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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 refuelling:
 - 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 metres 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 center.
- The generator must not be altered or modified. Any intervention must be done by an authorized after-sales service center.
- Installation and major repair work shall be carried out only by specifically trained personnel

 **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 1.5mm² and must not exceed 100m when the section of the wire is 2.5mm².

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.

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 vapours or if you get drops of fuel in your eyes, see a doctor immediately. If a certain quantity of fuel is spilt 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 metres 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.
- To dispose residual fluids, proceed as follows:
 - Close the fuel tap

- Drain fuel from the fuel tank
- Empty carburetor fuel

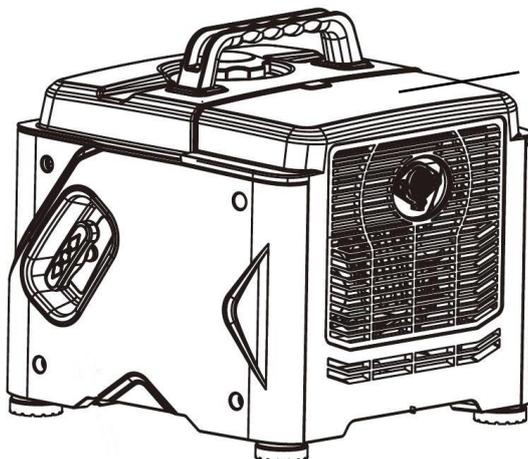
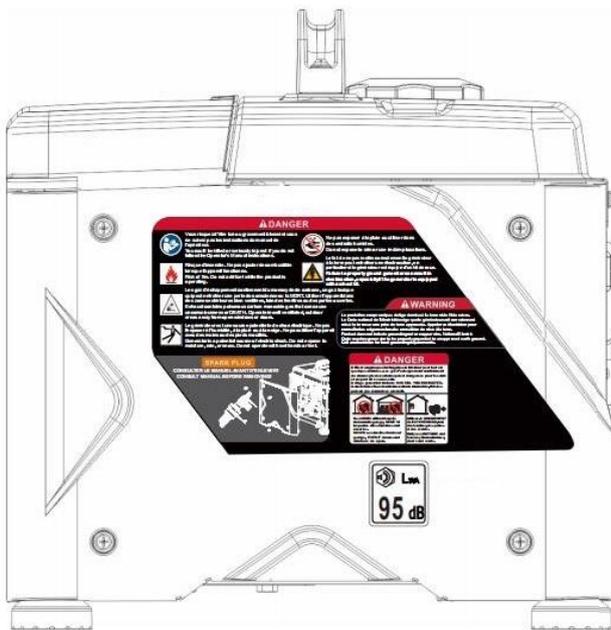
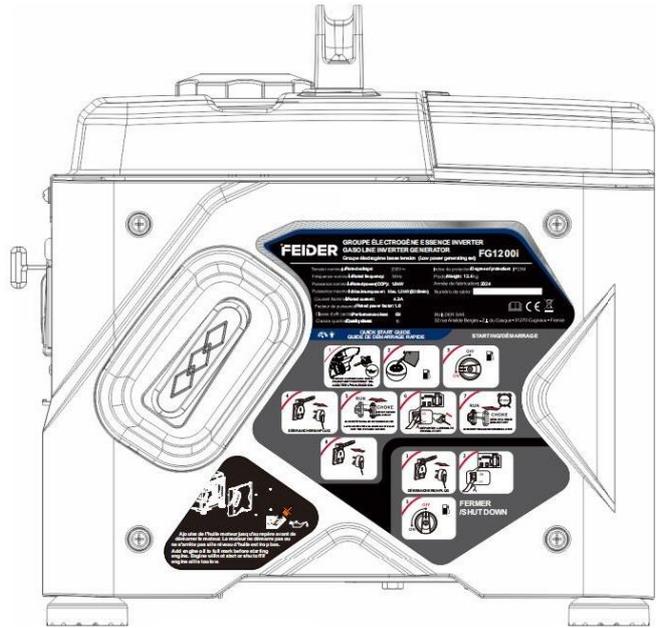
Symbol explanation

	Attention!
	Please read the manual carefully before using the unit!
	Wear hearing protection.
	Conforms to relevant safety standards
	Do not dispose of old appliances with domestic rubbish .
	Add engine oil.
	It is forbidden to run the generator in an enclosed room because exhaust emissions can lead humans or animals to coma to death.
	Do not connect with the electricity system.
	No naked flames.
	Ground connection
	Electrical hazard
	Carbon monoxide (CO) danger
	Fire hazard
	Risk of being burnt
	Keep away from the machine.
	Guaranteed sound power level

