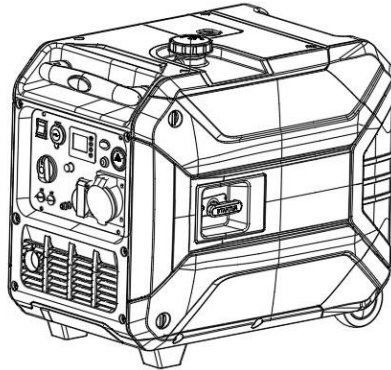


OWNER'S MANUAL

To correctly operate your generator are for your own safety, be sure to read this manual carefully, otherwise the accident will result.
If you have problem about your generator, please contact with sales company or the authorized dealer.

GASOLINE GENERATOR



Thank You For Using Digital Inverter Generator!

This manual describes the operation, use and maintenance of the generator. Before operating this machine, please be sure to read and understand this manual carefully, otherwise the wrong operation may lead to safety hazards or equipment damage. Proper and safe operation can extend the service life of the generator.

Due to the continuous improvement and enhancement of the product, the company reserves the right to improve the machine without notifying you. Please note the difference between the generator described in the manual and your generator. If you have any questions about this manual, please consult your dealer.

For the personal and property safety of you and others, please pay special attention to the items with safety warning labels on the front.

Note:

▲ WARNING Failure to follow the instructions may result in very serious injury and property damage.

▲ WARNING Failure to follow the instructions may result in more serious injury or property damage.

▲ WARNING Failure to follow the instructions may result in damage to your generator and other property.

Note:

1. This manual shall be regarded as a part of the machine and shall be delivered to the buyer together with the machine at the time of resale;
2. If you have any questions about the operation, use or maintenance of this machine, please

call your dealer for advice;

3. The copyright of this manual belongs to the company, and the company reserves the right of final interpretation;

4. Any content of this manual may not be reproduced without the written permission of the company.

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1. Safety Instructions

To ensure personal and property safety, please read and understand this manual carefully before operating the generator, only familiar with the generator's safe operation procedures can help you avoid accidents. Only familiar with the generator's safe operation procedures can help you avoid accidents.

⚠ WARNING

- Make sure that children and pets are away from generator operating area.
- Generator tail gas contains CO and other harmful gases, do not use the generator indoors or in a poorly ventilated environment.
- Do not use the generator in wet, rain, snow or with wet hands.
- Do not touch live parts such as the generator panel receptacle and the exposed port of the plug wire during operation.

⚠ WARNING

- Do not connect the generator directly to the home circuit.
- Please be sure to master how to turn off the generator quickly and understand the basic operation of each control component.
- When the generator is running or just stopped, the muffler and other engine parts will be very hot, do not touch.
- Filling gasoline/oil must be done in a well-ventilated open place after the generator is turned

off and cooled.

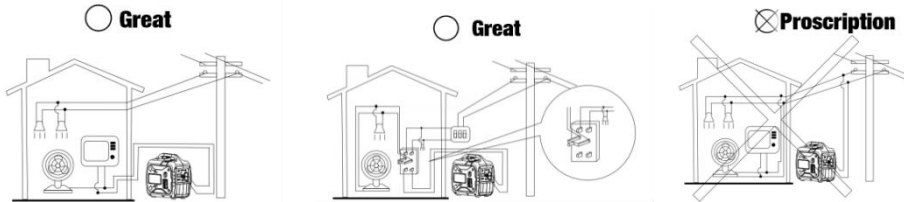
⚠ WARNING

- Generators should be stored and used away from fire, smoke, high temperature, etc.
- Check before operation each time you start the generator to avoid accidents or damage to the equipment.
- Please place the generator on a level surface for operation. If the generator is tilted, it may cause gasoline spillage.
- Please ground the generator before operation.
- Please keep the generator mask, tailgate, and base plate vent open and free of debris.

1.1. Connection to The Home Circuit

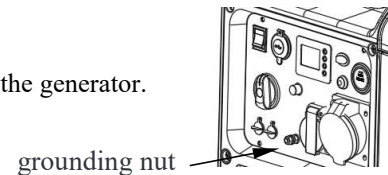
▲ WARNING When connecting a generator to the home circuit for backup power, the connection should be made by a professional electrician or someone familiar with electricity.

▲ CAUTION Connect the generator to the home circuit as shown below, then carefully check the circuit connections for safety and reliability. If there are incorrect connections, this could result in generator damage, fire, or damage to electric equipment.



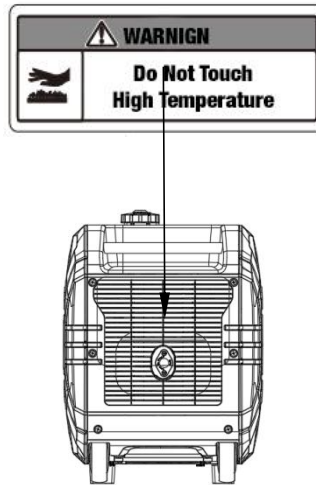
1.2. Generator Grounding

▲ CAUTION For electrical safety, conduct the grounding nut to ground with a well-conducted ground wire before using the generator.



