We Power Your World !

Owner's Manual for Inverter Generator

GN1000iP

GN2200iP

GN2500iP

GN2500iEP

Green-Power America, LLC

Products Service Information

Green-Power America LLC thanks you for choosing a Green-Power America product.

Please register your product within 10 days of purchase to ensure that you receive optimal service. Keep copy of your original receipt.

Registering your product, you are protected:

1, You have a record of the product purchase,

2, Customer Service can better serve you on Warranty related issues,

3, Green Power America will be able to contact you in the unlikely event that a product recall notification is necessary.

You can register your product in one of two ways as follows:

Option 1:

Access to the Green Power America website at www.green-poweramerica.com/service and follow the instructions to register online following the instructions to register online.

Option 2:

Fill out the form on the Warranty Card include in the box and return via standard mail to Green Power America at 840 9th Street Suite H, Upland CA 91786. Please note that postage is required to mail the registration form back to Green-Power America.

If you still have any questions regarding the usage or operation of your generator after you have carefully read the manual, or if you have any quality issues during operation, please call our toll-free service number shown below:

888-834-4218

OR

You may contact Green-Power through email:
service@green-poweramerica.com.

CONTENTS

WARNING! READ AND UNDERSTAND ALL SAFETY PRECAUTIONS IN THIS MANUAL BEFORE OPERATIONG.FAILURE TO COMPLY WITH INSTRUCTIONS IN THIS MANUAL COULD RESULT IN PERSONAL INJURY, PROPERTY DAMAGE. AND/OR VOIDING OF YOUR WARRANTY, GREEN-POWER AMERICA, LLC (HEREINAFTER IN SHORT "GREEN-POWER" OR" GPA) WILL NOT BE LIALE FOR ANY DAMAGE BECAUSE OF FAILURE TO FOLLOW THESE INSTRUCTIONS.

1. SAFETY INFORMATION

1）EXHAUST FUMES ARE POISONOUS

- Never operate the engine in a closed area or it may cause unconsciousness and death within a short time. Operate the engine in a well ventilated area.

2）FUEL IS HIGHLY FLAMMABLE AND POISONOUS

- Always turn off the engine when refueling
- Never refuel while smoking or in the vicinity of an open flame.
- Take care not to spill any fuel on the engine or muffler when refueling.
- If you swallow any fuel, inhale fuel vapor, or allow any to get in your eyes, see your doctor immediately. If any fuel spills on your skin or clothing, immediately wash with soap and water and change your clothes.
- When operating or transporting the machine, be sure it is kept upright. If it tilts, fuel may leak from the carburetor or fuel tank.

3）ENGINE AND MUFFLER MAY BE HOT (See Fig. 1)

- Place the machine in a place where pedestrians or children are not likely to touch the machine.
- Avoid placing any flammable materials near the exhaust outlet during operation.
- Keep the machine at least 1 m (3 ft) from buildings or other equipment, or the engine may overheat.
- Avoid operating the engine with a dust cover.
- Be sure to carry the generator only by its carrying handle.
- Put the machine on the flat ground, for the machine eliminating heat freely.

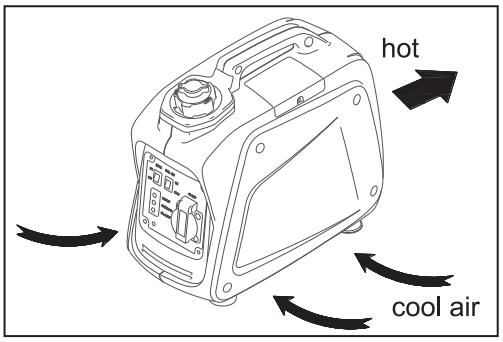
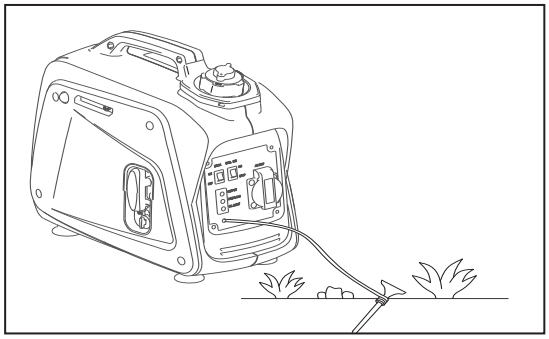


Fig. 1

4）ELECTRIC SHOCK PREVENTION (See Fig. 2)

- Never operate the engine in rain or snow.
- Never touch the machine with wet hands or electrical shock will occur.
- Be sure to ground (earth) the generator.
  NOTE:
  ---Use ground (earth) lead of sufficient current capacity.
  —Diameter: 0.12mm (0.005 in)/ampere
  ––EX: 10 Ampere --1.2mm (0.055 in)

Fig. 2



5）CONNECTION NOTES

- Avoid connecting the generator to commercial power outlet.
- Avoid connecting the generator in parallel with any other generator.

