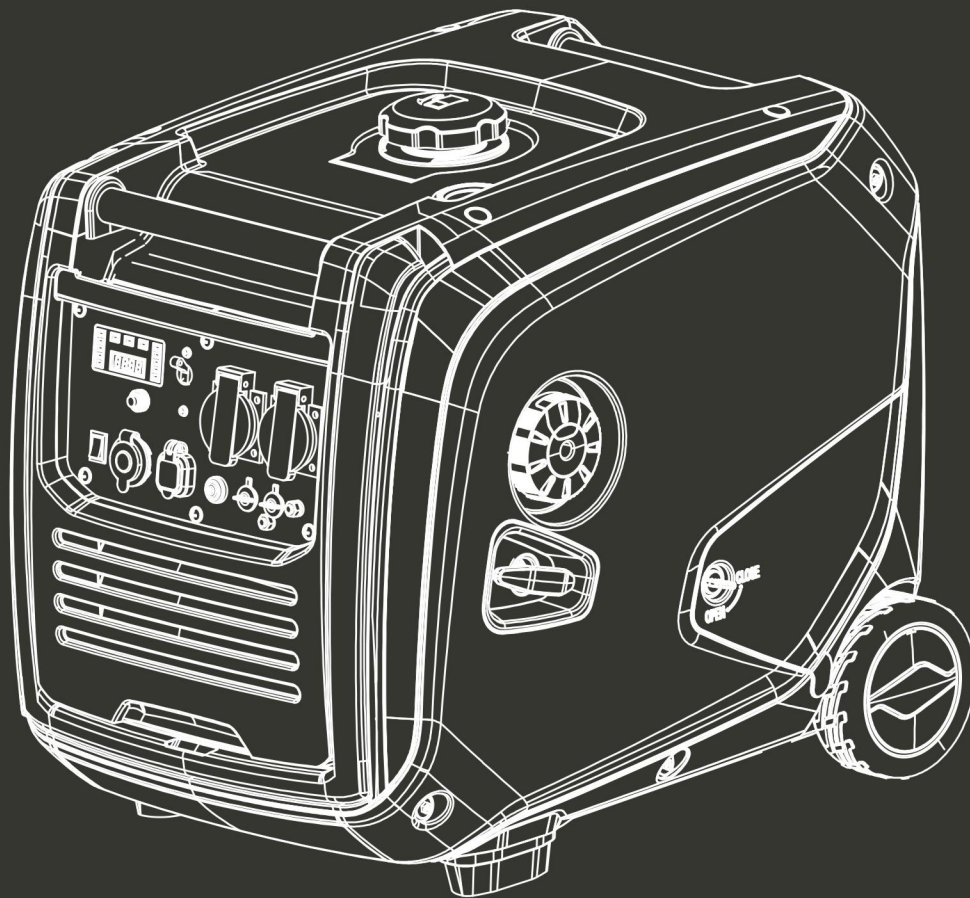


**HYUNDAI**  
POWER PRODUCTS

# **GASOLINE INVERTER GENERATOR HG4500I**

(LOW POWER GENERATING SET)

## **ORIGINAL INSTRUCTIONS**



**WARNING:** Read thoroughly the instruction manual before use.

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# 1. SAFETY INSTRUCTIONS

## **Warning:**

1. Attention! Exhaust gases are toxic. Do not operate the generator in a room without ventilation system!
2. Children should be protected by keeping them at a safe distance from the generator set!
3. Refilling of the generating sets are not allowed during the operation!
4. If the generator will be mounted in a closed room, relevant safety regulations against fire and explosion should be followed!
5. Do not connect to household circuit!
6. Do not use in wet condition!
7. Keep in flammable away!
8. When refueling:
  - a) stop engine;
  - b) no smoking;
  - c) do not spill.

## **General security instructions**

- The operator must know the principles of functioning and the structure of the generator and the motor. He must know how to stop the motor in case of urgency and how to manipulate the controls.
- Never let children use this device.
- Never let people who do not know these instructions use this device. Local regulations may impose restrictions on the age of the user.
- Please do not use this device when people, especially children, or pets are nearby. Direct them away from the working area.
- The operator or the user are responsible for possible accidents or damage to other persons or to their property.
- Do not wear loose clothing or jewellery as this can get caught in the machinery as it runs.
- Use safety equipment. Wear protective gear such as an anti-dust mask, non-slip safety shoes, a helmet or hearing protection.
- Stay vigilant, watch what you are doing and show good sense when you use the generator. Do not use if you are tired or under the influence of drugs, alcohol or medicines.
- Install the generator in a place that is well ventilated and make sure that there is at least 1.5 meters between the generator and the walls of the building or other equipment. Do not place flammable liquids or gases near the generator.
- Do not run the generator in an enclosed or badly-ventilated space. The exhaust gas from the motor contains carbon monoxide which is toxic and may lead to a loss of consciousness or death.
- Run the generator in respect of the power indicated in the user's manual. Do not run the generator with an overload or at excessive speed.
- The silencer of the generator becomes extremely hot when the motor runs or even for a time after it has stopped. Do not touch it as it will burn you.
- Do not transport or move the generator until it has cooled down.
- Perform periodic maintenance and resolve problems that appear immediately. Do not run the generator before correcting any fault detected.
- The generator uses a system of air-cooling, and it is necessary to clean its components regularly, including the grilles, the cover of the fan and the fan itself so as to ensure cooling.
- Keep the fuel filter clean, and change the oil of the motor regularly.
- Periodically check the installation of the connections and the tightness of the fixations,


re-tightening them if necessary.

- Clean the components of the air filter periodically, and replace the air filter when necessary.
- Remove any electrical equipment that is plugged in before starting or stopping the generator.
- Before transporting the generator, you must empty the fuel tank.
- Maintenance and repair of the generator must be carried out by a qualified technician from an authorized after-sales service centre.

**Warning:** when you start the generator with the cord, watch out for sudden changes in the rotation of the motor!!! Risk of wounding!!! Never cover the generator when it is running. The cut-out mounted on the generator has the aim of reducing the risk of electric shock. If it needs to be replaced with another cut-out, the latter must correspond to the technical specifications of the generator. Due to important mechanical constraints, it is necessary to use a flexible sheathed cable with a strong rubber protective layer (conforming to IEC 245-4) or a similar cable. If using an electrical extension cable, the total length of the extension must not exceed 60m when the section of the wire is 1.5mm<sup>2</sup> and must not exceed 100m when the section of the wire is 2.5mm<sup>2</sup>.

### **Security measures when filling the fuel tank**

- The fuel is extremely flammable and poisonous.
- This generator only uses petrol (gasoline); any other kind of fuel will damage the motor.
- Do not overfill the tank with petrol to avoid spilling. If you notice a spill, it must be wiped up completely with a dry cloth before starting the motor.
- If you swallow fuel by mistake, if you inhale fuel vapors or if you get drops of fuel in your eyes, see a doctor immediately. If a certain quantity of fuel is split on your skin or clothing, wash or change your clothes.
- Always stop the motor of the generator when filling it with fuel.
- Never fill the fuel tank while smoking or near a naked flame.
- Make sure you don't spill fuel on the motor and the exhaust grille of the generator during filling with fuel.
- Keep the fuel in an appropriate recipient and sheltered from any sources of fire.
- Carry out filling in a safe place, and slowly open the fuel cap to release the pressure which has built up inside the tank. Wipe up any drops of petrol that have spilled before starting the motor.
- To prevent fire, move the generator at least 4 meters away from the area for filling with fuel.
- Make sure that the fuel cap is tightly closed before starting.
- Do not keep petrol in the tank for a long time.