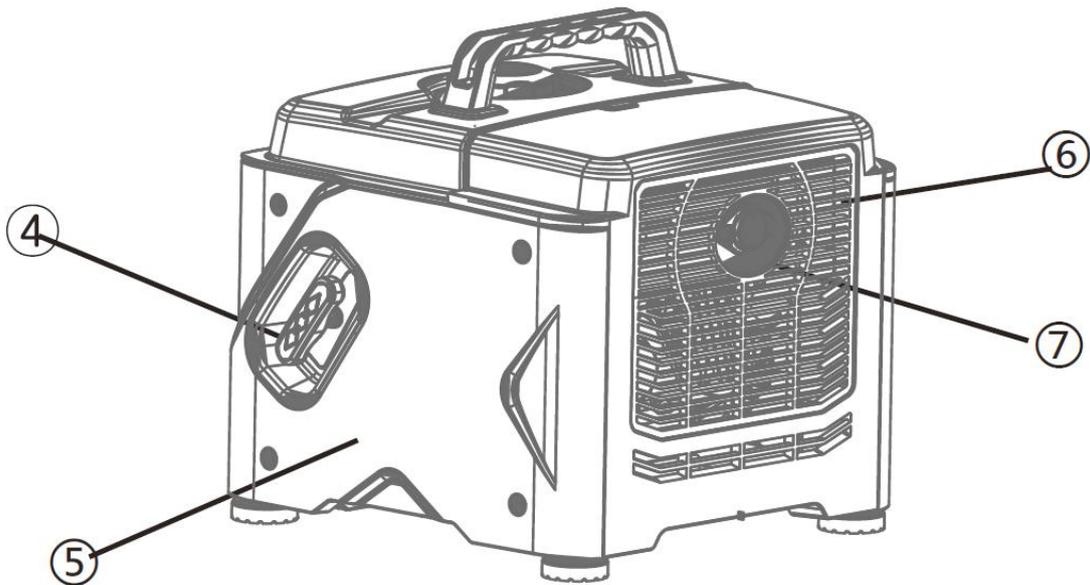
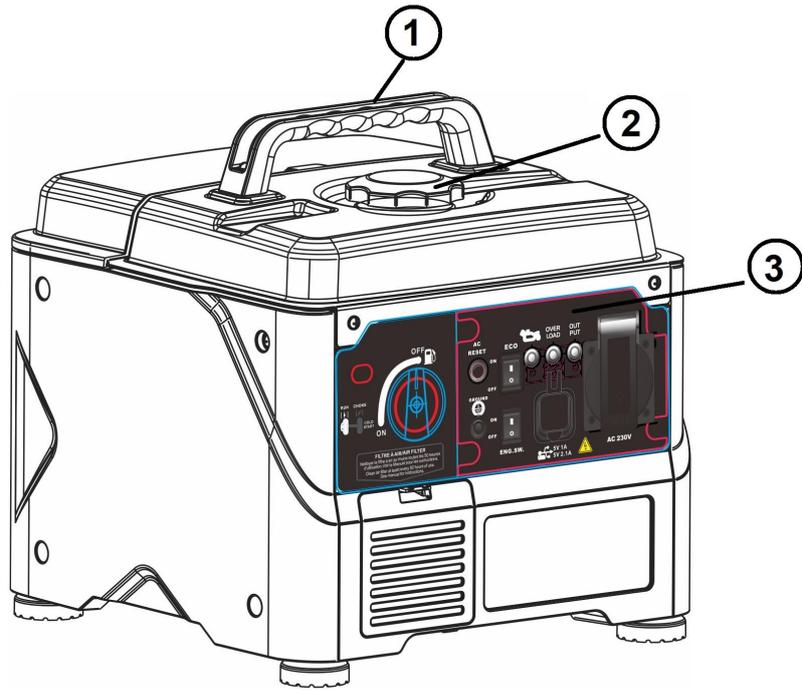
2. SAFETY LABEL POSITION

These decals indicate serious accident that you may cause.

Please read the decals, safety precautions and precautions mentioned in this manual carefully.

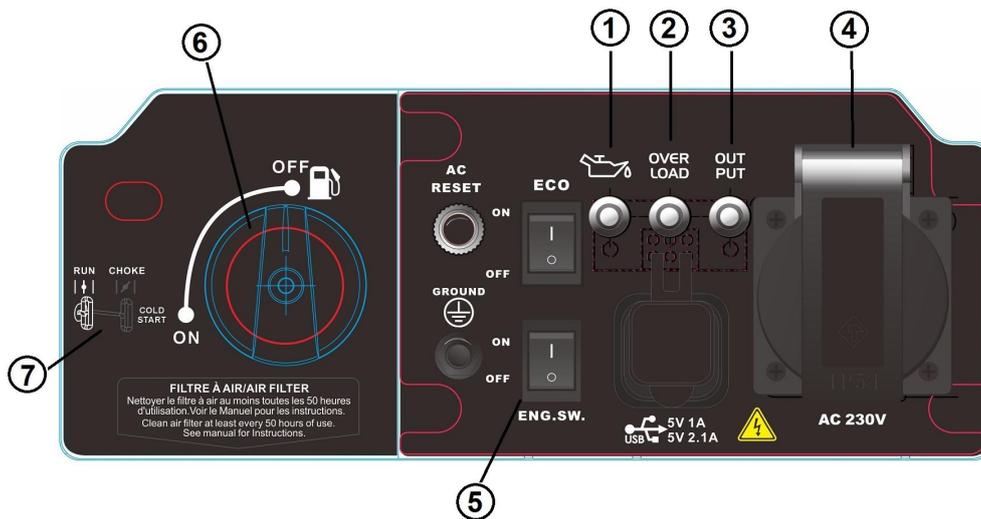


3. PARTS IDENTIFICATION



- ① Carrying handle
- ② Fuel tank cap
- ③ Control panel
- ④ Recoil starter
- ⑤ Oil filler cap
- ⑥ Louver
- ⑦ Muffler

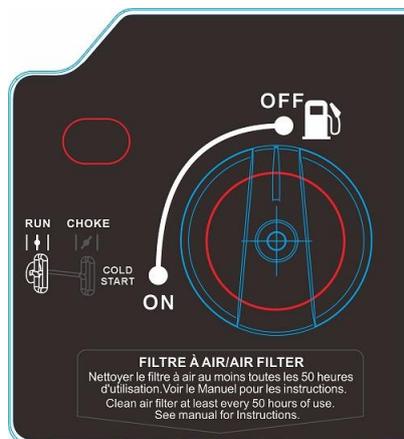
Control Panel



- ① Oil warning light
- ② Overload indicator light
- ③ AC pilot light
- ④ AC receptacle
- ⑤ Engine switch
- ⑥ Fuel switch knob
- ⑦ Throttle switch

4. CONTROL FUNCTION

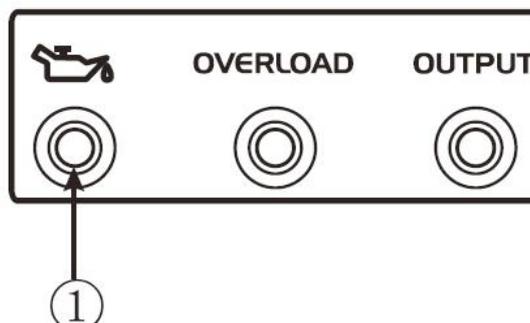
Fuel switch knob



“OFF”: Fuel is switched off. The engine will not run

“ON”: Fuel is switched on. The engine can be start.