2. CONTROL FUNCTION

DESCRIPTION (See Fig. 3)

(1) Economy control switch	(2) Engine switch	(3) Fuel tank
(4) Spark plug	(5) Muffler	(6) Carrying handle
(7) Choke lever	(8) AC pilot light	(9) Overload indicator light
(10) Oil warning light	(11) Ground (earth) terminal	(12) DC protector
(13) DC receptacle	(14) AC receptacle	(15) Frequency Transfer Switch
(16) Fuel filter	(17) Fuel tank cap	(18) Fuel pump
(19) Recoil starter	(20) Fuel cock	(21) Oil filler cap
(22) Air filter cover		

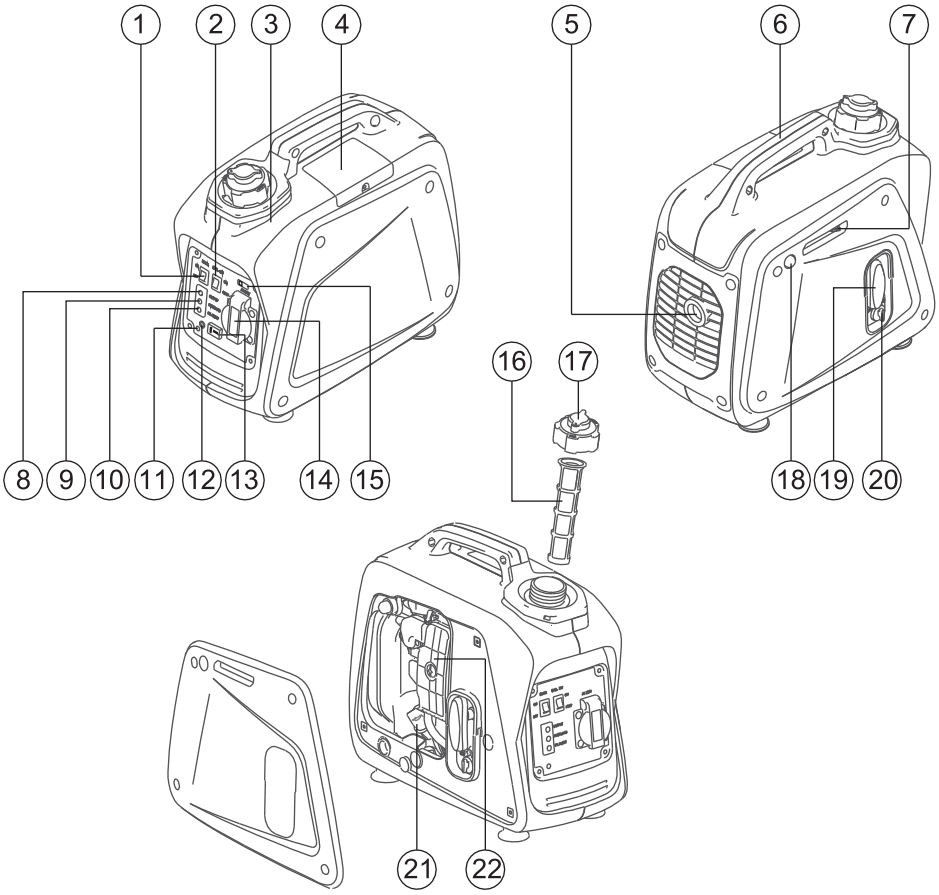


Fig. 3

1）OIL WARNING SYSTEM (See Fig. 4-1)

When the oil level falls below the lower level, the engine stops automatically. Unless you refill with oil, the engine will not start again.

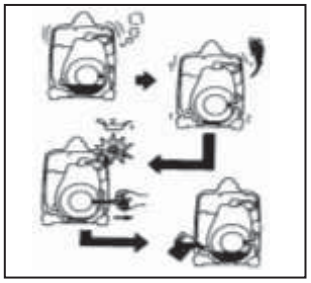


Fig. 4-1

2）ENGINE SWITCH (See Fig. 4-2)

The engine switch controls the ignition system.

① "ON"(run)
Ignition circuit is switched on. The engine can be started.
② "OFF"(stop)

Ignition circuit is switched off. The engine will not run.

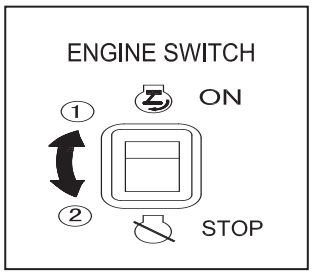


Fig. 4-2

3）ECONOMY CONTROL SWITCH (See Fig.4-3)

When the economy control switch is turned "ON", the economy control unit control the engine speed according to the connected load. The results are better fuel connection and less noise.

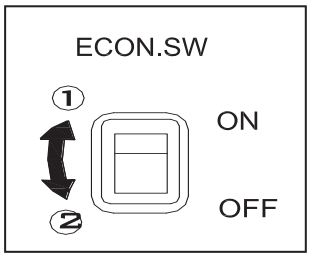


Fig. 4-3

4）DC CIRCUIT PROTECTOR (See Fig. 4-4)

The DC circuit protector turns off automatically when the load exceeds the generator rated output.

Fig. 4-4

CAUTION:

Reduce the load to within specified generator rated output if the DC circuit protector turn off.