-  While using or transporting the generator, make sure you keep the generator upright, otherwise the fuel may escape from the carburettor or the fuel tank.



### **Electrical safety**

Before each use ensure that the load to be connected does not exceed the power of the current produced by the generator.

**To avoid electric shock, you must follow the following instructions:**

- Do not touch the generator with wet hands.
- Do not run the generator under rain or snow.
- Do not run the generator near water.
- Connect the generator to earth. Use a sufficiently thick conductor for the earth wire.
- Do not operate the generator in parallel with another generator.
- If using electrical extensions, make sure that they are sufficiently thick to transport the current and that they are used correctly.



The connection of a generator used for auxiliary power to the electrical installation of a building must be performed by a qualified electrician, and in conformity to the provisions of the applicable laws and norms in the field of electricity. Incorrect connections will cause leakage of the current from the generator into the lines of the public electricity company. Such leakage could electrocute the workers of the public electricity company working on the network or other persons in contact with the line during a power cut. Also, when the public power supply is re-established, the generator can explode, catch fire or generate fires in the building's electrical installation.



Before connecting electrical devices to the generator, make sure that their voltage specifications and frequency of functioning correspond to the technical characteristics of the generator. There may be damage if the device connected is not designed to function with a voltage tolerance of +/- 10% or a frequency tolerance of +/- 3 % compared with those of the generator.

### **Protection of the environment**

- You must periodically check the silencer (Before doing this, switch off the generator and let it cool completely). A damaged silencer increases noise.
- Do not throw motor oil into the drains but deposit it at a collection point set up for that purpose. The fuel for this machine is combustible and explosive. After stopping the machine, you must handle the remaining fuel correctly and meet local environmental requirements

Additional requirements for low-power generating sets for use by laymen

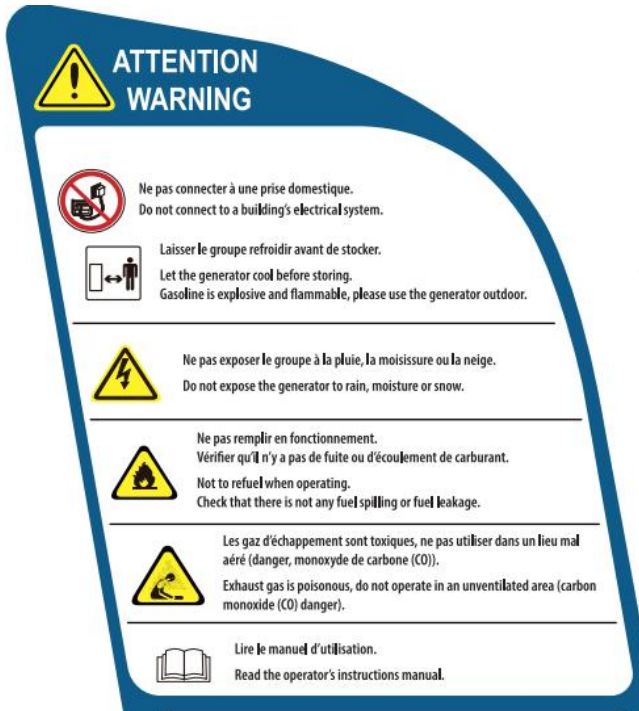
- Protect children by keeping them at a safe distance from the generating set.
- Fuel is combustible and easily ignited. Do not refuel during operation. Do not refuel while smoking or near naked flames. Do not spill fuel.
- Some parts of the internal combustion engine are hot and may cause burns. Pay attention to the warnings on the generating set.
- Engine exhaust gases are toxic. Do not operate the generating set in unventilated rooms. When installed in ventilated rooms, additional requirements for fire and explosion protection shall be observed.
- Before use, the generating set and its electrical equipment (including lines and plug connections) should be checked to ensure that they are not defective.
- Protection against electrical shock depends on circuit breakers specially matched to the generating set. If the circuit breakers require replacement, they should be replaced with a circuit breaker having identical ratings and performances characteristics.
- Due to high mechanical stresses, only tough rubber-sheathed flexible cable (in accordance with IEC 60245-4) or the equivalent should be used.
- The user shall conform to regulations of electrical safety applicable to the place where the generating sets are used.
- The user must respect the requirements and precautions in the case of resupply by generating sets of an installation, depending on existing protective measures in this installation and applicable regulations.
- Generating sets should only be loaded up to their rated power under the rated ambient conditions.
- Prior to commencing maintenance work it shall be ensured that untimely start-up is not possible.

## 2. SAFETY WARNING LABEL

Safety warning label:



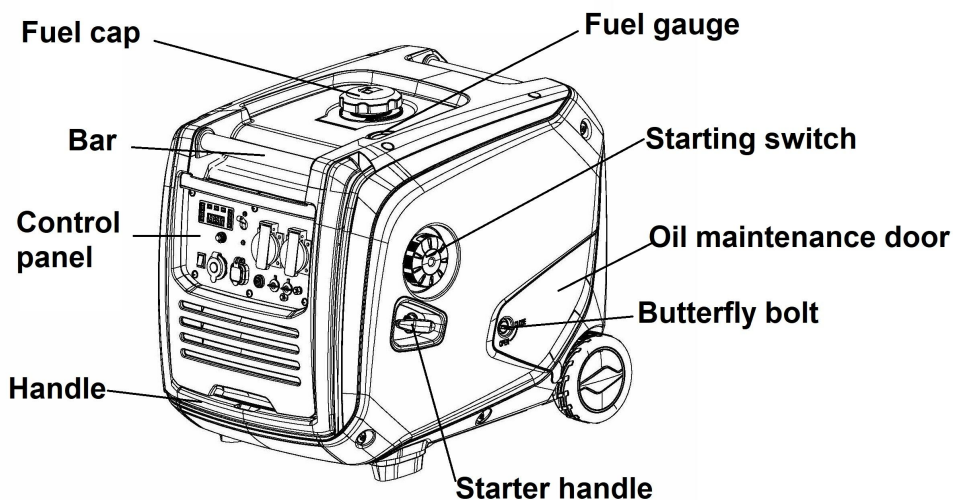
Guaranteed sound power level

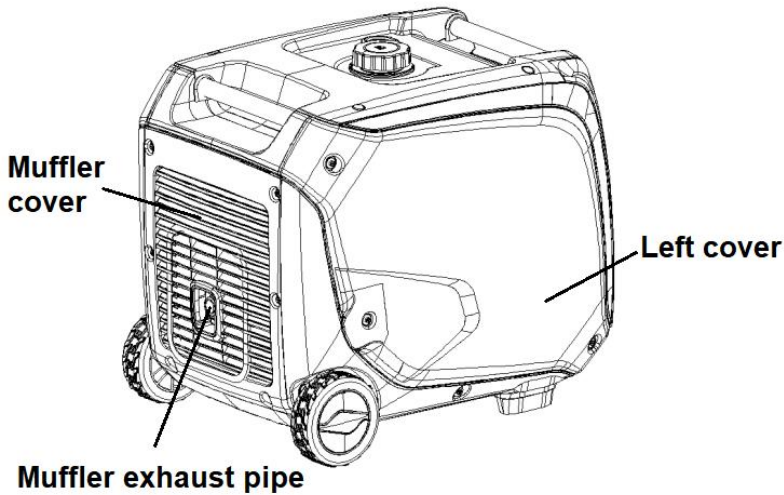


## 3. COMPONENTS IDENTIFICATION

### 3.1 Components Feature

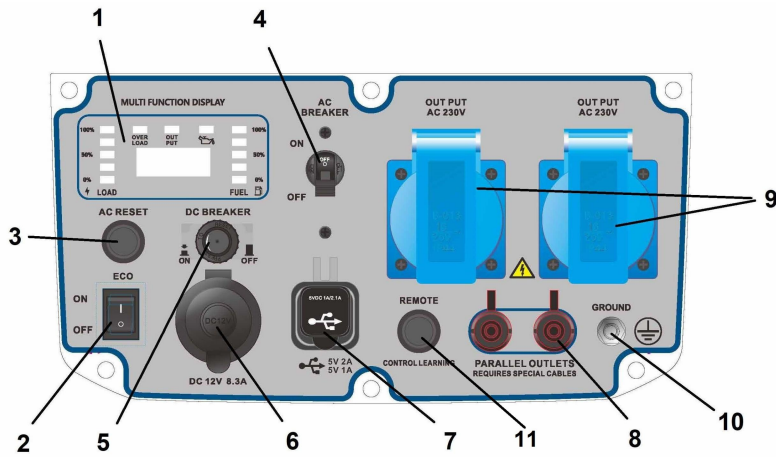
H4500iS/H4500iE





### 3.2 Control Panel

Factory will adjust the panel according to different configuration. Please note that subject to change without prior notice.

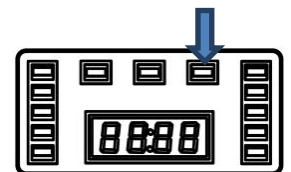


1	Digital meter	7	USB
2	ECO(Economy system control)	8	Parallel socket
3	AC reset	9	AC socket 230V
4	AC breaker 230V	10	Ground terminal
5	DC breaker 12V	11	Reset the remote control
6	DC socket		

## 4. CONTROL SYSTEM

### 4.1 Engine oil alerting system(YELLOW)

The engine oil protection system will stop the engine automatically, and the engine oil indicating lights, while the oil in crankcase is under safe line; Fill the engine oil to the oil level, it can be restart again.



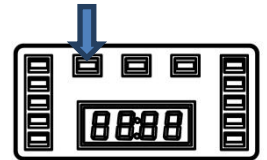
#### NOTICE

If the engine oil alerting light flashes for few seconds, it means the oil capacity is insufficient. Refill the oil and restart the engine.

### 4.2 Overload Indicating Light(RED)

When the overload indicating light is on, the generator detects that the output of the phase-side

electrical equipment has been overloaded, causing the converter to overheat or the AC voltage to rise. Then the AC protector works and stops the generator to protect the generator and the equipment which connects with it. The AC indicating light(GREEN) is off, but overload indicating light (RED)is on,engine will not stop working.



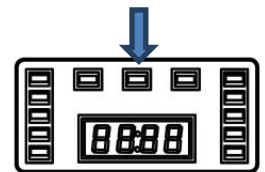
While the overload light is on, and the generator has no output, please take following measures:

1. Turn off the connected electrical equipment and stop engine.
2. Reduce the total power rate of connected electrical equipment within the rated output range.
3. Check whether the cool air inlet is blocked by foreign matters and whether the relevant control parts are abnormal. If there is any problem, remove it immediately.
4. Restart the engine after checking.

**Notice: When using the electrical equipment with high starting current(like compressor and sinking pump...), the overload indicating light may will flash for few seconds. But this doesn't belongs to troubles as aforementioned.**

### 4.3 AC Indicating Light(GREEN)

The AC indicating light will be on while the engine starts and keep normal output.



### 4.4 ECO Switch

#### ① "ON"

While the ECO switch is on position of "ON", the equipment will control rotating speed according to the connected load, so as to get good fuel oil consumption and low noise.



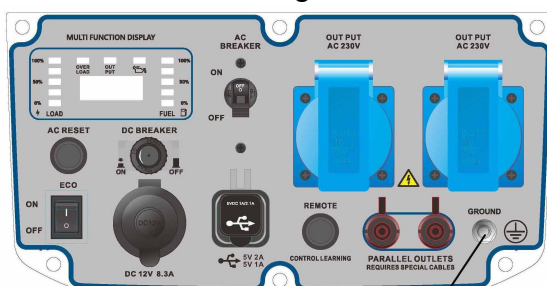
#### ② "OFF"

While the ECO switch is on position of "OFF", whether it connects with load, the engine also runs at a rated rotating speed.

**NOTICE: Cause it needs heavy start current, ECO switch must be off while using compressor.**

### 4.5 Ground Terminal

The ground terminal is connected to the ground wire to prevent electric shock. The generator should be connected to ground while the electrical equipment connecting to ground.



Ground terminal

### 4.6 BATTERY AND THROTTLE

The battery of this machine is lithium technology.

Recharging is carried out thanks to the charging module integrated into the machine with operation in use of at least 45 minutes in Normal mode (not ECO) .

Do not attempt to recharge the battery with an external charger which will damage it.

In the event of a battery failure, the electric or remote start will not work.

The unit can start thanks to the launcher, to do this remove the left panel (looking at the dashboard) from the front (3 screws), manually activate the choke as below.

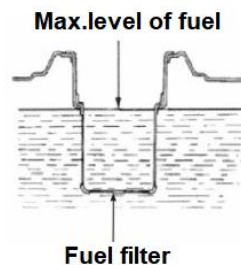
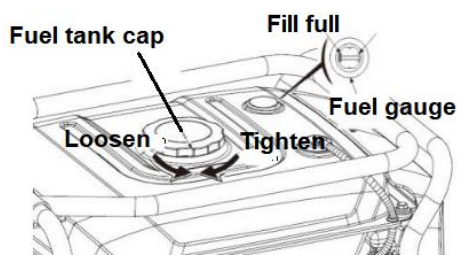


## 5. PREPARATION

### 5.1 Fuel Oil



- Fuel oil is flammable and toxic. Please read the safety instruction carefully before refueling.
- Do not fill the tank with too much oil, or the oil will overflow when the tank gets warm.
- After refueling, make sure the fuel tank cover is tightened.



- To avoid damage the plastic outer case, please wipe off residual gasoline with a clean, soft cloth after refueling.
- You must use unleaded gasoline. The leaded one would damage the internal parts of the engine.