Oil warning light(red)



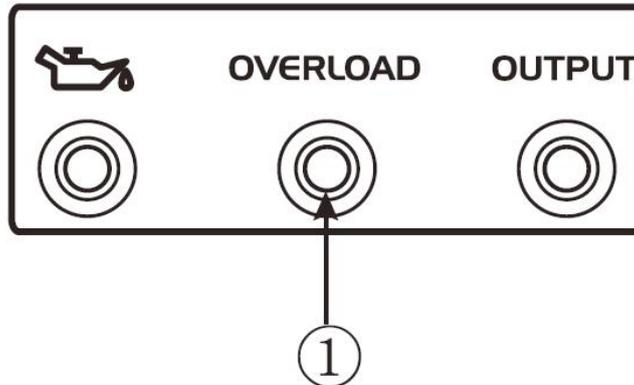
When the oil level falls below the lower level, the oil warning light ① comes on and then the engine stops automatically. Unless you refill with oil, the engine will not start again.

Tip: If the engine stalls or does not start, turn the engine switch to “ON” and then pull the recoil starter.

If the oil warning light flickers for a few seconds, the engine oil is insufficient.

Add oil and restart.

Overload indicator light (red)



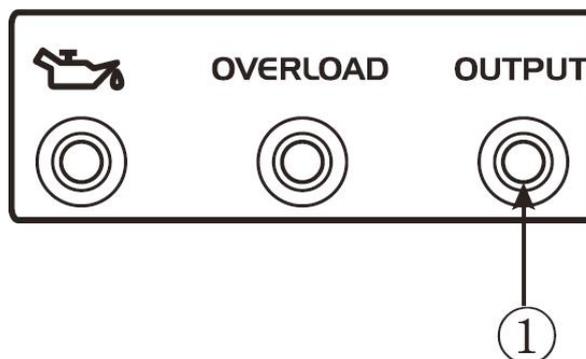
The overload indicator light ① comes on when an overload of a connected electrical device is detected, the inverter control unit overheats, or the AC output voltage rises. Then, the AC protector will trip, stopping power generation in order to protect the generator and any connected electric devices. The AC pilot light (Green) will go off and the overload indicator light (Red) will stay on, but the engine will not stop running.

When the overload indicator light comes on and power generation stops, proceed as follows:

1. Turn off any connected electric devices and stop the engine.
2. Reduce the total wattage of connected electric devices within the rated output.
3. Check for blockages in the cooling air inlet and around the control unit. If any blockages are found, remove.
4. After checking, restart the engine.

Tip: The overload indicator light may come on for a few seconds at first when using electric devices that require a large starting current, such as a compressor or a submersible pump. However, this is not a malfunction.

AC pilot light (Green)

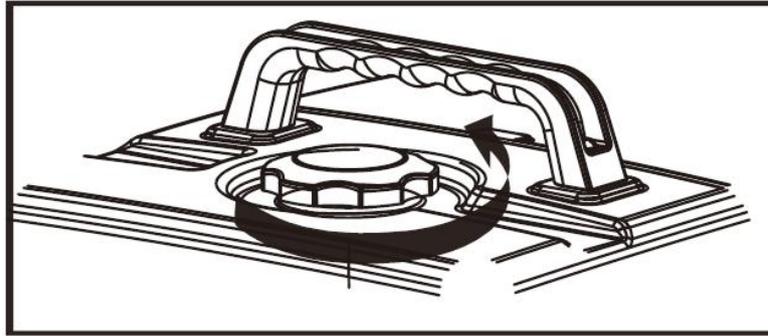


The AC pilot light ① comes on when the engine starts and produces power.

CAUTION!

Reduce the load of the connected electric device below the specified rated output of the generator if the DC protector turns off. If the DC protector turns off again, stop using the device immediately and consult our company authorized dealer.

Fuel tank cap



Remove the fuel tank cap by turning it counterclockwise.

Ground (earth) terminal



Ground (Earth) terminal ① connects the earth line for prevention of electric shock. When the electric device is earthed, always the generator must be earthed.

5. PREPARATION

Fuel

DANGER!

- Fuel is highly flammable and poisonous. Check “SAFETY INFORMATION” carefully before filling.
- Do not overfill the fuel tank, otherwise it may overflow when the fuel warms up and expands.
- After fill the fuel, make sure the fuel tank cap is tightened securely.