5）FUEL TANK CAP AIR VENT KNOB (See Fig 4-5)

The fuel tank cap is provided with an air vent knob to stop fuel flow. The air vent knob must be turned once clockwise from the closed position. This will allow fuel to flow to the carburetor and the engine to run.
When the engine is not in use, tighten the air vent knob counterclockwise until it is finger-tight to stop fuel flow.

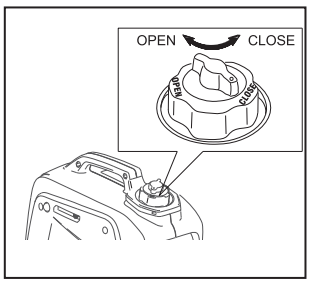


Fig. 4-5

6）FUEL COCK　(See Fig 4-6)

The fuel cock is used to supply fuel from the tank to the carburetor.

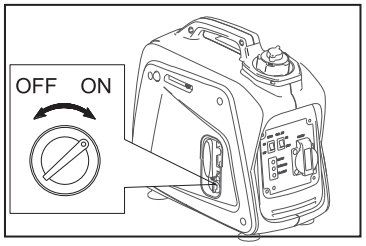


Fig. 4-6

3. PRE-OPERATION CHECK

NOTE: **Pre-operation checks should be made each time the generator is used.**

1）CHECK ENGINE FUEL　(See Fig. 5-1)

- Make sure there is sufficient fuel in the tank.
- If fuel is low, refill with unleaded automotive gasoline.
- Be sure to use the fuel filter screen on the fuel filter neck.
- Recommended fuel: Unleaded gasoline.
- Fuel tank capacity:　(see page 14)

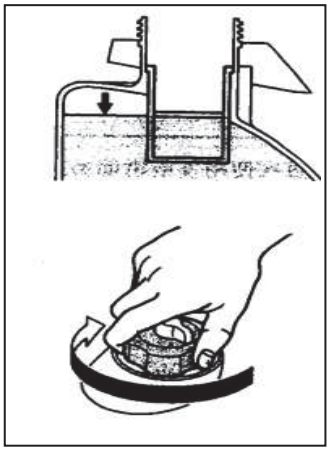


Fig. 5-1

WARNING:

Do not refill tank while engine is running or hot.

—Close fuel cock before refueling with fuel.
—Be careful not to admit dust, dirt, water or other foreign objects into fuel.
—Do not fill above the top of the fuel filter or it may overflow when the fuel heats up later and expands.
—Wipe off spilt fuel thoroughly before starting engine.
—Keep open flames away.

2）CHECK ENGINE OIL　(See Fig. 5-2)

- Make sure the engine oil is at the upper level of the oil filler hole. Add oil as necessary.
- Remove oil filler cap and check the engine oil level.
- If oil level is below the lower level line, refill with suitable oil to upper level line. Do not screw in the oil filler cap when checking oil level.
- Change oil if contaminated.
- Oil capacity: (see page 14)
- Recommended engine oil (See **Fig. 5-3**):
- API Service "SJ"

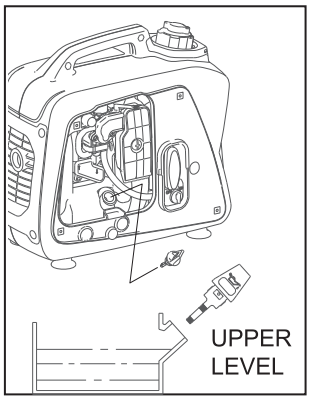


Fig. 5-2

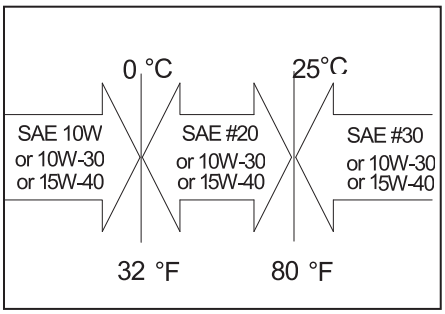


Fig 5-3

3）GROUND (Earth) (See Fig. 2)

Make sure to ground (earth) the generator.

4. OPERATION

NOTE:

—The generator has been shipped without engine oil. Fill with oil or it will not start.
—Do not tilt the generator when adding engine oil. This could result in overfilling and damage to the engine

1）STARTING THE ENGINE

NOTE: Before starting the engine, do not connect the electric apparatus. (See Fig. 6-1)

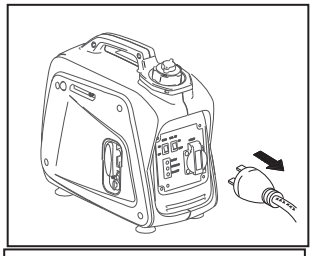


Fig. 6-1

- Open the fuel tank air vent to the "OPEN" position. (See Fig. 6-2)

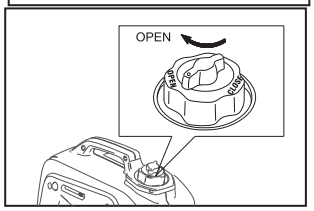


Fig. 6-2

- Turn the fuel cock lever to the "ON" position. (See Fig. 6-3)