1.3. Warning Labels

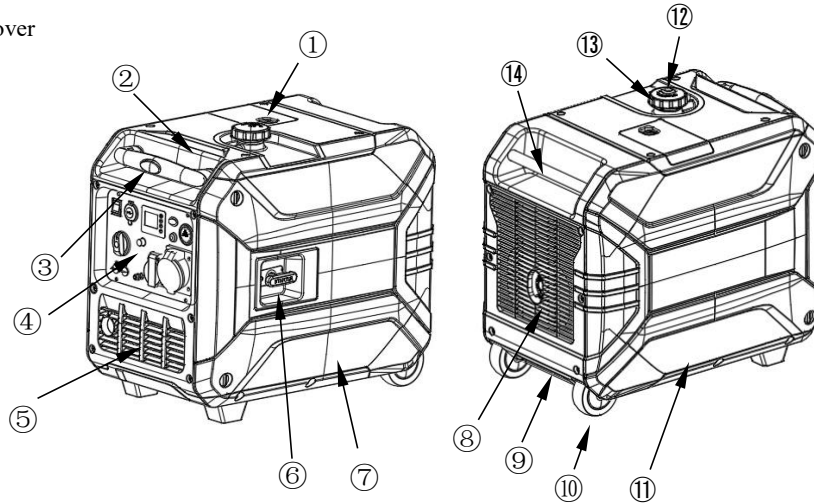
The generator has warning labels affixed to the body of the generator that warn you of potential hazards that could cause serious injury or death. Carefully read the contents of the labels affixed to the body of the generator as well as the safety warnings and notes. If the label has come off or is unreadable, contact your dealer and have it replaced.



2. Know Your Generator

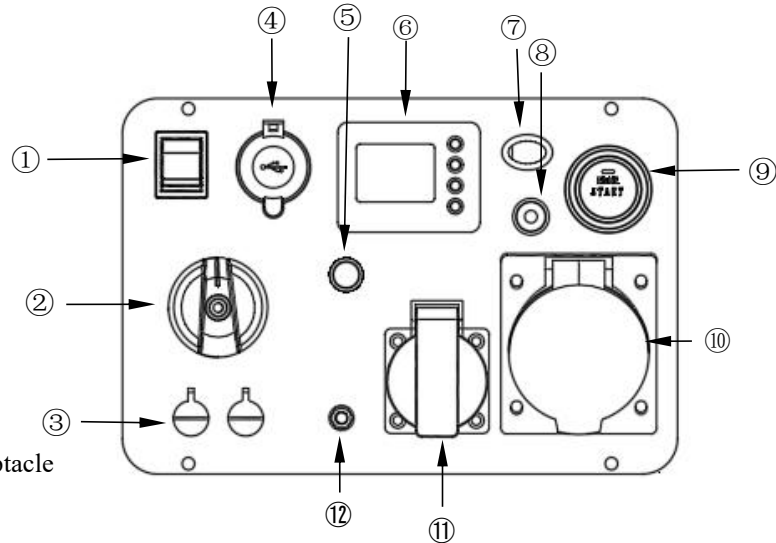
2.1. Generator

- ① Spark Plug Maintenance Cover
- ② Top Cover
- ③ Trolley Handle
- ④ Control Panel
- ⑤ Ventilation Slots
- ⑥ Recoil Starter
- ⑦ Right Side Cover
- ⑧ Spark Arrester
- ⑨ Muffler Cover
- ⑩ Never Flat Wheels
- ⑪ Left Side Cover
- ⑫ Fuel Tank Cap Vent Knob
- ⑬ Fuel Tank Cap
- ⑭ Carrying Handle



2.2. Control Panel

- ① Engine Switch
- ② 3-in-1 Switch (Fuel Switch)
- ③ Parallel Operation Outlets
- ④ USB Port
- ⑤ DC Thermal Switch
- ⑥ Data Display Center
- ⑦ Idle Switch (Eco Mode Switch)
- ⑧ AC Reset Switch
- ⑨ Push Button Starter
- ⑩ 3-Pin Receptacle 32A
- ⑪ 3-Pin Anti-Disconnection Receptacle
- ⑫ Grounding Nut



Note: Generator panel configuration is subject to the actual product.

3. Controls & Features

3.1. Engine Switch

(1) Engine switch set to "OFF"

indicates that the ignition system is disconnected and the generator will not run;

(2) Engine switch set to "ON"

indicates that the ignition system is connected and the generator can operate normally.

3.2. Idle Switch

When the idle switch is set to "ON", the generator runs at a lower speed with no load and increases the speed based on the connected load until reaching the maximum speed. This allows for better fuel consumption rates and lower noise levels.

When the idle switch is set to the "OFF", the generator runs at a higher speed with no load and increases the speed based on the connected load until reaching the maximum speed (speed above 50% load is the same as eco-mode).

Note: The idle switch must be turned off when using equipment with high starting currents (e.g. air compressors, water pumps, etc.) or DC equipment.

ON



OFF

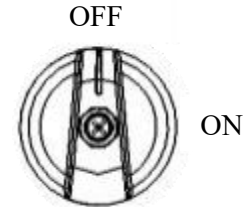
3.3. 3-in-1 Switch

(1) The 3-in-1 switch set to "OFF"

indicates that the fuel switch is fully closed, at which point the generator cannot operate;

(2)The 3-in-1 switch set to "ON"

indicates that the fuel switch is fully open, and the generator can operate normally.