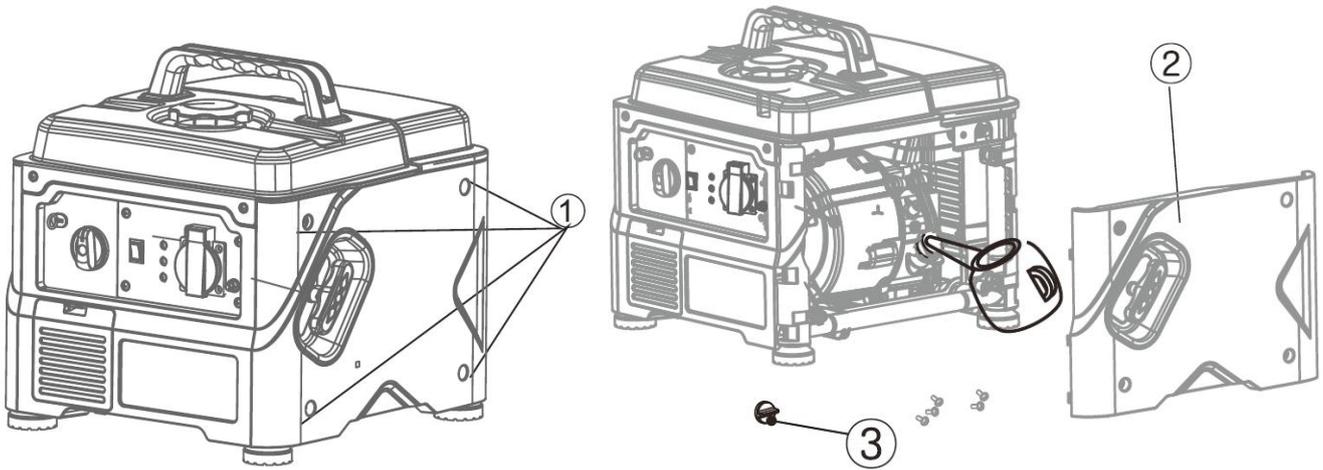
NOTICE:

- Immediately wipe off spilled fuel with a clean, dry, soft cloth, since fuel may deteriorate painted surfaces or plastic parts.
- Use only unleaded gasoline. The use of leaded gasoline will cause severe damage to internal engine parts.
- Remove the fuel tank cap and fill the fuel into the tank up to the red level.

Engine oil

NOTICE: The generator has been shipped without engine oil. Do not start the engine till fill with the sufficient engine oil.

1. Place the generator on a level surface.
2. Remove the screws①, and then remove the cover ②.
3. Remove the oil filler cap ③.



4. Fill the specified amount of the recommended engine oil, and then install and tighten the oil filler cap.
5. Install the cover and tighten the screws.

Recommended engine oil:SAE 15W-40

Recommended engine oil grade: API Service SE type or higher

Engine oil quantity: 0.28L

PRE-OPERATION CHECK

WARNING!

If any item in the Pre-operation check is not working properly, have it inspected and repaired before operating the generator.

The condition of a generator is the owner's responsibility. Vital components can start to deteriorate quickly and unexpectedly, even if the generator unused.

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

Pre-operation check

Fuel

- Check fuel level in fuel tank.
- Refuel if necessary.

Engine oil

- Check oil level in engine.
- If necessary, add recommended oil to specified level.
- Check generator for oil leakage.

The point where abnormality was recognized by use

- Check operation.
- If necessary, add recommended oil to specified level.
- If necessary, consult our company authorized dealer.

6. OPERATION

WARNING

- 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.
- Before starting the engine, do not connect any electric devices.

NOTICE:

- The generator has been shipped without engine oil. Do not start the engine till fill with the sufficient engine oil.
- Do not tilt the generator when adding engine oil. This could result in overfilling and damage to the engine.

TIP:

The generator can be used with the rated output load at standard atmospheric conditions.

“Standard atmospheric conditions”

Ambient temperature 25°C

Barometric pressure 100kPa

Relative humidity 30%

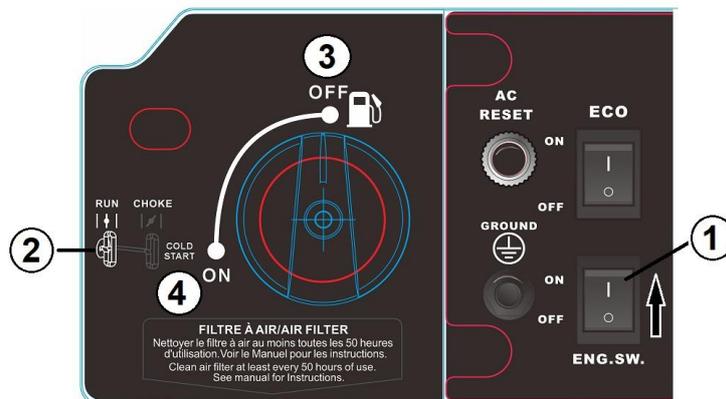
The output of the generator varies due to change temperature, altitude (lower air pressure at higher altitude) and humidity.

The output of the generator is reduced when the temperature, the humidity and the altitude are higher than standard atmospheric conditions.

Additionally, the load must be reduced when using in a confined areas, as generator cooling is affected.

Starting the engine

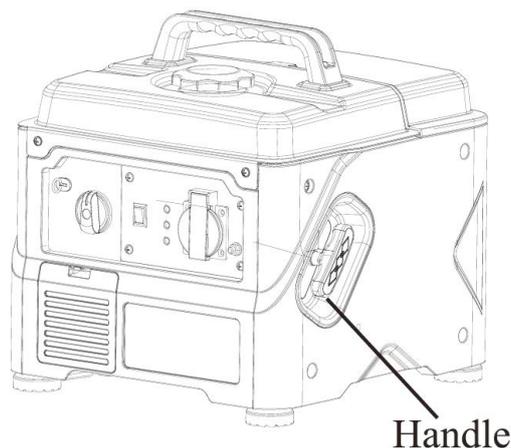
1. Turn the engine switch to “ON” ①.
2. Pull the choke out ②.
3. Turn the Fuel switch knob to “ON” ④



TIP: The choke is not required to start a warm engine. Push the choke in.

4. Pull slowly on the recoil starter until it is engaged, then pull it briskly.

TIP: Grasp the carrying handle firmly to prevent the generator from falling over when pulling the recoil starter.