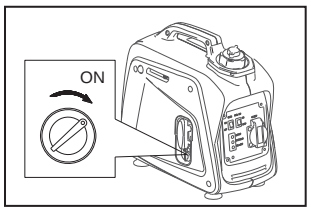


Fig. 6-3

- Turn the engine switch to the "ON" position (See Fig. 6-4)

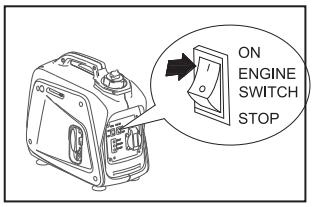


Fig. 6-4

- When first time to use the generator sets, pressing the primer bulb 6 times after refuel gasoline
- Turn the choke lever to the "CHOKE " position. Not necessary if the engine is warm. (See Fig. 7-1)

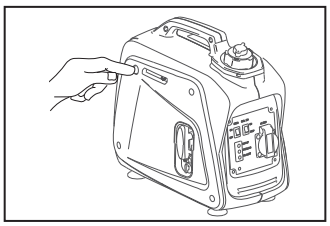


Fig. 7-1

- Pull the starter handle slowly until resistance is felt. This is the "Compression" point. Return the handle to its original position and pull swiftly. Do not fully pull out the rope. After starting, allow the starter handle to return to its original position while still holding the handle. Grasp the carrying handle firmly to prevent the generator from falling over when pulling the recoil starter. (See Fig. 7-2)

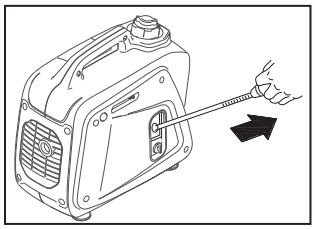


Fig. 7-2

- Warm up the engine for seconds.
- Turn the choke lever back to the "RUN "position.
  (See Fig. 7-3)

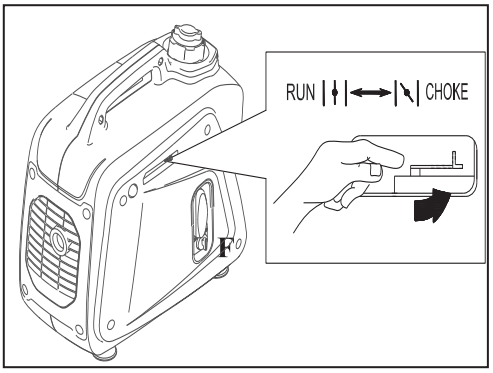


Fig. 7-3

- Warm up the engine without a load for a few minutes.

2）USING ELECTRIC POWER

- AC APPLICATION
  (a) Check the AC pilot lamp for proper voltage.
  (b) Turn off the switch(es) of the electrical appliance(s) before connecting to the generator.
  (c) Connect the electrical appliance(s).

CAUTION:

—Be sure the electric apparatus is turned off before plugging in.
—Be sure the total load is within generator rated output.
—Be sure the socket load current is within socket rated current.
—The economy control switch must be turned to "OFF" when using electric devices that require a large starting current, such as a compressor or a submergible pump.

- OVERLOAD INDICATOR LIGHT

The overload indicator light comes on (Red) when overload is detected, the inverter unit

overheats, or the AC output voltage rises up. In such cases, the electronic breaker will be activated, the output pilot light (green) will start flickering, the engine will stop running automatically after seconds for protecting the generator. If so please follow the following steps:

(a) Turn off any connected electric devices and stop the engine
(b) Reduce the total wattage of connected electric devices within the application range.
(c) Check for blockages in the cooling air inlet and around the control unit. If any blockages are found, remove.
(d) After the generator cooling down, restart the engine.

CAUTION:

—The generator AC output automatically resets when the engine stopped and is restarted.

—The overload indicator light might become on for a few seconds when some device is plugged in, which requires large starting current, such as an induct load like a air compressor or a submergible pump. However, this is not a malfunctioning issue.

- DC APPLICATION (optional)

This usage is applicable to 12V battery charging only.

(a) Connect between the DC output socket and the battery terminals using the charging leads. The leads shall be connected making sure of the (+) and (-) polarity.
(b) The DC circuit protector is to be set to "ON" after confirming the connection, if the protector is in "OFF" position.

Note:

Make sure the economy control switch is turned "OFF" while charging the battery.

3）STOPPING THE ENGINE

- Turn off the power switch of the electric apparatus and/or disconnect any electric devices.
  (See Fig. 8-1)

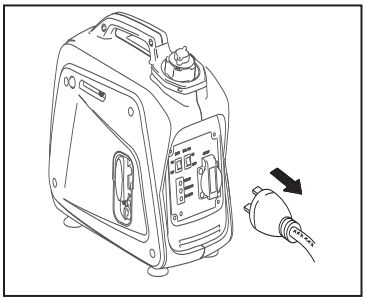


Fig. 8-1

- Turn the engine switch to “STOP” position.
  (See Fig. 8-2)

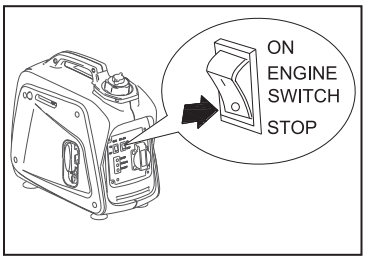


Fig.8-2

- Turn the fuel cock lever to “OFF”.
  (See Fig. 8-3)

