

**JDP12000、120003  
Gasoline Generator**

**Instruction Manual**



MGENER-010  
MGENER-011

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- It is prohibited from reproducing, transferring, distributing and memorizing any content in the manual without obtaining a written approval from our our in advance.
- Our abides by the continuous development strategy; therefore, Our reserves the right of modification of product and revision of the manual without any notice.
- Take this manual as a part of the Generator set. If the set is resold, it is required to transfer the manual with the set.
- This manual contains information how to correctly operate the generator set, read it carefully before using the set. Correct and safe operation will provide you with a great benefit.
- Our addresses itself to innovate and develop its products both in design and quality, therefore, the content in this manual may have slight difference to the real object, although it is the newest revised manual while it is pressed.
- Please contact with your retailer if you have any questions or doubts.

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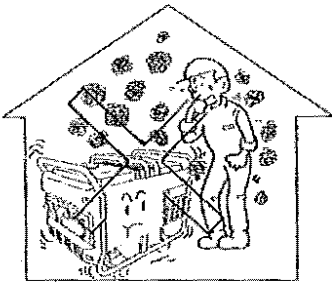
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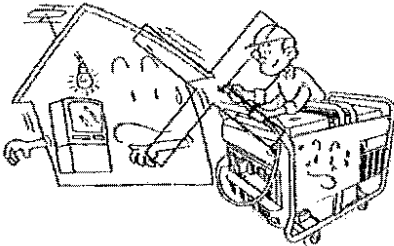
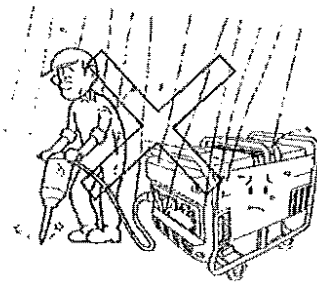
## 1. Safety notice

Before operating the generator, it is required to read the manual carefully and understand it. It is helpful to prevent you from accidental injury that you must be familiar with the safety procedures of the generator set.

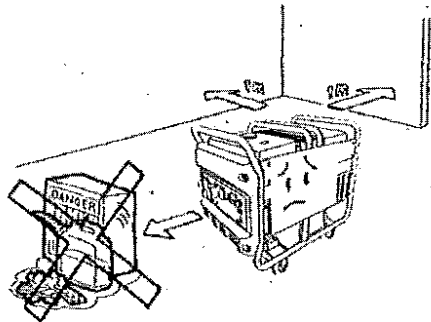
**Never use it indoor**



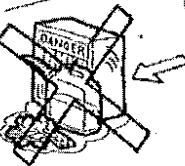
**Never use it in damp environment**



**Never connect it direct to power supply**



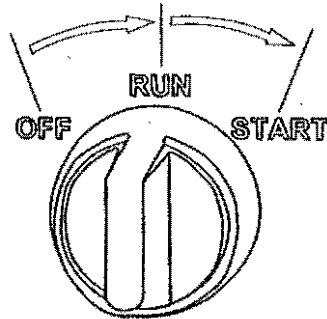
**Keep it away from inflammable thing**



## 2. Operation system

### 1) Engine switch

"RUN" indicates the engine in "Run" position, "OFF" indicates the engine in "OFF" position, "START" indicates the engine in "starting" position.

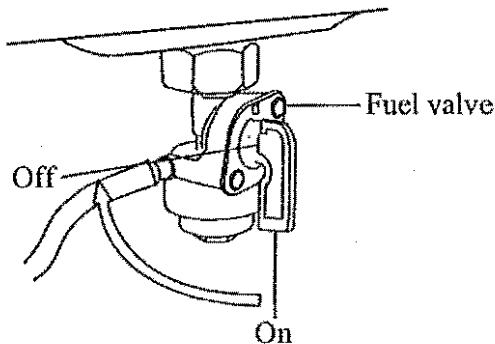


**Note**

The battery is working for the carburetor valve at "RUN" channel. So please make sure the switch is at the "OFF" channel when the unit is turn off.

### 2) Fuel valve

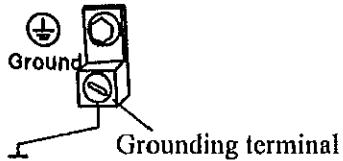
The fuel valve is used to control the fuel flow from the tank to the carburetor. After stopping the engine, the fuel valve should turn to "Off" position.



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### 5) Grounding terminal

The grounding terminal is a special terminal which is used to connect the generator to the ground properly.

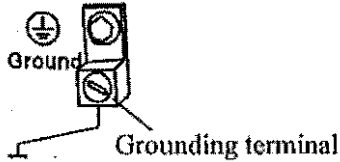


### 6) Engine protecting system

The engine protecting system is designed to protect engine from damage because of lack of oil in the crank case. When the engine oil in crank case is lower than the safe level line, the engine protecting system will work to stop the engine automatically (even the engine switch is still in "run" position). Thus, the engine may not be worn out because of lack of oil.