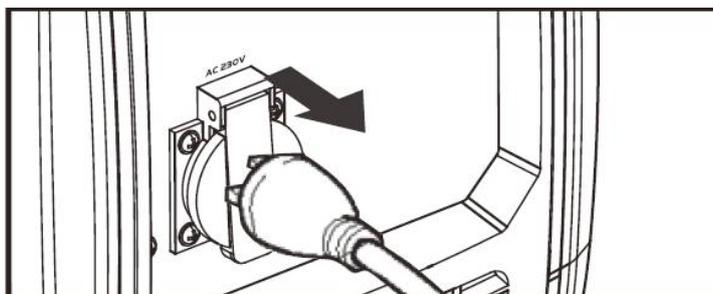


5. After the engine starts, warm up the engine until the engine does not stop when push the choke in to "OFF".

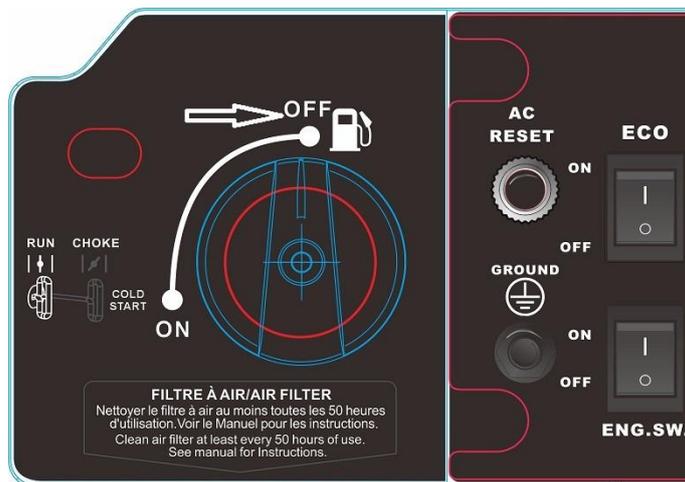
Stopping the engine

TIP: Turn off any electric devices.

1. Disconnect any electric devices.
2. Turn the engine switch to "OFF"



3. Turn the fuel switch knob to "OFF".



Alternating Current(AC) connection

WARNING!

Be sure any electric devices are turned off before plugging them in.

NOTICE

- Be sure all electric devices including the lines and plug connections are in good condition before connection to the generator.
- Be sure the total load is within generator rated output.
- Be sure the receptacle load current is within receptacle rated current.

TIP: Make sure to ground (Earth) the generator. When the electric device is earthed, always the generator must be earthed.

1. Start the engine.
2. Plug in to AC receptacle.
3. Make sure the AC pilot light is on.
4. Turn on any electric devices.

TIP:

If the generator is connected to multiple loads or electricity consumers, please remember to first connect the one with the highest starting current. and last connect the one with the lowest starting current.

Application range

When using the generator, make sure the total load is within rated output of a generator. Otherwise, generator damage may occur.

AC			
Power factor	1	0.8-0.95	0.4-0.75 (Efficiency 0.85)
1kW	≤1000W	≤800w	≤340W

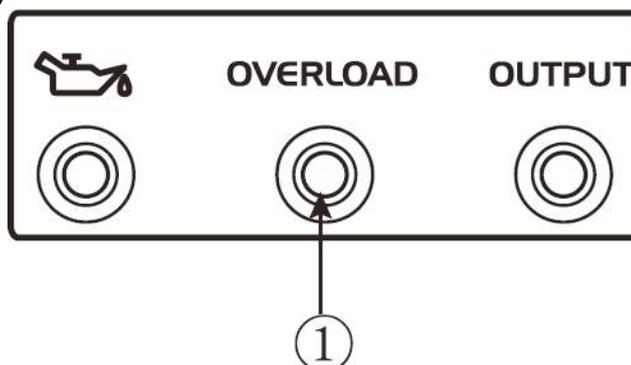
TIP:

- Application wattage indicates when each device is used by itself.
- The simultaneous usage of AC and DC power is possible but total wattage should not exceed the rated output.

EX:

Generator rated output	1kW	
Frequency	Power factor	
AC	1.0	≤1000W
	0.8	≤800W

- The overload indicator light ① comes on when total wattage exceeds the application range. (See page 10 for more details.)



NOTICE

- Do not overload. The total load of all electrical appliances must not exceed the supply range of the generator. Overloading will damage the generator.
- When supplying precision equipment, electronic controllers, PCs, Electronic computers, microcomputer based equipment or battery chargers, keep the generator a sufficient distance away to prevent electrical interference from the engine. Also ensure that electrical noise from the engine does not interfere with any other electrical devices located near the generator.
- If the generator is to supply medical equipment, advice should first be obtained from the manufacturer, a medical professional or hospital.
- Some electrical appliances or general-purpose electric motors have High starting currents, and cannot therefore be used, even if they lie within the supply ranges given in the above table. Consult the equipment manufacturer for further advice.

7. MAINTENANCE

The engine must be properly maintained to ensure its operation be safe, economy and trouble-free, as well as eco-friendly.

In order to keep your gasoline engine in good working condition, it must be periodically serviced.

The following maintenance schedule and routine inspection procedures must be carefully followed:

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 clearance*	Check-adjust				√
Fuel tank & fuel filter *	Clean				√
Fuel line	Check	Every 2 years(change if necessary)			
Cylinder head, piston	Clean up carbon*	<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.

NOTICE:

- If the gasoline engine frequently works under high temperature or heavy load, change the oil every 25 hours.
- If the engine frequently work under dusty or other severe circumstances, clean the air filter element every 10 hours; If necessary, change the air filter element every 25 hours.
- The 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.

WARNING!