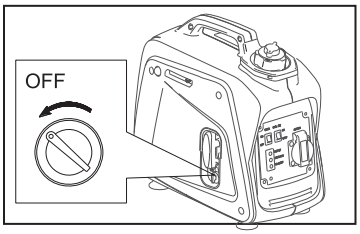


Fig. 8-3

- Turn the fuel tank cap air vent knob counterclockwise to the “CLOSED” position.
  .(See Fig. 8-4)

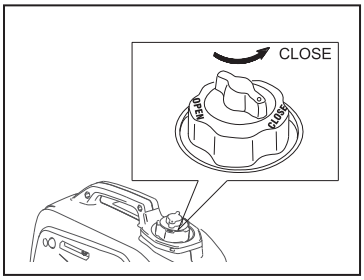


Fig. 8-4

5. DAILY MAINTENANCE

1) MAINTENANCE CHART

Daily maintenance is the regular work for maintaining the generator always in its best position, is most important for the best performance and safe operation.

The maintenance chart is shown below.

Item	Remarks	Pre-operation Check (daily)	Initial 1 months or 20 Hr	Every 3 months or 50Hr	Every 6 months or100Hr	Every 12 months or 300Hr
Spark Plug	Check condition adjust gap and clean. Replace if necessary.			●		
Engine Oil	Check oil level	●				
	Replace		●		●	
Oil filter	Clean oil filter				●	
Air Filter	Clean. Replace if necessary.			●		
Fuel Filter	Clean fuel cock filter. Replace if necessary				●	
Choke	Check choke operation	●				
Valve Clearance	Check and adjust when engine is cold.					●
Fuel Line	Check fuel hose for crack or damage. Replace if necessary.	●				
Exhaust System	Check for leakage. Retighten or replace gasket if necessary	●				
	Check muffler screen. Clean / replace if necessary.					●
Carburetor	Check choke operation	●				
Cooling system	Check fan, replace if it's damaged.					●
Starting system	Check recoil starter operation.	●				
Idle speed	Check and adjust engine idle speed					●
Fittings / Fasteners	Check all fittings and fasteners correct if necessary.				●	
Crankcase breather	Check breather hose for cracks or damage. Replace if necessary					●
Generator	Check the pilot light comes on	●				

2）ENGINE OIL REPLACEMENT

- Place the machine on a horizontal surface and warm up the engine for several minutes. Then stop the engine and turn the fuel cock knob to "OFF"". Turn the fuel tank cap air vent knob clockwise.
- Remove the side cover (see Fig.9-1).
- Remove the oil cap (Oil-Sticker).
  (See Fig. 9-2)

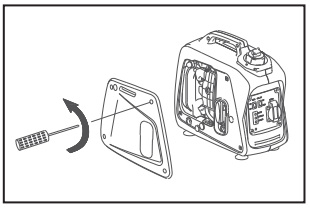


Fig. 9-1

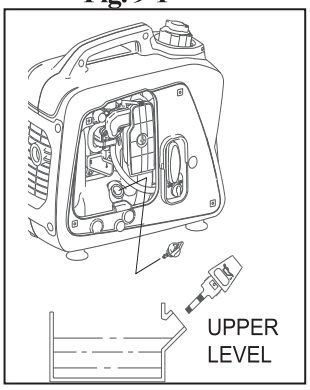


Fig. 9-2

- Tilt the generator to drain the oil to an oil pan completely. (See Fig. 9-3)

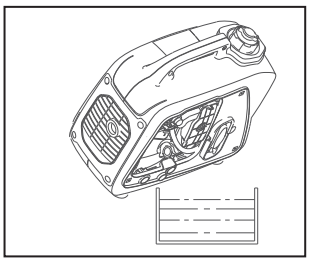


Fig. 9-3

- Place the generator on a horizontal surface.
- Fill engine oil to the upper level. (See Fig. 9-2)
- Install the oil cap (Oil-Sticker).
- Install the side cover and tighten the screw

CAUTION:

—Be sure no any debris entering into the crankcase.

—Do not tilt the generator when refilling engine oil which could result in overfilling and damage to the engine

—Clean the oil filter every other 100hr.

3）AIR FILTER

Maintaining an air cleaner in proper condition is very important. Dust may enter through improper installation, improper service, or inadequate elements damages , which results in engine wearing out fast. Keep the element always clean.

- Remove the air cleaner case cover and the element.
- Wash the element in solvent and dry.
- Oil the element and squeeze out excess oil. The element should be wet but not dripping.
- Insert the element into the air filter.
- Install the cover
  (See Fig. 10)

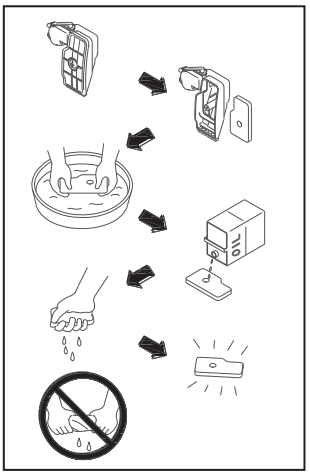


Fig. 10

CAUTION:

The engine should never run without the element, excessive wear of piston and/or cylinder might result in .