3.4. Push Button Starter

The push button starter is waterproof.



3.5. Grounding Nut

The panel grounding nut should be conducted to ground with a ground wire to prevent the risk of electric shock from leakage. The generator must be grounded before use.

3.6. DC Thermal Switch

When the generator is overloaded, the thermal protection starts and the generator's DC output stops. To ensure the normal operation of the generator, turn off the connected equipment and reduce the DC load of

the equipment to the rated load of the generator, and then press the DC thermal protection switch to restore the DC output of the generator.

3.7. Data Display Center



(1) Low Oil Indicator (Yellow)

When the oil level in the crankcase is lowered to the safety line, the low oil indicator will flash to remind that the oil is insufficient and needs to be refilled. When the oil level is lowered below the safety line, the oil protection system will automatically shut down the generator and it cannot be started again. The generator can be started again only after refilling the engine oil.



(2) Fault Indicator (Red)

The fault indicator turns on when the generator detects a fault in the output of the device (overload, short-circuit, large voltage deviation, etc.).

When the generator detects a slight overload, the fault indicator flashes; when it detects a large amount of overload, it will stop the generator output to protect the generator, at this time, the operation indicator turns off, the fault indicator light turns on, and there is no output from the generator panel, but the engine will not stop running.

When the generator is running normally and is connected to electric equipment, the fault indicator light remains on, the operation indicator is off and it cannot load the electric equipment, please take the following countermeasures:

1. Turn off all connected electric equipment, then turn off the generator and disconnect the generator from the electric equipment;
2. Check the total power of the connected electric equipment to ensure that it is within the rated power load of the generator;
3. After checking, restart the generator, and after the generator has stabilized, restart the electric equipment;
4. If the fault indicator remains on after restarting the generator, the generator is defective and should be sent for inspection and repair.

Note: 1. When starting equipment with high instantaneous currents (air compressors, water pumps, etc.), the fault indicator may flash and then go out, which is not a fault and can be used normally;

2. If it can be directly ascertained that the alarm is caused by an overload, reduce the load after turning off the equipment and press the AC reset button to resume operation;
3. The generator should not be overloaded for long periods of time. Slight overloading will affect generator life, and large amounts of overloading will damage the generator.

(3) Operation Indicator (Green)

When the generator starts and outputs normally, the run indicator remains on.



(4) Digital Display Meter

The digital display meter shows five items: voltage (V), frequency (Hz), single run time (H), cumulative run time (H), oil level, the display content can be switched by pressing the "MODE" key.

Single Run Time: Start timing each time the generator starts, and end timing and clearing when the generator stops.

Accumulated Runtime: The generator has accumulated time from the first startup (your generator may have a small amount of time due to factory testing).

3.8. DC Thermal Switch

The DC thermal switch is used to protect the 3-pin receptacle, which has a rated output current of 16 A. When the output of the receptacle is overloaded, the thermal switch is activated and the receptacle stops outputting. In order to ensure the normal operation of the generator, turn off the connected equipment to reduce the load of the equipment to the rated load of this receptacle, and then press the DC thermal switch to resume the output.

3.9. AC Reset Switch

When the generator is operating normally, the AC load surpasses the rated power of the generator, causing the AC output from the generator panel to cease and the fault warning indicator to remain on. In order to ensure the normal operation of the generator, turn off the connected equipment to reduce the load of the equipment to within the rated load of the generator, and press the AC reset button to restore the generator output.

3.10. Parallel Operation

The parallel outlets are used for connecting two H6500iE-A generators for parallel operation. An approved cable is required for connection. For instructions on operation and relevant precautions, refer to 'Parallel Operation' or seek advice from your dealer.

3.11. USB Port

Generator USB Type-c output is waterproof.



4. Using Your Generator

4.1. Preparation - Oil

▲ WARNING

This generator is shipped **WITHOUT OIL** in the engine, do not start the generator until it is filled with sufficient oil:

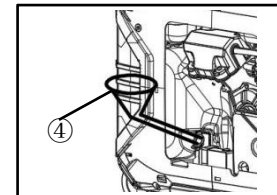
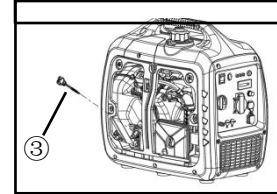
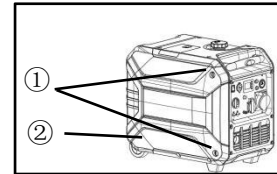
1. Place the generator on a level surface;
2. Loosen knob ①, remove the left side cover ②, and take out the oil dipstick ③;
3. Use the funnel ④ to fill specified oil and tighten the dipstick;
4. Wipe off residual oil with a clean cloth to prevent dirt or dust from falling into the oil;
5. Install the left side cover back and tighten the knob.

Recommended oil: SAE 10W-30 (API-SE or better)

Recommended rated oil capacity: 0.6L (0.158 gal)

Note:

1. Do not tilt the generator when refueling to prevent damage to the generator by adding too much oil;



2. Do not tip the generator after refueling to prevent oil from backing up and damaging the generator;
3. When using the oil beyond the recommended operating temperature range, choose the oil with appropriate viscosity;
4. Do not mix oils of different specifications to prevent negative effects on performance.