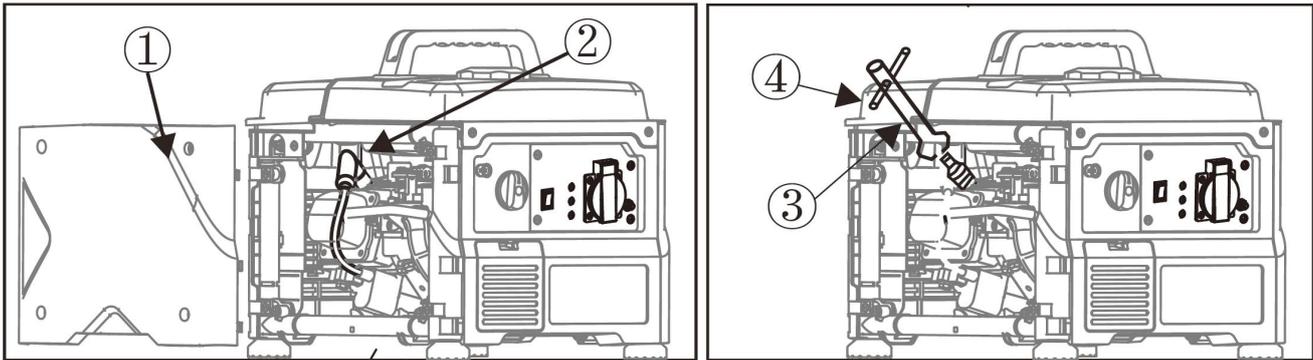
Stop the engine before servicing. Put the engine on a level surface and remove the spark plug cap to prevent the engine from starting.

Do not operate the engine in a poorly ventilated room or other enclosed area. Be sure to keep good ventilation in working area. The exhaust from the engine may contain poisonous CO, inhalation can cause shock, unconsciousness and even death.

Spark plug inspection

The spark plug is important engine components, which should be checked periodically.

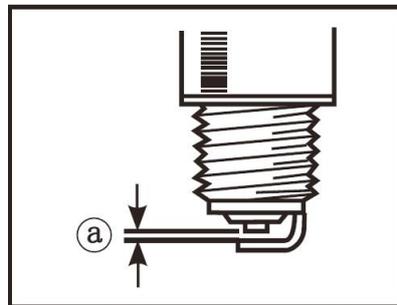
1. Remove the cap ① and the spark plug cap ②, and Insert the tool ③ through the hole from the outside of the cover.



2. Insert the handlebar ④ into the tool ③ and turn it counterclockwise to remove the spark plug.
3. Check for discoloration and remove the carbon. The porcelain insulator around the center electrode of spark plug should be a medium-to-light tan color.
4. Check the spark plug type and gap.

Standard Spark Plug:A5RTC

Spark Plug Gap:0.6-0.8mm



TIP: The spark plug gap should be measured with a wire thickness gauge and, If necessary, adjusted to specification.

5. Install the spark plug.

Spark Plug Torque: 12.5 N*m (1.25kgf*m, 9 lbf*ft)

TIP: If a torque wrench is not available when installing a spark plug, a good estimate of the correct torque is 1/4-1/2 turn past finger tight. However, the spark plug should be tightened to the specified torque as soon as possible.

6. Install the spark plug cap and spark plug cover.

Carburetor adjustment

The carburetor is a vital part of the engine. Adjusting should be left to our company authorized dealer with the professional knowledge, specialized date, and equipment to do so properly.

Engine oil replacement

WARNING!

Avoid draining the engine oil immediately after stopping the engine. The oil is hot and should be handled with care to avoid burns.

1. Place the generator on a level surface and warm up the engine for several minutes. The stop the engine and turn the engine switch, fuel switch knob to "OFF".
2. Remove the screws and then remove the cover.
3. Remove the oil filler cap .
4. Place an oil pan under the engine. Tilt the generator to drain the oil completely.
5. Replace the generator on a level surface.

NOTICE

Do not tilt the generator when adding engine oil. This could result in overfilling and damage to the engine.

6. Add engine oil to the upper level.

Recommended engine oil:SAE 10W-40

Recommended engine oil grade: API Service SE type or higher

Engine oil quantity:0.28L

7. Wipe the cover clean, and wipe up any spilled oil.

NOTICE: Be sure no foreign material enters the crankcase.

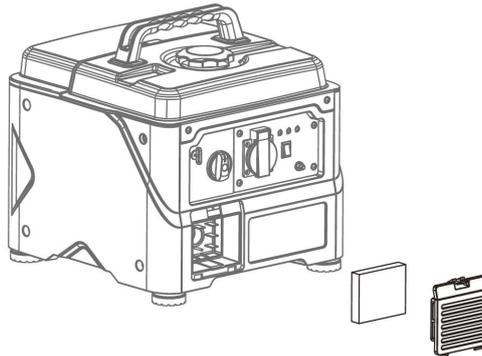
8. Install the oil filler cap.

9. Install the cover and tighten the screws.

Air filter

1. Remove the air filter case cover .

2. Remove the foam element.



3. Wash the foam element in solvent and dry it.

4. Oil the foam element and squeeze out excess oil.

The foam element should be wet but not dripping.

NOTICE: Do not wring out the foam element when squeezing it. This could cause it to tear.

5. Insert the foam element into the air filter case.

TIP: Be sure the foam element sealing surface matches the air filter so there is no air leak.

The engine should never run without the foam element; excessive piston and cylinder wear may result.

6. Install the air filter case cover in its original position.

Muffler screen

WARNING

The engine and muffler will be very hot after the engine has been run. Avoid touching the engine and muffler while they are still hot with any part of your body or clothing during inspection or repair.

Fuel tank filter

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.