4）CLEANING AND ADJUSTING SPARK PLUG (See Fig. 11)

- Remove the cover.
- Check for discoloration and remove the carbon deposit from the electrodes.
- Check the spark plug type and gap.
- Install the spark plug.
- Install the cover

Standard electrode color: Tan Color Standard Spark Plug: XY139F-6 CMR6A (TORCH) XY156F A5RTC (TORCH) Spark Plug Gap @: 0.6-0.7 mm (0.024-0.028 in)

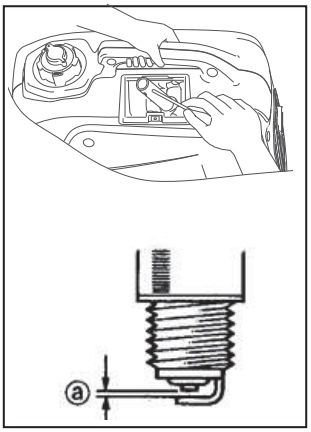


Fig. 11

5）CLEANING FUEL FILTER (See Fig. 12)

- Remove the fuel tank cap and filter.
- Clean the filter with solvent., replace it if damaged.
- Wipe the filter and insert it.

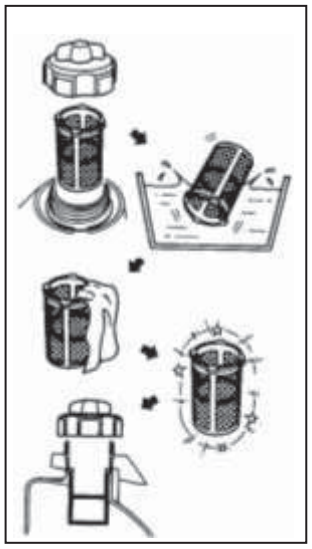


Fig. 12

WARNING:

Be sure the tank cap is tightened securely.

6）CLEANING SPARK ARRESTER

(See Fig. 13-1 and Fig.13-2)

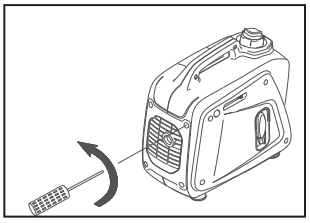


Fig. 13-1

WARNING:

—The engine and its muffler will be very hot after the engine running.

—Avoid touching the engine and the muffler while they are still hot.

- Remove the cover.
- Remove the spark arrester.
- Use the flathead screw driver to pry the spark arrester out from the muffler
- Remove the carbon deposits on the muffler screen and spark arrester.
- Install the spark arrester.
- Install the cover

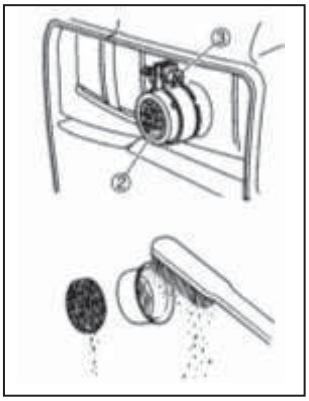


Fig. 13-2

6. TROUBLE SHOOTING

C1: Engine won't start

1) Inspect the fuel systems
   ––No fuel comes to combustion chamber/carbuyrator.
- No fuel in tank–––-Refill gas.
- Fuel in tank––Turn fuel tank cap air vent knob to "OPEN", fuel cock knob to "ON".
- Fuel hose Clogged––Clean fuel hose.
- Fuel hose kneebend––Re-organize properly or change fuel hose.
  ---Fuel comes to carburetor but no fuel going to chamber
- Carburetor clogged-—Clean carburetor.

2) Inspect the engine oil system

- Oil insufficient—-Refill oil.

3) Electrical systems
   —Poor spark (spark weat)
- Spark plug dirty with carbon deposit or wet—-Remove carbon deposit or wipe spark plug dry.
- Spark electrodes too close—-Adjust the gap to 0.6-0.7mm (refer to Fig.11)
- Spark plug electrodes ablated––Replace proper ignition spark plug.
  ---No sparks at all
- Faulty spark plug-—Change proper spark plug.
- Faulty ignition system-—Consult dealer or service shop.

4) Compression insufficient

- Worn out piston and cylinder––Consult dealer or service shop.

C2: Generator is running but no power output

1) Indicators or gauges showing electricity
- Overload protector or circuit breaker in OFF position-—Reset the protector or circuit breaker.
- Overload protector and circuit breaker in ON position—-Wire break, consult dealer or service shop.

2) No any sign showing electricity available

- Immediately contact service shop.

7. STORAGE

Long term storage of your machine will require some preventive procedures to guard against deterioration.

1）DRAIN THE FUEL

- Remove the fuel tank cap, drain the fuel from the fuel tank
- Remove the cover, drain fuel from the carburetor by loosening the drain screw.