## 2) Generator grounding

To prevent the electric shock from the poor-quality appliances or from incorrect use of appliances, it is necessary to connect the generator to the ground with an insulated wire.



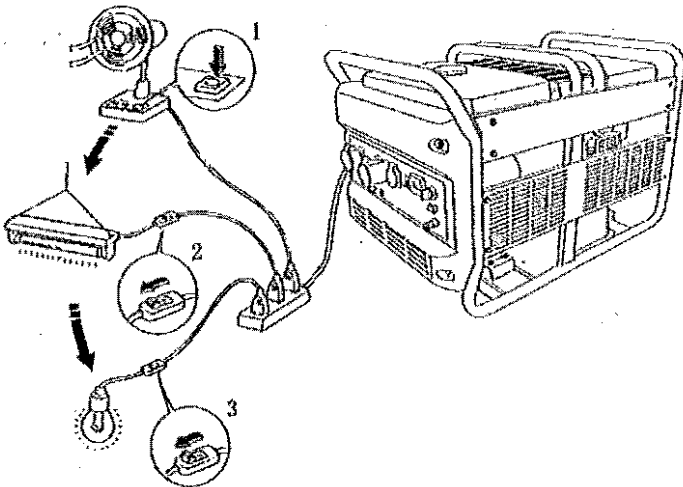
## 3) Alternating current

Before starting the generator, it must confirm:

The total power of the appliances does not exceed the rated power of the generator.

**Note** Overloaded use will shorten the service life of the generator set.

Keep firmly in mind that if the generator set connects with several loads or appliances, it is recommended to turn on the appliance with the maximum current first, then turn on that one with the secondary current, at last, the one with the minimum current.



In general, the capacitive load or inductive load will need great starting current, when it

## 4. Check before operation

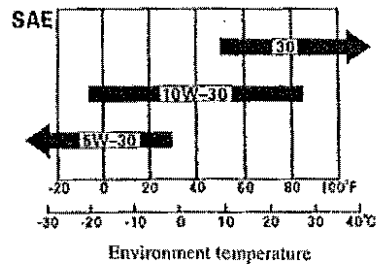
### 1) Engine oil

**Note** At each time of using the generator, check the oil level in the condition of placing the generator at a level ground, and the engine staying in stop. The engine oil is an important factor for the output power and service life of the engine. If the contaminated oil or 2-stroke oil is used, it will harm the engine.

Recommended engine oil:

Engine oil for 4-stroke engine:

API classification: SE、SF or equivalent to SC  
SAE 10W-30.

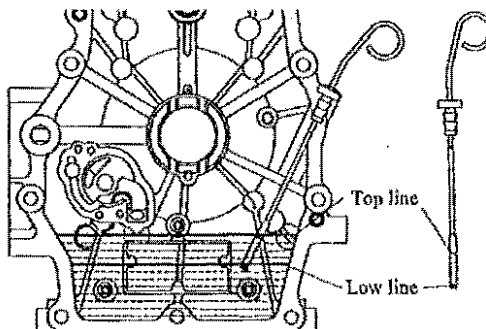


Checking method of engine oil level:

Pull out the oil ruler and clean it. Plug in the ruler thoroughly and take it out again to check the oil level.

If the oil level is lower than the low limit, remove the filler cap (the cap on the head facing to the ruler) and fill the recommended oil till it goes up to the top limit.

After filling oil, keep firmly in mind to reinstall the ruler and tighten the cap.





 **Warning**

If operate improperly, the battery may explode, thus, injury may occur to the persons around, therefore, keep the smoke and flame and inflammable things away from the battery. The battery will release explosion gas, keep the fire away from it. When charge the battery or use the battery, keep ventilating.

## 5. Start engine

### Powered start

- 1) Remove all loads on the terminals.
- 2) Open the fuel valve.
- 3) Turn off the AC circuit breaker.
- 4) Pull the choke button to "close" position.

**Note** When the engine is in warming condition, do not close the choke.

- 5) Turn the start switch to "start" position.
- 6) After starting the engine, release the "start" switch immediately, the switch will return back to "run" position.
- 7) After warming up the engine, push the choke button to "open" position.

**Note**

- Do not let the switch stay in "start" position over 5 seconds, or the starter may be damaged. If the engine can not be started at first time, start the engine again at an interval of over 10 seconds.
- If the starter speed degrades after using it a period of time, it means charging the battery is necessary.

## 6. Stopping engine

- 1) Turn off the AC circuit breaker.
- 2) Turn off the engine switch.
- 3) Close the fuel valve.