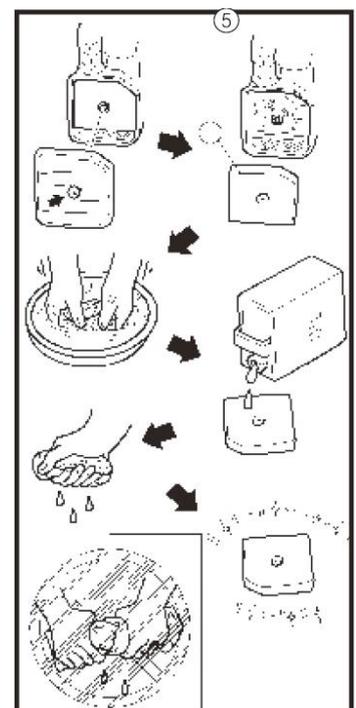
3. Wipe the filter and install it.

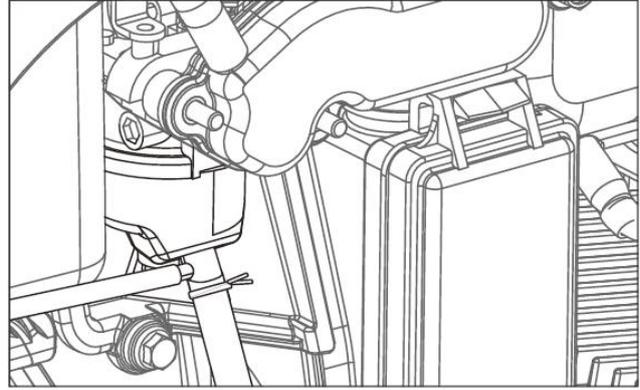
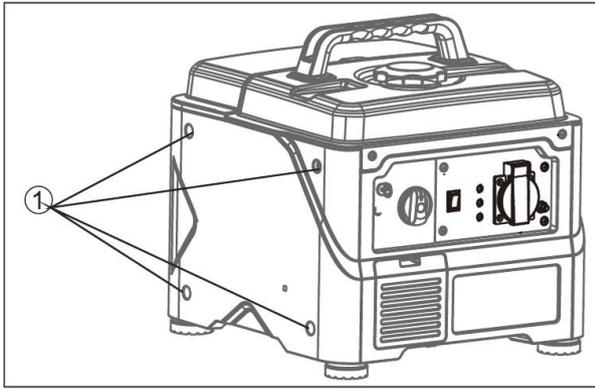
4. Install the fuel tank cap.

Be sure the fuel tank cap is tightened securely.

Fuel filter

1. Remove the screws ①, and then remove the cover , and drain the fuel.





2. Hold and move up the clamp , then take off the hose from the tank.
3. Take out the fuel filter.
4. Clean the filter with gasoline.
5. Dry the filter and put it bank into tank.
6. Install the hose and clamp, then open the fuel valve to check whether it is leak.
7. Install the cover and tighten the screws.

8. STORAGE

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

Drain the fuel

1. Stop the engine.(See page 22).
2. Remove the fuel tank cap, remove the filter . Extract the fuel from the fuel tank into an approved gasoline container. Then, install the fuel tank cap.

WARNING!

Fuel is highly flammable and poisonous. Check“SAFETY INFORMATION”(See page 5) carefully.

NOTICE: Immediately wipe off spilled fuel with a clean, dry, soft cloth, since fuel may deteriorate painted surfaces or plastic parts.

3. Start the engine (See Page21) and leave it run until it stops. The engine stops in approx. 20 minutes. Time by running out of fuel.

TIP:

- Do not connect with any electrical devices.(unloaded operation)
 - Duration of the running engine depends on the amount of the fuel left in the tank.
4. Remove the screws, and then remove the cover.
 5. Drain the fuel from the carburetor by loosening the drain screw on the carburetor float chamber.
 6. Turn the engine switch to“OFF”.
 7. Tighten the drain screw.
 8. Install the cover and tighten the screws.
 9. Turn the fuel switch to“OFF”after the engine has completely cools down.

Engine

Perform the following steps to protect the cylinder, piston ring, etc. From corrosion.

1. Remove the spark plug, pour about one table- spoon of SAE 15W-40 into the spark plug hole and reinstall the spark plug. Recoil start the engine by turning over several times (with the engine switch off) to coat the cylinder walls with oil.
2. Pull the recoil starter until you feel compression. Then stop pulling. (This prevents the cylinder and valves from rusting).
3. Clean exterior of the generator. Store the generator in a dry, well-ventilated place, with the cover placed over it.

9. TROUBLESHOOTING

Engine won't start

1. Fuel systems

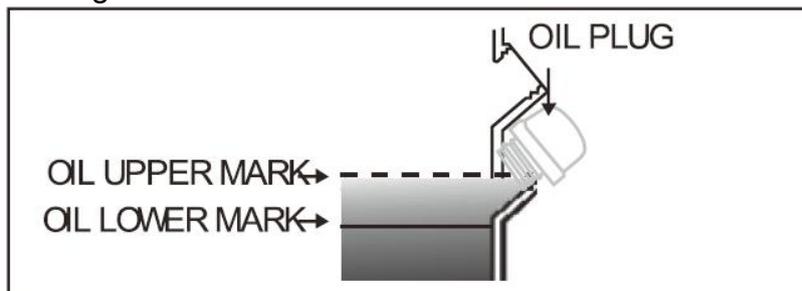
No fuel supplied to combustion chamber.

- No fuel in tank...Supply fuel.
- Clogged fuel filter Clean fuel filter.
- Clogged carburetor.... Clean carburetor.

2. Engine oil system

Insufficient

- Oil level is low.... Add engine oil.



3. Electrical systems

- Pull the choke out and pull the recoil starter ... Poor spark.
- Spark plug dirty with carbon or wet ... Remove carbon or wipe spark plug bdry.
- Faulty ignition system ... consult our company authorized dealer.