2）ENGINE

- Remove the spark plug, pour in about one tablespoon of SAE 10W30 or 15W40 motor oil into the spark plug hole and reinstall the spark plug.
- Use the recoil starter to turn the engine over several times (with ignition off).
- pull the recoil starter until you feel compression.
- Stop pulling.
- Clean exterior of the generator and apply a rust inhibitor.
- Store the generator in a dry, well-ventilated place, with the cover place over it.
- The generator must remain in a vertical position.

8. SPECIFICATION

MODEL		GN1000iP	GN2200iP
GENERATOR	Type	Inverter Generator	
	AC Voltage	60Hz	
		120V	
	Starting Wattage	1000W	2200W
	Running Wattage	800W	1800W
	Power Factor	1.0	
	DC Output	12V / 4A	5V / 2.1A1.0A
ENGINE	Model	XY139F-6	XY156F
	Type	Air-cooled, 4 cycle, OHV, Gasoline Engine	
	Bore × Stroke mm × mm	39 × 33.5	56 × 46
	Displacement	40 cc	114 cc
	Max. Output	0.9KW / 5500rpm	2.5KW / 4500rpm
	Fuel	Regular Automobile Gasoline	
	Fuel tank Capacity	0.55 Gallon	0.98 Gallon
	Rated Continuous Operation	4.1 hr	2.9 hr
	Lubricating oil	SAE 10W30	
	Lubricating oil Capacity	0.54 Pt	1.1 Pt
	Starting System	Recoil Starter	
	Ignition system	C.D.I.	
	Spark Plug: Type	CMR6A (TORCH)	A5RTC (TORCH)
DIMENSION	Net dimension L × W × H (mm)	395 × 209 × 355	525 × 282 × 457
	Overall dimension L × W × H (mm)	425 × 230 × 380	555 × 315 × 490
	Net Weight	8.5 Kg	18.5 Kg
	Gross Weight	9.5Kg	21.0 Kg

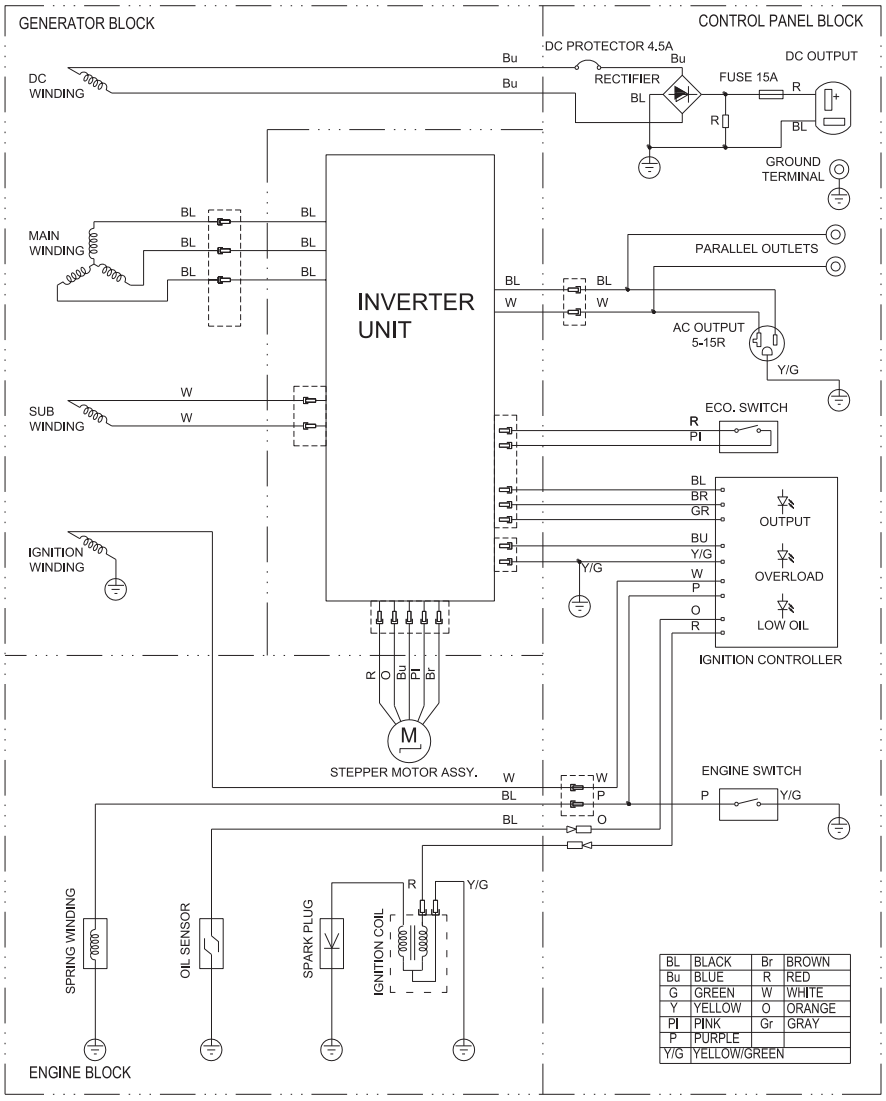
- Specifications subject to change without prior notice.