Suggestion: unleaded gasoline

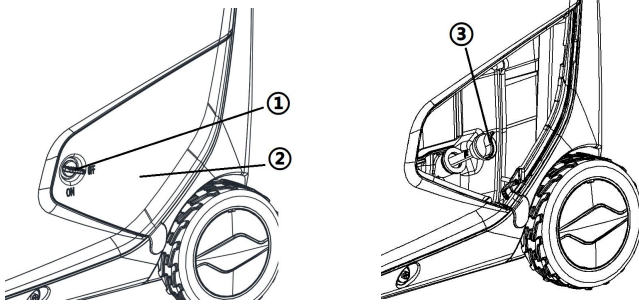
Fuel oil tank capacity: 12.5L

### 5.2 Engine Oil

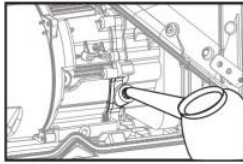


The generator is not injected with engine oil when leaving the factory. Please do not start it before injecting enough engine oil.

1. Please place the generator on the horizontal plane.
2. Turn the knob ① to "ON", and put down oil maintenance door ②.
3. Open the fuel cap ③.



4. Refuel a recommended amount of oil and tighten the cap.
5. Replace oil maintenance door and turn knob to "OFF" position.

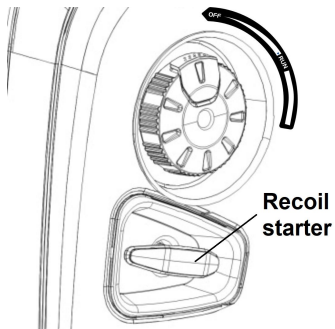


**Recommended oil: SAE SJ 10W-40**  
**Recommended oil grade: API standard SE or higher grade**  
**Engine oil capacity: 0.6L**

### 5.3 Recoil Starter

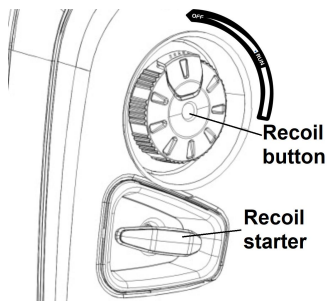


Pull the starter handle up gently until resistance is felt, then pull it out suddenly.



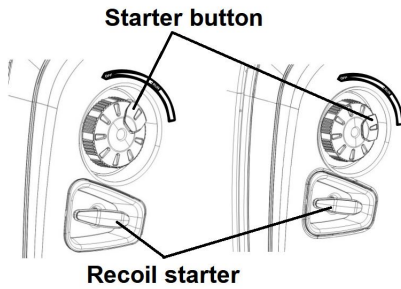
### 5.4 Fuel Tap

Fuel tap is a device that controls the flow of fuel from the tank to the carburetor. Please make sure it is on position of "OFF" after stop working.



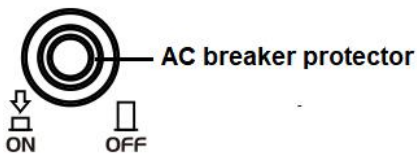
### 5.5 Choke Valve

Choke valve is used to provide a rich mixture of oil to a gasoline engine when the cold engine is started. When the cold gasoline engine starts, rotate the start switch to put the start button in the "START" position. When the gasoline engine starts up warmly, the starting switch is rotated to put the starting button in the "RUN" position.



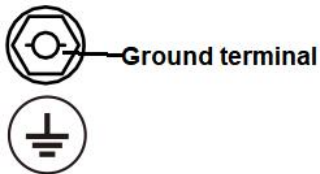
### 5.6 AC Breaker Protector

Overload current can turn off the breaker protector automatically. The load shortened and overload should be avoided. If the breaker protector closed automatically, please must test the loading before opening.



### 5.7 Ground Terminal

Ground terminal connects the earth line for prevention of electric shock. When the electric device is grounded, be sure to ground the generator also.



## 6. GENERATOR USE

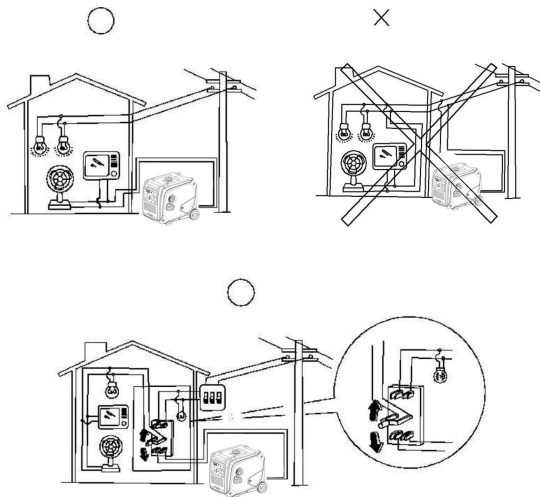
- Applicable temperature:  $-5^{\circ}\text{C} \sim 40^{\circ}\text{C}$
- Applicable humidity: below 95%
- Applicable altitude: areas below 1000 meters (If you operate your engine at altitudes above 1000 meters, reduce the engine power or modify the carburetor by contacting the suppliers.)

### 6.1 Connect to Household Power Supply



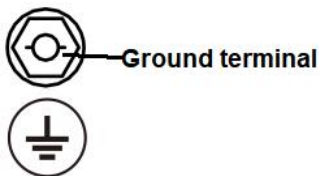
When the generator is connected to the household power supply as a standby power supply, it should be connected by a special electrician or someone familiar with the electricity.

After connecting the load to the generator, carefully check whether the electrical connection is safe and reliable. If there is incorrect electrical connection, it may cause generator damage, combustion or fire.



## 6.2 Generator Grounding

In order to prevent the generator from being damaged by electric shock or misuse of inferior electrical appliances, the generator should be grounded by a good insulated conductor.



## 6.3 AC Power

Before starting the generator, it should be confirmed:

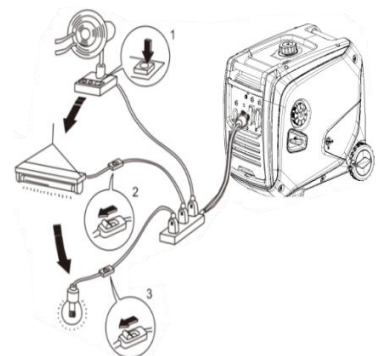
The total power of all electrical appliances (the sum of resistance, capacitance and inductive load) shall not exceed the rated power of the generator.



Overload operation will lead to generator stalling or greatly shorten the life of the generator. If there are multiple loads or electrical equipment connected to the generator set, please keep in mind that: first turn on the highest starting load, then turn on the second, and finally turn on the lowest starting load.

Generally speaking, capacitive and inductive loads, especially motor drive devices, will cause large starting current when starting.

The following table is for your reference when connecting these electrical appliances to the generator set.



Type	Power		Typical Device	Example		
	Max.	Rated		Device	Max.	Rated
<ul style="list-style-type: none"> <li>● Lamp</li> <li>● Heating devices</li> </ul>	*1	*1	100W lamp TV	100W lamp	100VA (W)	100VA (W)
<ul style="list-style-type: none"> <li>● Fluorescent lamp</li> </ul>	*2	*1.5	40W Fluorescent lamp	40W Fluorescent lamp	80VA (W)	60VA (W)
<ul style="list-style-type: none"> <li>● Electrical devices</li> </ul>	*3-5	*2	Fridge 150W Fan	150W Fridge	450-750VA (W)	300VA (W)

This engine may require a high altitude carburetor kit to ensure correct engine operation at altitudes above 1000 meters. The performance of a gasoline engine can be improved by replacing a slightly smaller main nozzle on the carburetor or by adjusting the adjustment screw. If you often use generators in areas over 1000 meters, you can buy special high-altitude components for replacement. Otherwise, reduce load power when using generator.