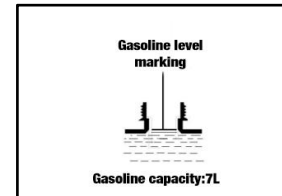
4.2. Preparation - Fuel

▲ WARNING

- Gasoline is a flammable and toxic substance. Please read the safety instructions carefully before refueling.
- Turn off the generator and refuel in a well-ventilated area.
- Gasoline must not exceed the red mark, otherwise it may overflow when the tank gets hot.

Refueling steps:

1. Remove the fuel tank cap;
2. Add gasoline up to the red mark;



3. After refueling, securely tighten the fuel tank cap;
4. Wipe off the residual gasoline with a clean, soft cloth to avoid damaging the plastic casing.

Recommended fuel: 87-octane gasoline

Fuel tank volume: 12L (3.17 gal)

Note: 1. Use unleaded gasoline to prevent engine damage;

2. Do not use gasoline containing ethanol or methanol, or the engine may be damaged;
3. Do not use dirty gasoline or allow dirt or water to enter the fuel tank.

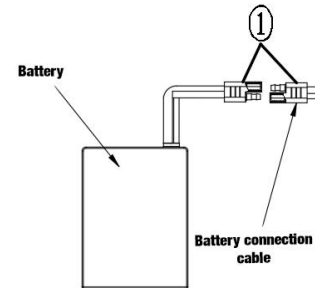
4.3. Preparation - Battery

To prevent the battery from discharging, this generator is shipped without the battery connected to the starting motor, please connect the battery cable properly before starting the generator.

⚠ WARNING Battery Connecting Steps:

1. Release the knob and remove the left side cover;
2. Connect the battery output cable with the starting cable①;
3. Install the left side cover back and tighten the knob.

Note:



1. Please disconnect the cables when it is not going to be used for a long time, otherwise the battery cannot be started due to overdischarge;
2. Lithium batteries are prone to danger when exposed to high temperature and impact, please keep them away from fire.

4.4. Pre-use Inspection

Users should pay attention to the condition of the generator. Even if the generator has not been used, its important parts may have abnormalities. Please check and maintain the generator carefully when using it for the first time or after long-term storage, and if there is any abnormality, it needs to be treated before use.

▲ CAUTION The following checks should be made before each use of the generator:

- Fuel
- Oil
- Fuel/oil pipes (Oil circuit system)

Note: If the generator has been used recently and is confirmed to be normal, it is not necessary to inspect it (if there is any abnormality, serious property damage may occur).

4.5. Precautions for Use

▲ WARNING

1. Do not use the generator in an enclosed space, the tail gas can cause unconsciousness or even death, please use it in a well-ventilated place;
2. Do not connect any electric equipment before starting the generator;
3. The generator can operate at rated output power in the rated environment, and the starting and output performance may be slightly reduced when deviating from the rated environment.

Rated Operating Environment:

Ambient Temperature 25°C, Atmospheric Pressure 100kPa, Relative Humidity 30%;

4. Do not exceed the operating range of the generator during operation, as this may cause a decrease in its performance under environmental conditions, and in severe cases, it may not be able to operate at all.

Generator Use Range:

Ambient Temperature: -5°C~40°C, Altitude $\leq 1000\text{M}$, Relative humidity $\leq 95\%$;

5. When the generator is used in a small space, the generator cooling is affected, and part of the load needs to be reduced;
6. Please separate the generator from other equipment or coverings by more than 1 meter to prevent danger or impact on performance;
7. If an emergency occurs during the use of the generator, press the engine switch to “OFF” to stop the generator immediately.

Note: Before using the generator, please read the "Safety Instructions" carefully to help you avoid accidents.

4.6. Starting Your Generator

1. Turn the idle switch to "OFF" ①;
2. Turn the fuel cap vent knob to "ON" ②;
3. Turn the 3-in-1 switch to the "CHOKE" ③;

Note: 1. Turn the 3-in-1 switch to "ON" when hot starting;

2. After refueling, wait several seconds before starting the engine again.

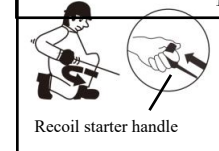
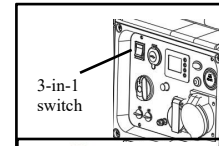
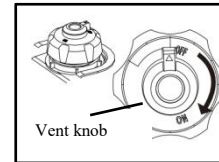
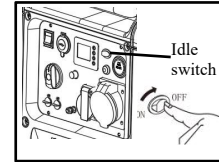
4. (1) Press the push button starter for a few seconds until the generator starts then release ④;

(2) Pull the recoil starter handle to start;

Note: When pulling the recoil starter handle, hold down the generator to prevent it from falling;

5. Turn the 3-in-1 switch to "ON" (wait a few seconds when the ambient temperature is low) ;

1. When the generator is running steadily in the "ON" position, the



operation indicator remains on.

Notes: 1.The condition of the generator needs to be monitored

▲ CAUTION

during operation. If there is any abnormality, stop the generator immediately for inspection;

2. When the ambient temperature is below 0°C(32°F), warm up the machine for 5 min before connecting the load;

3.When the ambient temperature is lower than 5°C(41°F), warm up the machine for 3 min before connecting the load.