**Note** If an emergency stop is necessary, turn off the engine switch directly.

## 7. Maintenance schedule

Good maintenance and service gives an assurance that the generator runs in safety and economy and without any failures, in the meanwhile it is in favor of environment protection.

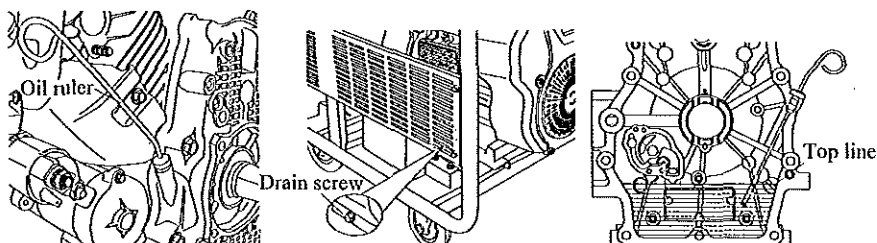
- 1) Place a container under the engine for containing used oil. Then, remove the oil ruler and loosen the draining screw and washer,.
- 2) After drainage of used oil, reinstall the draining screw and washer and tighten them. In view of environmental protection, please take a proper way to dispose the waste oil. It is recommended to send the waste oil to the local service station or recycle center. Never throw waste oil barrel to refuse tip, dump the waste oil on ground or in ditches.
- 3) Place the engine in level position, refill recommended oil to the top line.

The filling capacity of the engine:

Not replace the fine oil filter: 1.3L

Replace the fine oil filter: 1.5L

- 4) Reinstall the oil ruler and tighten filler cap.



**Caution**

If the skin touches the engine oil frequently in long term, it may result in skin cancer. Although it is not inevitable, we recommend to clean your hands with soap water thoroughly.

## 2) Maintain air cleaner

If the air cleaner is dirty, it affects air inlet, the power of engine reduced. If the running place is dusty, maintenance must be done more frequently than that shown in maintenance schedule.



**Warning**

It is prohibited to clean the air cleaner element with gasoline or inflammable solvent otherwise fire or explosion may occur, instead, clean it with soap water or nonflammable solvent.



**Note**

It is prohibited to run the engine in the case of no element or it results in rapid wear of the engine.

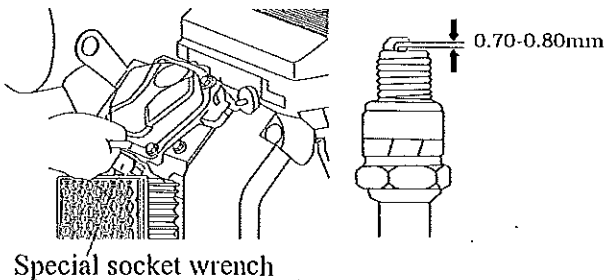
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#### 4) Spark plug

It is recommended to use spark plug, F7TC or equivalent one.

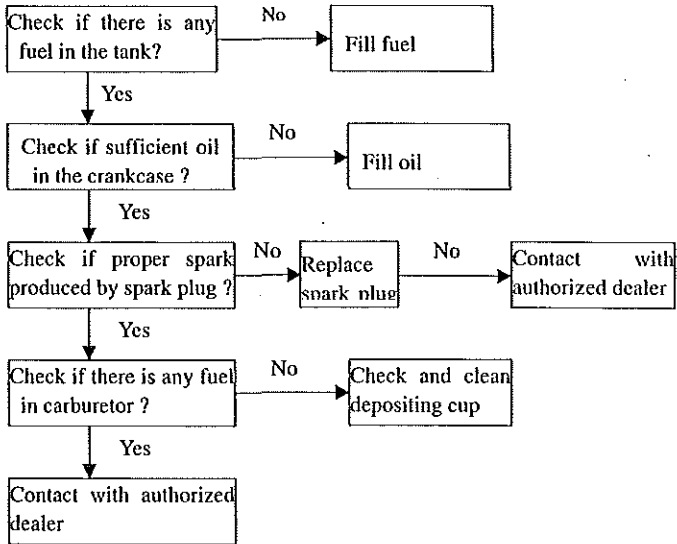
- 1) Remove the spark plug cap
- 2) Clean dust around the spark plug.
- 3) Unscrew the spark plug with a special socket wrench.
- 4) Check spark plug. If the electrode has damaged, or isolator has broken, replace the spark plug. The clearance of the spark plug electrode should be 0.70-0.80mm. Adjust the side electrode, if necessary.
- 5) Screw the spark plug with hand carefully to avoid damaging the thread on the head.
- 6) When the spark plug is in position, tighten the spark plug with the special socket wrench and depress the washer.  
If install the used spark plug, after depressing the washer, retighten it 1/8-1/4 turn.
- 7) Reinstall the spark plug cap.