Even with a suitable carburetor, the power of the gasoline engine will decrease by about 3.5% for every 300 meters above sea level. If the carburetor is not replaced properly, the decline will be even greater.

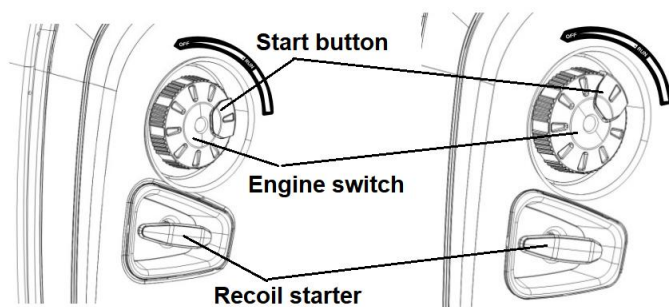


If carburetors suitable for use at high altitudes are equipped with gasoline engines at low altitudes, excessive lean mixture will reduce the output power of gasoline engines, cause overheating and even cause serious damage.

## 7. STARTING THE ENGINE

### 7.1 Recoil Start

- 1) Remove all loads from the output end.
- 2) Rotate the start switch to place the start button in the "start" position.
- 3) Turn the AC BREAKER to "OFF"



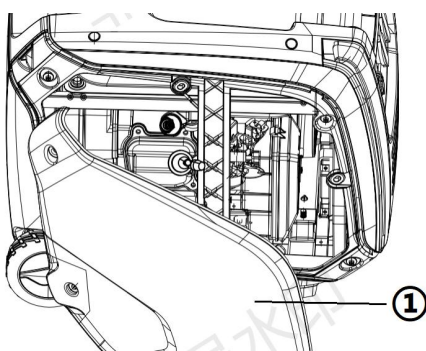
When the gasoline engine starts in the hot engine status, please rotate the start switch to place the start button in the "running" position.

- 4) Pull the recoil starter slowly until it is engaged, then pull it briskly.
- 5) After starting the engine, rotate the engine switch to place the start button in the "run" position.
- 6) To use electrical equipment, AC circuit breaker protector should be placed in "on" position.

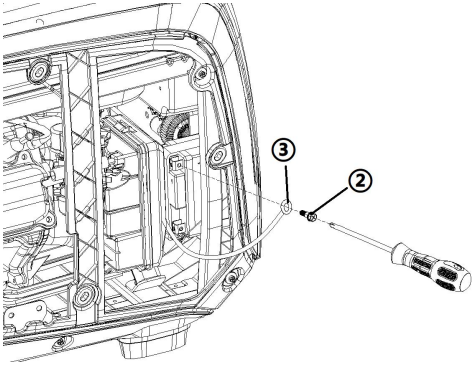
### 7.2 Electric Start

1. Install way of positive electrode wire of battery:

- 1) Turn off the generator and remove the cover①



2) Take off the positive terminal bolt ② of the battery, connect the positive electrode wire③ (with red logo) to the positive terminal of the battery and tighten the bolt.

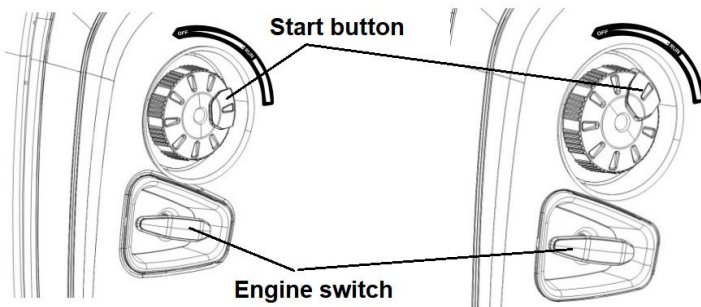


3) When long term storage or transshipment, take off the positive electrode wire, before install the cover①, also please check again to ensure that there is no short circuit between the positive and negative poles.

2.Remove all loads from the output end.

3.Rotate the start switch to place the start button in the "start" position.

4.Turn the AC BREAKER to "OFF"



When the gasoline engine starts in the hot engine status, please rotate the start switch to place the start button in the "running" position.

5.Press the "ON" button.

6.After starting the engine, rotate the engine switch to place the start button in the "run" position.

7.To use electrical equipment, AC circuit breaker protector should be placed in "on" position.



Don't turn the generator switch to the electric starting position for more than 5 seconds, otherwise the starting motor will be damaged. If starting is unsuccessful, 10 seconds should be interval between multiple starting.

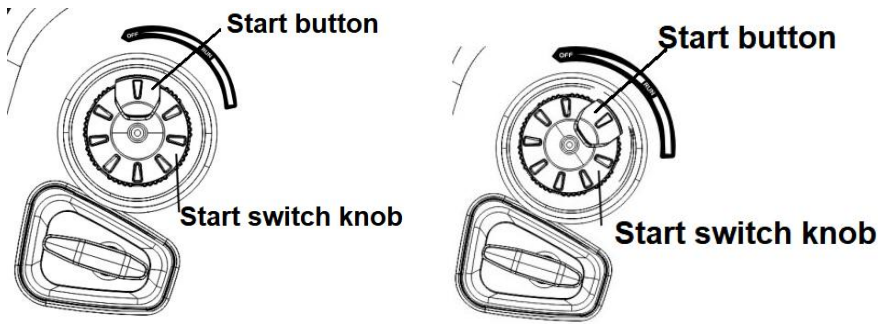
If the speed of the starting motor decreases more after a period of time, it means that the battery should be charged.

### 7.3. Remote start

1) Confirm if the loading is within rated power range;

2) Rotate starting switch to "RUN" position, to open fuel and remote switch;

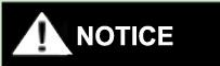
3) Press the "ON" button, then the generator will run automatically. (In order to avoid misoperation, the operation delay function is provided. When operating the remote control, please press the remote control button for 5 seconds);



4) When the generator is started, put the AC breaker protector in the "ON" position before adding electrical load.

#### 7.4. Stopping the Engine

- 1) Turn the the ECO switch to "OFF";
- 2) Turn off the AC Breaker;
- 3) Turn the engine switch to "OFF";
- 4) Disconnect any electric devices.



To stop the engine in an emergency, turn the Engine Switch to the "OFF" position.

## 8. MAINTENANCE AND STORE

Safety is an obligation of the owner. Periodic inspection, adjustment and lubrication will keep your generator in the safest and most efficient condition possible. In order to keep the engine in good condition, you must check and maintain it regularly. Please follow the schedule below.

### Maintenance Schedule

Regular Service <span style="border: 1px solid black; padding: 2px;">Period</span> (3)		Each use	First month or 10 hrs	Every 3 months or 50 hrs.	Every 6 months or 100hrs	Every 2 years or 300 hrs.
Item						
Engine oil	Check level	⊙				
	Replace		⊙	⊙	⊙	
Air cleaner	Check	⊙				
	Clean			⊙(1)		
	Replace			⊙		
Spark plug	Check & adjust			⊙		
	Replace					⊙
Spark arrester	Clean		⊙	⊙	⊙	
Valve Clearance	Check & adjust					⊙(2)
Fuel tank & filter	Clean				⊙	
Cylinder Head	Clean	After every 300 hrs(2)				
Fuel hose	Check	Every 2 years ( Replace if necessary)(2)				

(1) Maintenance more frequently when used in dusty or unusually wet areas.