4.7. Alternating Current (AC) Connection

Before connecting to the generator, ensure that all electric equipment is turned off; ensure that all electrical equipment including wires and plugs are in good condition; and verify that the generator is grounded if the electrical equipment requires grounding.

When preparation is complete, start the generator and when it is running steadily, plug in the equipment and then start the electrical equipment.

Note: 1. When connecting small load AC equipment and not connecting DC loads, the idle switch

▲ CAUTION

- can be turned to “ON” before connecting;
2. After the total load current exceeds the rated output current of the generator, the fault warning indicator will turn on and disconnect the output to protect the generator;
 3. If the overload protection is triggered when starting equipment with high instantaneous current, please try a few more times. If unsuccessful, consider using a higher power generator;
 4. When the generator is to supply power to more than one device, please start the equipment according to the load of each device (including DC), in order from the largest to the smallest;
 5. The new generator should run at 50% load for 20 hours and have the engine oil changed to achieve optimal performance.

4.8. Direct Current (DC) Connection

⚠ CAUTION Before connecting to the generator, make sure that all electric equipment is turned off; make sure that all electrical equipment, including wires and plugs, are in good condition; ensure that the total DC load carried is within the generator's DC rated load, and ensure that the rated voltage of the electrical equipment matches the generator's output rated voltage.

When preparation is complete, start the generator and when it is running steadily, plug in the equipment and then start the electrical equipment.

4.9. AC Parallel Operation

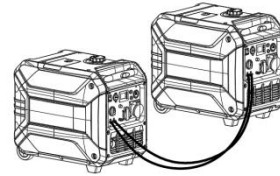
▲ CAUTION This generator is equipped with AC parallel operation function, when the power demand of the power-using equipment exceeds the rated output of a single generator, two sets of this generator can be operated in parallel:

1. When the parallel power demand is $\leq 7\text{KW}$, connect two sets of this generator using the matching cable kit (connect the sockets and wires with the same color);
2. When the parallel power demand is $\geq 7\text{KW}$, connect two sets of this generator to the parallel box with the matching cable kit;
3. Start the two generators in turn to ensure that the operation indicator of each generator is on and in stable operation;
4. Plug into any generator 230V AC outlet when paralleling generators, and plug into the paralleling box outlet when paralleling boxes;
5. Start the electric equipment.

The rated power of the two generators in parallel operation is 9KW, and the power demand of the electric equipment shall not exceed the rated power in parallel operation.

Note: 1. The idle switch for parallel operation of the generator must be turned to "OFF";

2. Never run generators of different models in parallel;
3. Parallel operation can only use matching parallel operation cables;
4. Never connect or disconnect the parallel run cable when the generator is running;
5. When a single generator is in use, the cables running in parallel must be unplugged.

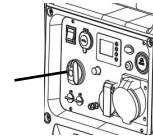


4.10. Switch Off Your Generator

When the generator is finished being used and needs to be turned off, follow the steps below:

1. Turn off all electric equipment;
2. Turn the 3-in-1 switch to "OFF";
3. Unplug electric equipment;
4. Wait until the generator has cooled down completely before stowing it.

3-in-1
switch



▲ WARNING

Note:

1. In case of emergency during the use of the generator, you can directly turn the 3-in-1 switch to "OFF" to stop the generator immediately;
2. Please read the "Safety Instructions" carefully before use to help you avoid accidents;
3. If the generator is to be transferred or stored for a long period of time, please complete the protection measures according to the requirements of "Storage & Transportation".

5. Maintenance

1、The users are required to operate the generator in a safe and standard manner, as well as conduct regular checks and maintenance to ensure the safety, efficiency, and long-term functionality of the generator.

▲ WARNING

Note:1. If you are not familiar with maintenance operations, please leave it to the dealer to serve you;

2. Please turn off the generator and allow it to cool down before maintenance, as some items may pose a risk of burns.

3. Only use specified genuine parts for replacement, please contact the dealer for specific instructions.

Items	Routine checkup	Pre-use inspection	Every 6 months or 100 hours	Every 12 months or 300 hours
Fuel	Check oil level, tank for leakage.	●(*1)		
Oil	Check oil level, replace.	●(*1)	●(*2)	
Air filter cartridge	Check condition, clean or replace.		●(*3)	
Muffler mesh	Check condition, clean or replace if necessary.		●	
Spark plug	Check condition, clean or replace if necessary.		●	
Fuel tank filter	Clean or replace as necessary.		●	
Fuel filter	Clean or replace as necessary.			●
Fuel pipe	Check for cracks or breaks and replace if nesecessary.			●
Exhaust pipe	Check for cracks or breaks and replace if necessary.			●
Cylinder head cover	Clean carbon deposit, do it multiple times if needed.			★
Valve clearance	Check and adjust after the generator has cooled down.			★
Assembly/fixator	Check all assemblies/fixators and adjust if necessary.			★

*1 The generator, if recently used, may not be inspected if it is determined to be in good condition (any abnormalities may result in serious property damage).

*2 The first oil change in the previous month or after 20 hours of operation;

*3 The air filter cartridge needs to be cleaned more frequently when used in humid or dusty places.

★ These items should be maintained by the authorized dealers.

