000200	Invertor Cover	1
14	029019990019	Valve	1	42	026390000700	Sealing ring	1
15	510050802501	Bolts- M8X25	4	43	518060500000	Retaining ring,,Φ5	3
16	029019910001	cushion block	4	44	026390000300	Base plate	1
17	029010570121	Fuel tank	1	45	029910303401	Vib mounts	4
18	029019900615	Filter, fuel tank	1	46	026390000400	Base plate	1
19	029019900411	clamp, Φ10	1	47	511051002501	Bolts- M10X25	4
20	029019902203	Fuel hose	1	48	026390200001	Cradle	1
21	026390000900	Combination switch	1	49	026390001001	Left side plate	2
22	029019900412	clamp, Φ9	1	50	511050601205	Bolts- M6X12	2
23	029019902103	Fuel hose	0.22	51	514020000101	Pin	2
24	026160004000	rod fixed plate	1	52	513011200000	Flash washer C12	6
25	517050401204	screw ST4.2X12	11	53	029052502102	Axle	2
26	026160003900	Knob connecting rod	1	54	029050501421	Wheel	2
27	029993100403	CO Sensor	1	55	029969900115	Battery fixing plate	1
28	512040600001	Nut M6	14	56	029961800500	Battery	1

Item No.	CODE	DESCRIPTION	QTY.
57	029969900290	Battery wire	1
58	511110604005	Bolts- M6X40	4
59	029910100100	cylinder vib mounts	2
60	511050802001	Bolts- M8X20	2
61	029053300101	Tripod	2
62	512070600000	Nut M6	4
63	029050103501	Handle cover	2
64	029053310001	Handle tube	2
65	511110603705	Bolts- M6X37	2
66	029053300501	Hole plug	2
67	512030500000	Nut M5	2
68	026300000821	Handle Cover	1
69	026310002000	PULL ROPE GUIDE PLATE	1
70	511200501205	Bolts- M5X12	2
71	026300002201	Handle	1
72	513030600000	locking washer 6	2
73	029930000401	Grounding wire	1
74	513010600001	Flash washer C6	1
75	513020600000	Spring washer 6	1

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