(2) These items should be serviced by your servicing dealer, unless you have the proper tools, data and technical skills.

## ! NOTICE

- If you often work at high temperature or high load, you should replace the engine oil every 10 hours.
- If you work in dusty or harsh environments, clean the filter element of the air filter every 10 hours. If necessary, air filter elements should be replaced every 25 hours.
- The inspection period and time should be maintained on a first-come basis.
- If the maintenance cycle has passed, the maintenance should be carried out as soon as possible according to the above table.

## ! WARNING

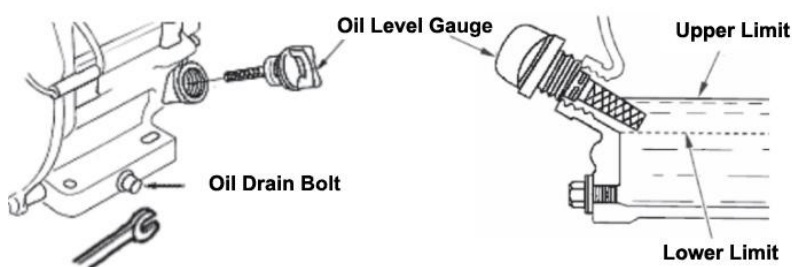
- Stop the engine before starting maintenance work. The engine should be placed horizontally. To prevent the engine from starting, separate the spark plug cap from the spark plug.
- Never operate the engine in a closed area or it may cause unconsciousness and death within a short time. Operate the engine in a well ventilated area.

### 8.1 Engine Oil Replacement

Please drain the engine oil after starting the gasoline engine. It can ensure that the oil is discharged quickly and cleanly.

- ① Remove oil level gauge and then turn open the oil drain bolt and drain the oil.
- ② Install the oil drain bolt and tighten it.
- ③ Add engine oil to the correct level.
- ④ Install the oil level gauge.

Engine oil capacity: H4500I 0.6L



Long-term and frequent skin exposure to engine oil may lead to skin cancer. Soap and water are recommended to wash the oil-exposed skin thoroughly and immediately.

To protect environment, please properly deal with the waste oil after use. We strongly recommend that: put waste oil into sealed containers (bottle or cans), and then send it to your local service station or waste oil recycling center. Keep in mind: don't throw it into the garbage dump or dump it on the ground or in the ditch.

### 8.2 Air Filter Maintenance

Dirty air filters will affect the flow of air into carburetors. To prevent carburetor breakdown, air filters should be regularly maintained. If it is used in dusty environment, it should be maintained more frequently.

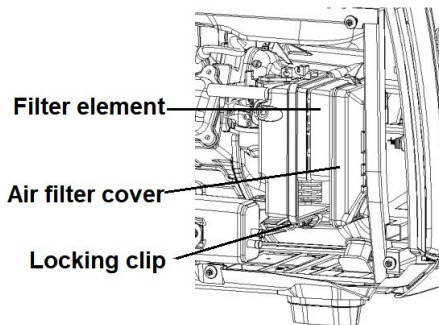
## ! WARNING

Cleaning the filter element with gasoline or flammable solvents may cause fire or explosion. Please use soapy water or non-flammable solvent to clean the filter element.

## ! NOTICE

It is strictly forbidden to start the generator without air filter, otherwise it will lead to rapid wear and tear of the gasoline engine.

- 1) Open the connecting button of the air filter cover and open the air filter cover. Check the filter element and ensure it's in good condition and clean.
- 2) If the foam filter is dirty, please clean it. Wash in hot water with household detergent or in non-flammable or high flash solvent. Then rinse with clean water and squeeze. Then drop a few drops of oil and squeeze evenly.
- 3) Fill in the filter element and cover the air filter cover.

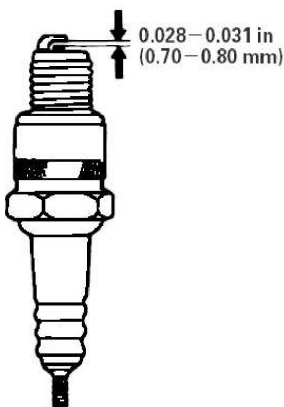


### 8.3 Spark plug

Please replace the spark plug according to the original type: F7RTC

- 1) Remove the spark plug cap.
- 2) Use the spark plug socket wrench to remove the spark plug.
- 3) Visually inspect whether the spark plug insulator is damaged. Replace the spark plug if it is damaged.
- 4) Measure spark plug clearance with thickness gauge. Bend the side electrodes to adjust the clearance. The clearance shall be between 0.70 and 0.80mm.
- 5) Check that if the spark plug gasket is in good condition.

Install the spark plug, tighten it with the spark plug socket wrench, and press down the spark plug gasket. Cover the spark plug cap.



Please use spark plugs with appropriate calorific value.

### 8.4 Storing



To avoid combustion or misfire due to contact with high-temperature components of the generator, the generator must be cooled before packaging and storage.

If long-term storage is required, please make sure the storage area is clean and dry.

- 1) Drain fuel from the fuel tank. Clean the fuel filter, O - ring seal and precipitation cup after the assembly. Unscrew the carburetor drain bolt, drain the fuel from the carburetor entirely, then reinstall and tighten the carburetor drain bolt.



**WARNING**

In ordinary circumstances, gasoline is flammable and explosive. Please discharge oil in well-ventilated condition after stop. No fireworks during oil discharge.

2) Unscrew the oil gauge and Oil drain bolt on the crankcase, and drain the oil in the crankcase. Then tighten the drain bolts, add new oil to the upper limit, and then install the oil gauge.