5.1. Fuel Check

▲ CAUTION This generator uses gasoline fuel, which is extremely flammable and explosive under certain circumstances. In order to use this generator in a safer way, please check the fuel before each use according to the following steps.

1. Open the fuel tank cap and take out the fuel tank filter;
2. check the fuel tank fuel, this model is recommended to use 87-octane gasoline or above with a rated volume of 12L (3.17 gal), check whether the fuel type is correct, whether the fuel residual in the tank meets the requirements of the use of fuel. Fuel level does not exceed the rated fuel level (red mark position);
3. Observe whether there is oil leakage in the fuel tank, check whether there is fuel at the bottom of the generator and the surrounding ground to avoid fuel leakage;
4. Do not use gasoline in hot, smoky or burning places.

5.2. Oil Inspection and Replacement

(1) Oil Inspection

▲ CAUTION The moving parts of this generator are lubricated with oil. In order to use this generator more safely and to prevent damage to the generator's moving parts due to lack of lubrication, please

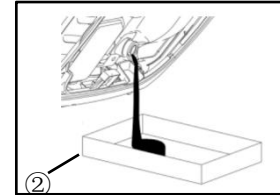
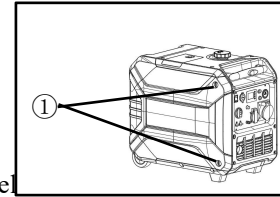
check the oil before each use.

Take out the dipstick according to the procedure of "4.1.Preparation - Oil" and observe the oil residue on the dipstick, which should be between (L-H), if it is more than H, the oil is too much and you need to pour out the excess oil, and if it is less than L, the oil is too little and you need to add oil.

(2) Oil Replacement

In order to achieve better operation and longer service life of the generator, please change the oil once in the first month or after 20 hours of operation, and every 6 months or 100 hours thereafter. The oil replacement procedure is as follows:

1. After the generator has cooled down completely, place the generator on a level surface;
2. Turn the 3-in-1 switch to "OFF" and the vent knob to "OFF";
3. Release the knob and remove the left side cover;
4. Remove the dipstick④;
5. Place the oil pan under the generator ②, tilt the generator and pour out the oil quickly;

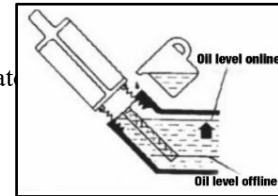


6. Return the generator to a level place and refill with rated volume of oil (0.6L) using a funnel;
7. Wipe the dipstick clean and then tighten the dipstick;
8. Wipe off spilled oil, install the left side cover and tighten the screws.

Note: 1. Do not drain the oil immediately after turning off the generator

▲ WARNING

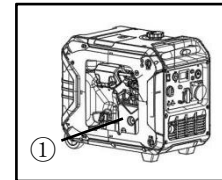
2. Do not allow impurities to enter the generator case;
3. Used oil should be stored in special containers and handed over to a professional processing center for recycling.



5.3. Air filter Cartridge Inspection

The air filter cartridge is the part that filters the air inhaled by the generator, in order to make the generator get better operation and longer service life, please clean it once every 6 months or 100 hours, when used in humid or dusty places, the filter element is more likely to be polluted, and needs to be cleaned or replaced more frequently. The cleaning procedure is as follows:

1. Loosen the knob and remove the left side cover;
2. Remove the air filter cover ① and the foam cartridge ②



3. After the cartridge has absorbed the solvent, remove it and squeeze it, repeating the process several times.
4. Squeeze and dry the cartridge after cleaning it;
5. Install the filter cartridge back into the air filter, install the air filter cover, and the left side cover.

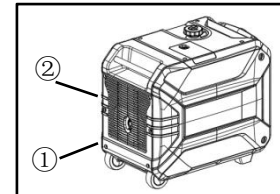
Note: 1. Special solvents or gasoline are required to clean the cartridge;

▲ CAUTION

2. Be careful not to twist the foam cartridge too hard to avoid damage;
3. Confirm that the filter cartridge is tightly fitted to the air filter, leaving no gaps for air leakage;
4. Do not start the generator without an air filter;
5. Broken or poorly cleaned cartridges need to be replaced with new ones.

5.4. Muffler Mesh Inspection

The spark arrester is the part of the generator that eliminates

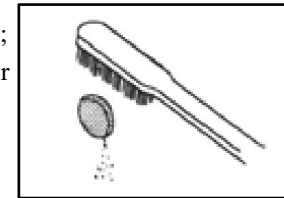
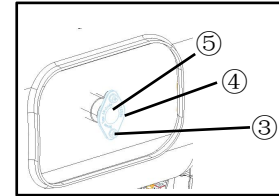


sparks and absorbs exhaust particles at the rear of the generator. In order to achieve better operation and longer service life of the generator, please clean or replace it every 6 months or 100 hours. The cleaning procedure is as follows:

1. Remove the screws ① and the muffler rear cover ②;
2. Loosen the bolt ③, remove the muffler gasket④ and spark arrester⑤;
3. Use a wire brush to clean the carbon deposits on the muffler mesh;
4. Check the spark arrester and replace it immediately if it is damaged;
5. Reinstall the spark arrester and the muffler gasket;
6. Reinstall the muffler protector and torque the screws.