**Note** Please use the spark plug with a proper heat rating.

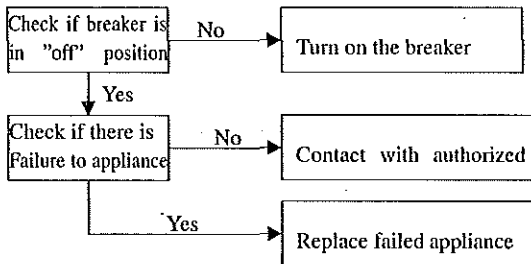


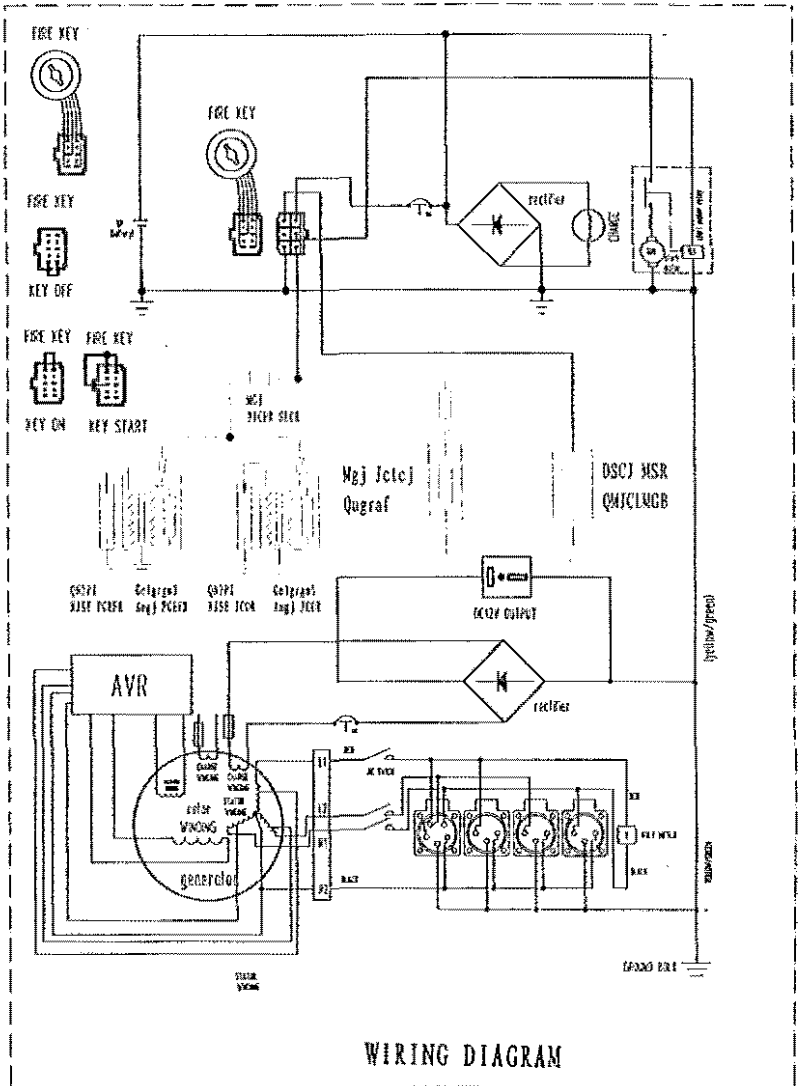
## 9. Troubleshoot

Engine does not start:



No voltage:





WIRING DIAGRAM

## 12.Parameters

### GASOLINE GENERATOR

GEN-SET MODEL		JDP12000//12003
Generator	Type	Revolving Magnetic Field, Self-exciting, 2-pole.
	Voltage Regulation	AVR
	Phase	Single phase/Three phase
	Frequency(Hz)	50/60
	Rated output(kw)	10
	Surge Output(kw)	12
	Rated AC Voltage(V)	220 / 380/220
	Power Factor	1
Engine	Model	2V78F-1
	Type	Two-cylinder, four-stroke, Horizontal inclined with Air-cooled
	Displacement(cc)	640
	Output(HP)	20
	Fuel	Unleaded Gasoline
	Fuel Tank Capacity(L )	46
	Oil	SF or Higher Grade
	Ignition System	Non-contact transistorized Ignition(T.C.I)
Standard	Starting System	Electric starting with battery
	Fuel Gauge	WITH
	Voltmeter	WITH
	AC Circuit Breaker	WITH
	Low Oil Level Alert	WITH
	AC Socket	WITH
	Engine Switch	WITH
Package	DC Output 12V/8.3A	WITH
	Dimension(mm)	950x730x830
	G.W(kg/lbs)	170/377
	N.W(kg/lbs)	178/395