MODEL		GN2500iP	GN2500iEP
GENERATOR	Type	Inverter Generator	
	AC Voltage	60Hz	
		120V	
	Starting Wattage	2500W	2500W
	Running Wattage	2100W	2100W
	Power Factor	1.0	
	DC Output	5V/2.1A/1.0A	
ENGINE	Model	XY156F	XY156F
	Type	Air-cooled, 4 cycle, OHV, Gasoline Engine	
	Bore × Stroke (mm)	56×46	56 × 46
	Displacement	114 cc	114 cc
	Max. Output	2.5KW / 4500rpm	2.5KW / 4500rpm
	Fuel	Regular Automobile Gasoline	
	Fuel tank Capacity	0.95 Gallon	
	Rated Continuous Operation	3.2 hr	
	Lubricating oil	SAE 10W30	
	Lubricating oil Capacity	1.1Pt	
	Starting System	Recoil Start	Electronical / Recoil Start
	Ignition system	C.D.I.	
	Spark Plug: Type	A5RTC (TORCH)	
DIMENSION	Net dimension L × W × H	525 × 282 × 457	
	Overall dimension L × W × H	555 × 315 × 490	
	Net Weight	18.5 Kg	22.0 Kg
	Gross Weight	21.0Kg	24.5 Kg

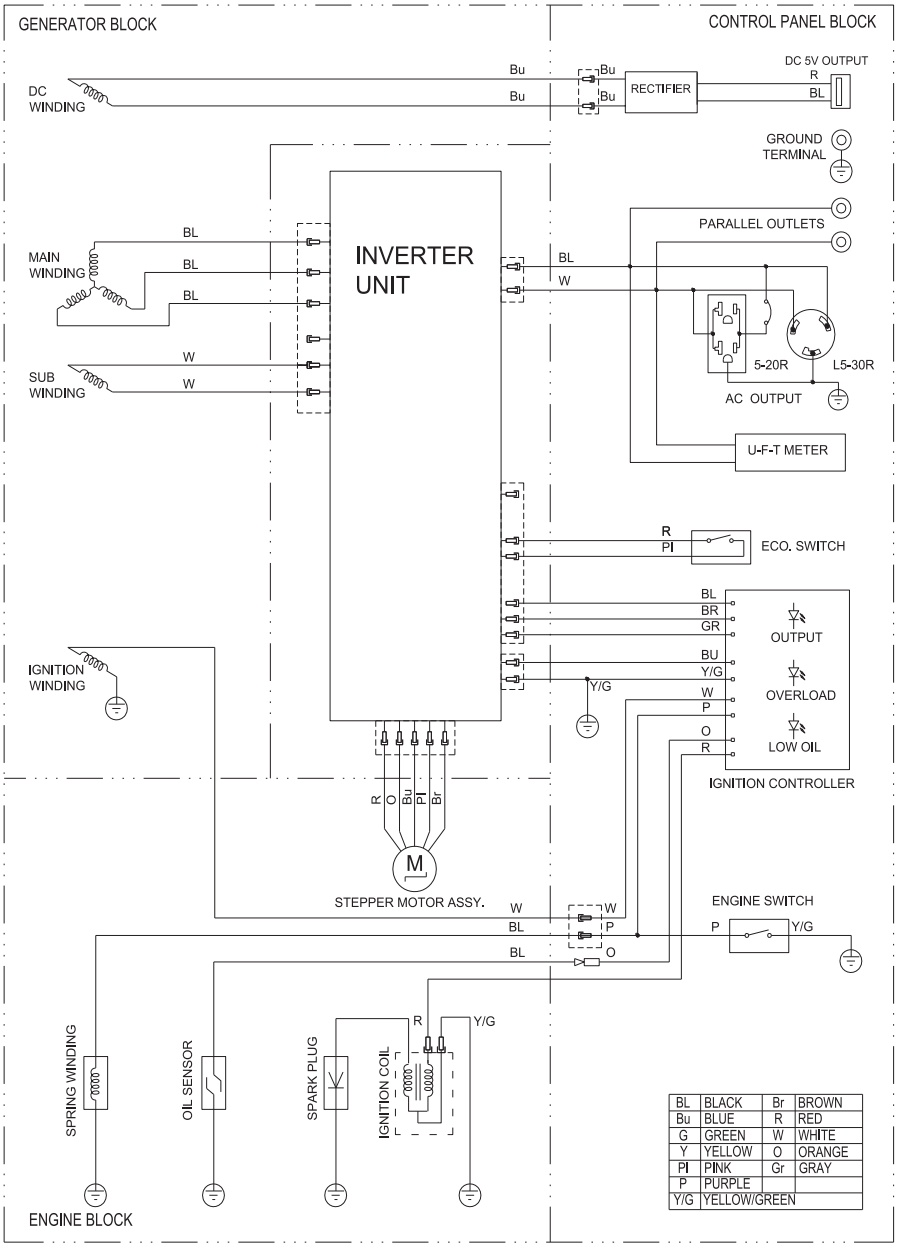
- Specifications subject to change without prior notice.

9. WIRING DIAGRAM

GN1000iP



GN2200iP/GN2500iP



Distributed by:
Green-Power America, LLC
www. Green-PowerAmerica.com