Note: 1. Do not inspect the generator immediately after turning it off;

- ▲ WARNING**
2. Clean the spark arrester gently with a wire brush to avoid damage;
 3. The tailgate heat insulation sleeve needs to fit outside the deflector opening;
 4. If the spark arrester is broken or not clean enough, it needs to be replaced with a new one.



5.5. Spark Plug Inspection

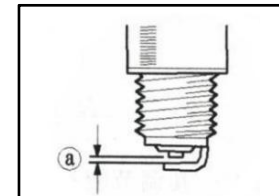
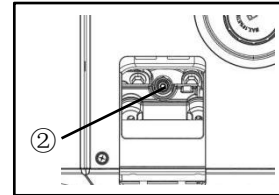
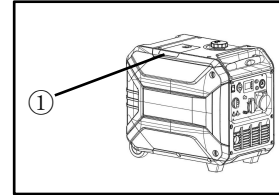
The spark plug is the ignition component of the generator. For better operation and longer service life of the generator, please clean it every 6 months or 100 hours. The cleaning procedure is as follows:

1. Remove the spark plug maintenance cover ① and spark plug cap ②;
2. Put the T-handle wrench over the spark plug and insert the extension bar into the wrench;
3. Remove the spark plug (A7TC/A7RTC) by turning it counterclockwise;
4. Check whether the spark plug center electrode is faded and remove carbon deposits;
5. Make sure the spark plug gap(a) is 0.023~0.031 in (0.6~0.8mm);
6. Reinstall the spark plug, spark plug locking torque: 20.0N*m;
7. Reinstall the spark plug cap and spark plug maintenance cover.

Note: 1. Do not inspect the generator immediately after turning it off;



2. Spark plug gap should be measured with a plug gauge and adjusted when necessary;



3. If there is no torque wrench available, use a socket to tighten the spark plug with maximum force;
4. If the insulator is cracked, it must be scrapped and replaced with a spark plug of the required specification.

5.6. Fuel Tank Filter Inspection

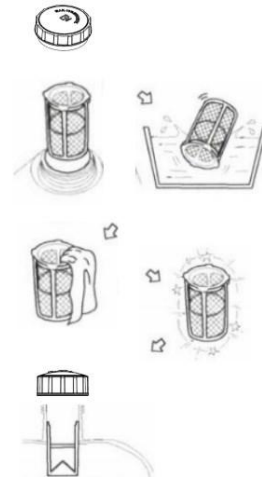
Fuel tank filter can filter the impurities in the gasoline added and prevent the impurities from falling into the fuel tank, the fuel tank filter must be installed when adding gasoline, and should be cleaned or replaced every 6 months or 100 hours. The cleaning procedure is as follows:

1. Remove the fuel tank cap and fuel tank filter;
2. Clean the fuel tank filter with gasoline;
3. Dry the filter and put it back in the tank;
4. Put the fuel tank cap back on.

Note: 1. Do not operate in hot, smoky or flaming places;

▲ CAUTION 2. Be sure to tighten the fuel tank cap.

5.7. Fuel Filter Inspection



The fuel filter prevents clogging of the fuel system. For better operation and long service life of the generator, please clean it every 12 months or 300 hours. The cleaning procedure is as follows:

1. Turn the 3-in-1 switch to "ON";
2. Loosen the screws and remove the left side cover;
3. Take out the drain pipe and hold it in place, loosen the drain screw and empty the fuel into a container.
4. Insert the oil drain pipe back and tighten the oil drain screw;
5. Use pliers to grip the clamp, then move it downwards to release it from the slot;
6. Pull down the fuel tube and remove the fuel filter to clean it;
7. Dry the fuel filter, install it back into the fuel tank, and install the fuel line and clamps;
8. Add fuel into the fuel tank, check the fuel pipe for leakage and breakage;
9. Turn off the 3-in-1 switch and put back the left side cover.

Note: 1. Do not operate in hot, smoky or flaming places;

▲ CAUTION

2. Note that the upper edge of the clamp should be lower than the end surface of the fuel pipe;
3. If the fuel filter is broken or cannot be cleaned, replace it.

5.8. Fuel Pipe/Exhaust Pipe Inspection

The fuel pipe/exhaust pipe is a rubber product, which is an important part of the generator and will become brittle with use. In order to prevent accidents caused by the deterioration of the fuel pipe/exhaust pipe, which may result in property damage, please check it every 12 months or 300 hours. The steps for checking the oil/exhaust pipe are as follows:

1. Loosen the screws and remove the left side cover;
2. Turn the 3-in-1 switch to "ON";
3. Observe whether there is fuel leakage or damage in the fuel pipe;
4. Check the exhaust pipe for breakage;
5. Put back the left side cover and torque the screws;
6. Turn the 3-in-1 switch to "OFF".

Note: 1. Do not operate in hot, smoky or flaming places;

- ▲ CAUTION** 2. Replace the damaged fuel/exhaust pipe promptly;
3. Drain the fuel before replacing the fuel pipe.