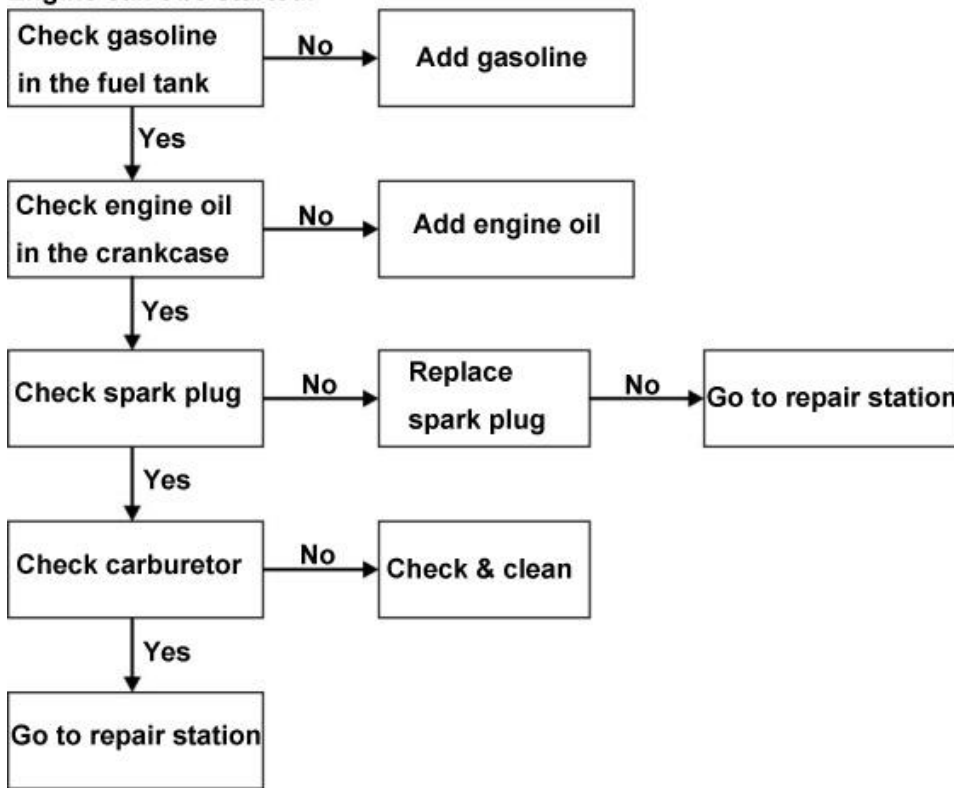
3) Remove the spark plug and pour a tablespoon of clean engine oil into the combustion chamber. Turn the crankshaft several times to distribute the oil. Reinstall the spark plugs.

4) Gently pull the starting handle until resistance is felt, leaving the inlet and exhaust doors close.

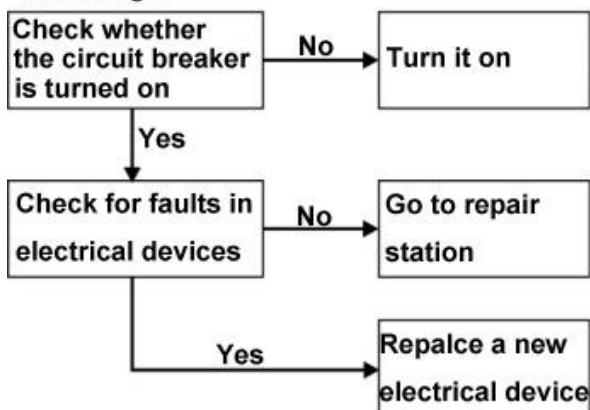
5) Place the generator set in a clean and dry area.

## 9. TROUBLESHOOTING

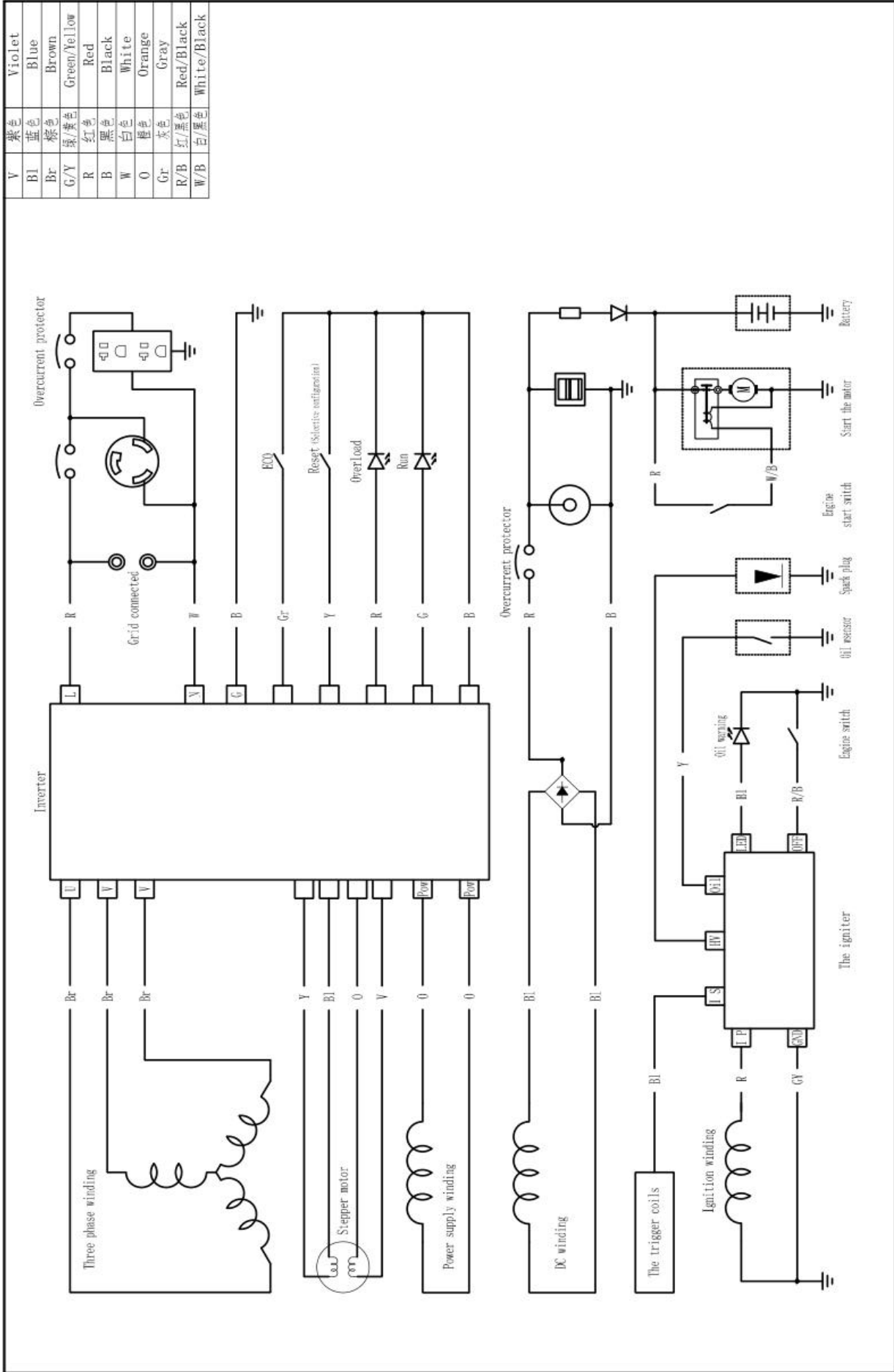
Engine can't be started:



No voltage



# 10. ELECTRICAL DIAGRAMS



# 11. TECHNICAL SPECIFICATIONS

	Model	HG4500I		
Engine	Engine Type	Single Cylinder, 4 Stroke, Air Cooling, OHV 25°		
	Displacement(cm <sup>3</sup> )	223		
	Ignition System	CDI		
	Starting Type	Recoil Start	Electric Start	Remote start
	Oil Capacity(L)	0.6		
	Measured sound pressure level, LpA	71.35dB(A), K = 1.64dB(A)		
	Measured sound power level, LwA	91.35dB(A), K = 1.64dB(A)		
	Guaranteed sound power level	93 dB(A)		
Generator	Fuel tank Capacity(L)	12		
	Frequency(Hz)	50		
	Phase	Single		
	Rated Voltage(V)	230		
	Rated Power(kW)	(COP) 3.5		
	Max. Power(kW)	Max 4.0		
	Rated current(A)	15.2		
	DC Output	12V/8.3A 5V/3.1A		
	Performance class	G1		
	Quality class	A		
	Max. temperature	40°C		
	Max. altitude	1000 m		
	Protection class	IP23M		
	Dimension (L*W*H)(MM)	595*440*510		
	Net weight	40kg		