Generator won't produce power

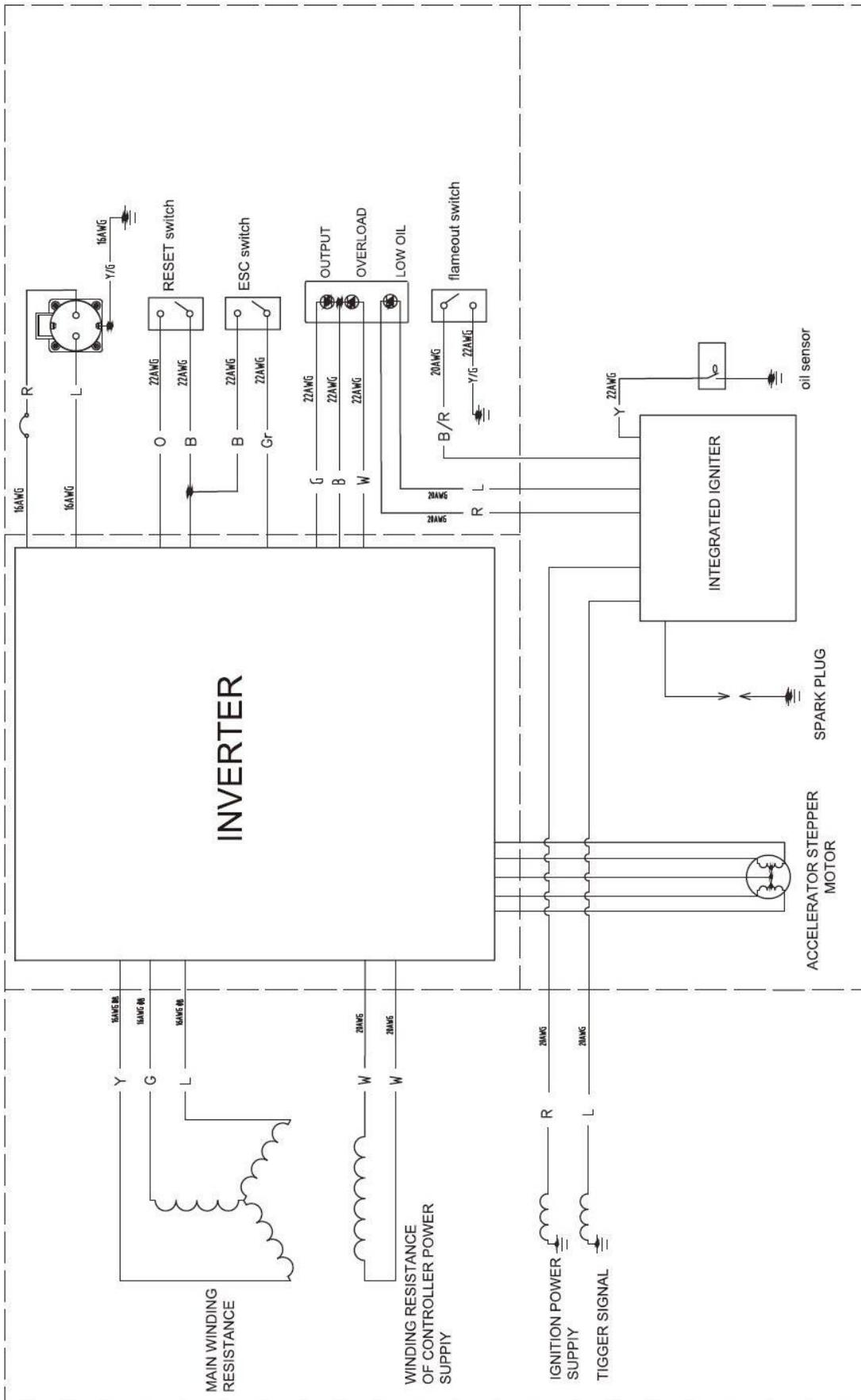
- The AC pilot light (Green) go off Stop the engine, then restart.

10. SPECIFICATIONS

Model No.		FG1200i
Generator	Type	Silent inverter
	Rated frequency	50Hz
	Rated voltage	230V~
	Rated output power(COP)	1kW
	Maximum power	1.2kW(S2:5min)
	Rated power factor	1.0
	AC rated current	4.3A
	DC rated current	5V d.c 1A/2.1A
	Degree of protection	IP23M
	Continue running time(at rated power)	3h
	AC output quality	ISO8528 G2
Engine	Engine	R56-i
	Engine type	Single cylinder, 4-Stroke forced air cooling, OHV
	Displacement	56cm ³
	Fuel type	Unleaded gasoline
	Fuel tank capacity	2.8L
	Oil capacity	0.28L
	Spark model No.	A5RTC,K7RTC,CR6HSA,E5RTC
	Starting mode	Recoil starter
Generator set	Length x Width x Height	336X327X306mm
	Net weight	12.4kg

Guaranteed sound power level: 95dB(A)
 Emission sound pressure level: 73dB(A) Uncertainty K: 1.95dB(A)
 Emission sound power level: 93dB(A) Uncertainty K: 1.95dB(A)

11. CIRCUIT DIAGRAM



12. DECLARATION OF CONFORMITY



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

Declares that the machinery designated below:

GASOLINE INVERTER GENERATOR

Model: FG1200i

Serial number: 20240319380-20240319629

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 & 2017/656/EU

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

Notified body of noise certificate: TÜV SÜD Product Service GmbH (Notified Body 0036),
Ridlerstraße 65 80339 Munich (Germany)

Measured sound power level, LwA: 93 dB(A), K =1.95 dB(A)

Guaranteed Sound power level: 95 dB(A)

Responsible for the technical file: Michel Krebs

Cugnaux, 28/02/2024

Philippe MARIE / PDG

13. WARRANTY



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 of 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.

FEIDER



BUILDER SAS

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

MADE IN PRC