6. Storage & Transportation

6.1. Storage Preparation

▲ WARNING If you are going to store the generator for a long period of time, there are some protective measures that need to be completed in order to prevent deterioration, corrosion or accidents. Turn off the generator first, and after the generator has cooled down completely, follow the steps of the following protective measures:

1. Open the fuel tank cap, take out the fuel filter, pumping fuel from the tank into special containers, install back the fuel filter and fuel tank cap;
2. Turn the 3-in-1 switch to "ON";
3. Remove the left side cover and disconnect the battery output wire from the starter wire terminal;
4. Take out the drain pipe, loosen the carburetor drain screw, and put the fuel in the tank into a special container;
5. After draining the fuel from the tank, tighten the carburetor drain screw, and insert the carburetor drain pipe back into the fixed hole on the engine base plate;
6. Turn the 3-in-1 switch to "OFF";
7. If the oil has been used for a long time, it should be replaced with new oil, and then install back the left side cover;

8. Remove the spark plug and pour about a tablespoon of new oil into the engine;
9. Put back the spark plug and slowly pull the starter handler for a few minutes to lubricate the case with oil;
10. Pull the starter handle slowly until you feel significant resistance, at which point the intake and exhaust valves are closed to help prevent internal rust;
11. Wipe the surface of the generator clean with a strip of clean cotton fiber cloth and cover it with a bag and store it in a dry, cool and well-ventilated location.

6.2 Transportation Measures

▲ WARNING If the generator is to be transferred, there are a number of protective measures that need to be completed to prevent accidents. Stop the generator first, and after the generator has cooled down completely, follow the steps of the following protective measures:

1. Do not let fuel overflow from the tank; refueling should not exceed the red mark indicating the rated volume.
2. To avoid oil leakage when the generator is moved or transported, turn the 3-in-1 switch to "OFF";
3. The generator should be placed upright and equipped with limiting stoppers on both sides to prevent the generator from shaking or tipping over during transportation;

4. Do not expose the generator to direct sunlight for a long time;
 5. Do not leave the generator in a sealed compartment for an extended period of time, as the high temperature inside the compartment may cause gasoline vaporization, or even lead to an explosion.
 6. When the generator is placed on the vehicle, do not run the generator, it should be removed from the vehicle and operated in a well-ventilated place;
 7. Under certain circumstances, gasoline is flammable and explosive. Smoke and fire are strictly prohibited near gasoline and high temperatures are to be avoided;
 8. The vehicle loaded with the generator should not be subjected to prolonged bumps on uneven roads.
- Note: If the generator is to be transferred over a long distance, or if the transportation conditions cannot meet the above requirements, please pump out the oil and fuel before transferring.

7. Troubleshooting

Fault phenomenon	Faulty system	Way of distinguishing between	Fault cause	Solution
Generator cannot start or stall	Fuel system	Turn the 3-in-1 switch to "ON", pull the starter handle to start, generator ignition does not start or stops soon after starting.	No fuel in the tank.	Add enough fuel.
			Fuel filter clogged.	Clean the fuel filter.
	Oil system	Turn the 3-in-1 switch to "ON", pull the starter handle to start, low oil indicator flashes for a few seconds, generator ignites but does not start.	Low oil level.	Add a ration of qualified oil and avoid engine roll-over.
	Electrical system	Press the push button starter using the correct procedure, motor running sounds, generator does not start properly.	Low battery voltage.	Pull the starter handle to start, the generator will automatically charge the battery when it is running
		Turn the 3-in-1 switch to "ON", pull the starter handle to start, generator dose not ignite.	Spark plugs have carbon deposits or are wet.	Clean and dry the spark plug, let it sit for a while and then put it back in to start.
			No spark plug ignition.	Contact your dealer for spark plug replacement.
When the generator is warmed up, turn the 3-in-1 switch to "ON", and there is no ignition when pull to start.	When pull the starter handle to start, the generator is warmed up, but the 3-in-1 switch has been turned to "CHOKE".	Wait a few minutes and start it the right way.		
No voltage output for generator operation	Electrical system	The run indicator (green light) is off, the malfunction indicator (red light) is always on, and the engine has not stopped running.	Generator connected load overload, overload protection activated.	Make sure the load does not exceed the rated power, then press the AC reset button.

▲ CAUTION Note: If the generator still cannot be restored to normal after the above maintenance, please seek after-sales support.

8. Technical Parameters

Motor	Engine model	170Fi
	Engine type	Single-cylinder/4-stroke/forced air cooling/OHV
	Displacement	223ml
	Spark plug model	F7TC/F7RTC
	Start methods	Recoil/push button starter
	Engine speed	3200-4800r/min
	Oil model/rated volume	SAE 10W-30/0.6L
	Fuel Type/rated volume	87-octane gasoline or above/12L
	Runtime (full load)	4H
Alternator	Generator model	MK8500iN
	Generator type	Silent inverter generator
	Rated frequency	50Hz/60Hz
	Rated voltage	110V/220V/230V/240V
	Rated current	22.7A/21.7A/20.8A
	Rating	5KW
	Maximum power	5.5KW
	Power factor	1
	THD	≤3%
DC output	12V/8.3A	
USB output	Upper: 5V/1A lower: 5V/2A	

Entire machine	Dimension(L*W*H)	610×407×555mm
	Net weight	41.5KG
	Noise (7m)	73db (A)
	Operating conditions	-5°C-40°C/Altitude≤1000M

Note: Due to different generator panel configurations, technical parameters may vary, please refer to the actual product.