## 12. DECLARATION OF CONFORMITY



BUILDER SAS  
ZI, 32 RUE ARISTIDE BERGES – 312070 CUGNAUX – FRANCE

Declares that the machinery designated below:  
GASOLINE INVERTER GENERATOR:  
HG4500I

Serial number: 20221215285-20221215620

Complies with the provisions of the Directive “machinery” 2006/42/CE and national laws transposing it:

Also complies with the following European directives:

EMC Directive 2014/30/EU;

ROHS Directive (EU)2015/863 amending 2011/65/EU

Emission directive (EU) 2016/1628

Noise directive 2000/14/CE Annex VI + 2005/88/CE

Also complies with European standards, with national standards and the following technical provisions:

EN ISO 8528-13:2016; EN 55012:2007/A1:2009

EN 61000-6-1:2007

Measured sound power level, LwA: 91.35 dB(A), K = 1.64dB(A)

Guaranteed Sound power level: 93 dB(A)

Notified Body : TÜV Rheinland LGA Products GmbH

Tillystraße 2, 90431 Nürnberg, Germany  
(NB 0197)

Responsible for the technical file: Michel Krebs

Done at Cugnaux, 02/11/2022

Philippe MARIE / PDG

## 13. WARRANTY

# HYUNDAI

## WARRANTY

The manufacturer guarantees the product against defects in material and workmanship for a period of 2 years from the date of the original purchase. The warranty only applies if the product is for household use. The warranty does not cover breakdowns due to normal wear and tear.

The manufacturer agrees to replace parts identified as defective by the designated distributor. The manufacturer does not accept responsibility for the replacement of the machine, in whole or in part, and/or ensuing damage.

### The warranty does not cover breakdowns due to:

- insufficient maintenance.
- abnormal assembly, adjustment or operations of the product.
- parts subject to normal wear and tear.

### The warranty does not extend to:

- shipping and packaging costs.
- using the tool for a purpose other than that for which it was designed.
- the use and maintenance of the machine done in a manner not described in the user manual.

Due to our policy of continuous product improvement, we reserve the right to alter or change specifications without notice. Consequently, the product may be different from the information contained therein, but a modification will be undertaken without notice if it is recognized as an improvement of the preceding characteristic.

### READ THE MANUAL CAREFULLY BEFORE USING THE MACHINE.

When ordering spare parts, please indicate the part number or code, you can find this in the spare parts list in this manual. Keep the purchase receipt; without it, the warranty is invalid. To help you with your product, we invite you to contact us by phone or via our website:

- **+33 (0)9.70.75.30.30**
- **<https://services.swap-europe.com/contact>**

You must create a "ticket" via the web platform.

- Register or create your account.
- Indicate the reference of the tool.
- Choose the subject of your request.
- Describe your problem.
- Attach these files: invoice or sales receipt, photo of the identification plate (serial number), photo of the part you need (for example: pins on the transformer plug which are broken).



# 14. PRODUCT FAILURE

## WHAT TO DO IF MY MACHINE BREAKS DOWN?

### **If you bought your product in a store:**

- a) Empty the fuel tank if your product has one.
- b) Make sure that your machine is complete with all accessories supplied, and clean! If this is not the case, the repairer will refuse the machine.

Go to the store with the complete machine and with the receipt or invoice.

### **If you bought your product on a website:**

- a) Empty the fuel tank if your product has one..
- b) Make sure that your machine is complete with all accessories supplied, and clean! If this is not the case, the repairer will refuse the machine.
- c) Create a SWAP-Europe service ticket on the site: <https://services.swap-europe.com> When making the request on SWAP-Europe, you must attach the invoice and the photo of the nameplate (serial number).
- d) Contact the repair station to make sure it is available before dropping off the machine.

Go to the repair station with the complete machine packed, accompanied by the purchase invoice and the station support sheet downloadable after the service request is completed on the SWAP-Europe site

For machines with engine failure from manufacturers BRIGGS & STRATTON, HONDA and RATO, please refer to the following instructions.

Repairs will be done by approved engine manufacturers of these manufacturers, see their site:

- <http://www.briggsandstratton.com/eu/fr>
- <http://www.honda-engines-eu.com/fr/service-network-page;jsessionid=5EE8456CF39CD572AA2AEEDFD290CDAE>
- <https://www.rato-europe.com/it/service-network>

**Please keep your original packaging to allow for after-sales service returns or pack your machine with a similar cardboard box of the same dimensions.**

**For any question concerning our after-sales service you can make a request on our website <https://services.swap-europe.com>**

**Our hotline remains available at +33 (9) 70 75 30 30.**



# 15. WARRANTY EXCLUSIONS

## THE WARRANTY DOES NOT COVER:

- Start-up and setting up of the product.
- Damage resulting from normal wear and tear of the product.
- Damage resulting from improper use of the product.
- Damage resulting from assembly or start-up not in accordance with the user manual.
- Breakdowns related to carburetion beyond 90 days and fouling of carburetors.
- Periodic and standard maintenance events.
- Actions of modification and dismantling that directly void the warranty.
- Products whose original authentication marking (brand, serial number) has been degraded, altered or withdrawn.
- Replacement of consumables.
- The use of non-original parts.
- Breakage of parts following impacts or projections.
- Accessories breakdowns.
- Defects and their consequences linked to any external cause.
- Loss of components and loss due to insufficient screwing.
- Cutting components and any damage related to the loosening of parts.
- Overload or overheating.
- Poor power supply quality: faulty voltage, voltage error, etc.
- Damages resulting from the deprivation of enjoyment of the product during the time necessary for repairs and more generally the costs related to the immobilization of the product.
- The costs of a second opinion established by a third party following an estimate by a SWAP-Europe repair station
- The use of a product which would show a defect or a breakage which was not the subject of an immediate report and/or repair with the services of SWAP-Europe.
- Deterioration linked to transport and storage\*.
- Launchers beyond 90 days.
- Oil, petrol, grease.
- Damages related to the use of non-compliant fuels or lubricants.

\* In accordance with transport legislation, damage related to transport must be declared to carriers within 48 hours maximum after observation by registered letter with acknowledgement of receipt.

This document is a supplement to your notice, a non-exhaustive list.

**Attention:** all orders must be checked in the presence of the delivery person. In case of refusal by the delivery person, it you must simply refuse the delivery and notify your refusal.

**Reminder:** the reserves do not exclude the notification by registered letter with acknowledgement within 72 hours.

**Information:** Thermal devices must be wintered each season (service available on the SWAP-Europe site). Batteries must be charged before being stored.

**HYUNDAI**  
POWER PRODUCTS

**For inquiries, please contact:**

BUILDER SAS

32 rue Aristide Bergès - Z.I. du Casque - 31270 Cugnaux - France

Tél.: +33(0)5.34.502.502 Fax.: +33(0)5.34.502.503

<http://www.hyundaipower-fr.com/>

Fabriqué en République Populaire de Chine(PRC)