

# GASOLINE GENERATORS OPERATION MANUAL



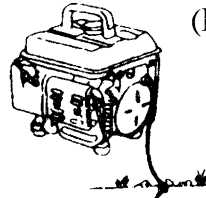
# PREFACE

The Series single-phase synchronous and brushless gasoline generator set is single-phase AC output. The rated voltage is 220/230/240 or 115 volts. The rated frequency is 50 or 60 Hz. The rated AC output is 550W/900W. The maximum AC output is 950W/1500W. The advantages of these generator sets are compact structure, light weight, stable and reliable operation state, small undulation of voltage, little consumption, low noise, large power output, easy operation and convenient maintenance. These generator sets can be applied in family, commerce, fishery, rural areas, grassland pasture, field working and family as spare power in emergency or moving power supply.

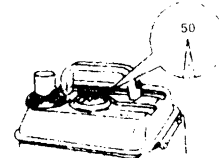
## (I) SAFETY INFORMATION

1. To prevent being poisoned, never operate the machine indoors or anywhere with air blocked.
2. To prevent being poisoned and fire disease, when operating, never point to building or appliance with exhaust-pipe.
3. To prevent fire, stop engine when refueling.
4. To prevent fire, clean the overflowing fuel.
5. To prevent fire, be careful with the kind of fuel and limitation.
6. To prevent fire, never use the machine in flammable conditions.
7. To prevent an electric shock, never operate the machine in rain or snow.
8. To prevent an electric shock, never touch with wet hands.
9. To prevent an electric shock and fire, never connect the machine with the circuit of living.

## (II) SAFETY INFORMATION



(Picture 1)



(Picture 2)



(Picture 3)

0.02L	
0.04L	
0.06L	
0.08L	

(Picture 4)

1. To prevent getting an electric shock, when operating the machine, link with earth.

2. Use oil-mixed gasoline, if not, engine will be overheated. Gasoline and oil mixing ratio 50:1 or 40:1 summer (picture 2)

3. Fuel tank capacity 4.0L.

4. Do not fill above fuel filter top. (Picture 3)

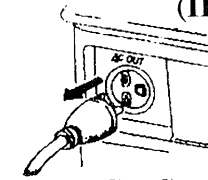
5. How to make mixed gasoline.

5.1 Use fuel tank cap to measure oil as (Picture 4)

5.2. Put gasoline and oil into one container with mixing ratio 50:1 or 40:1 (summer).

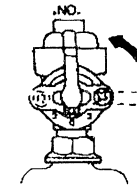
5.3 After shaking, put them into fuel tank.

## (III) STARTING THE ENGINE



(Picture 5)

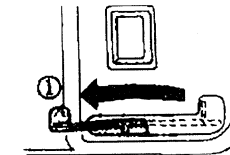
Before starting, do not connect electric apparatus. (Picture 5)



(Picture 6)

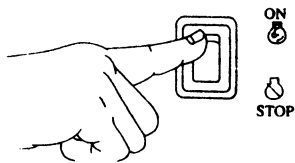
1. Shake fuel tank before starting engine

2. Turn fuel cock lever to "ON" (Picture 6)



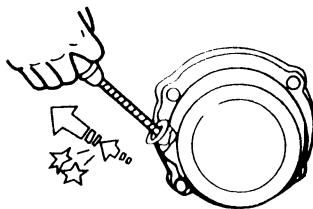
(Picture 7)

3. Turn choke lever to ① (Picture 7)



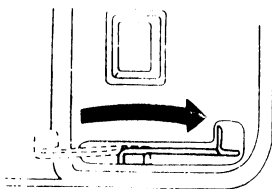
(Picture 8)

4. Turn engine switch to "ON".  
(Picture 8)



(Picture 9)

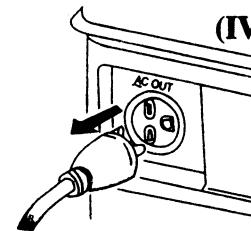
5. Pull slowly on recoil starter until engaged, then pull it briskly  
(Picture 9)



(Picture 10)

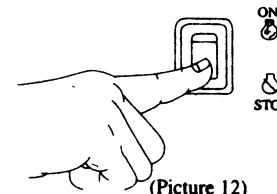
6. Return check lever.  
(Picture 10)

#### (IV) STOPPING THE ENGINE



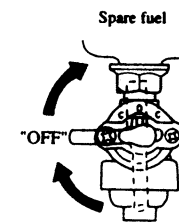
(Picture 11)

1. Before stopping, turn off electric apparatus.  
(Picture 11)



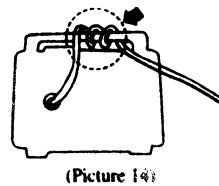
(Picture 12)

2. Turn engine switch to "STOP".  
(Picture 12)



(Picture 13)

3. Turn fuel cock lever to "OFF".  
(Picture 13)

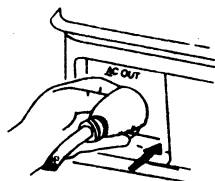


(Picture 14)

### (V) CONNECTION

1. Wind lead 2 or 3 turns around handle.

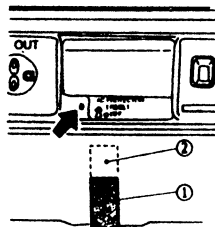
(Picture 14)



(Picture 15)

2. Start engine.

3. Plug into AC socket. (Picture 15)

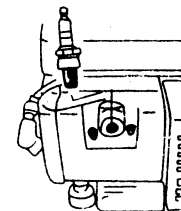


(Picture 16)

### 4. SAFETY DEVICES

Press the button to reset protector, to reduce output load if AC protector turns off. (Picture 16)

- ① ON
- ② OFF

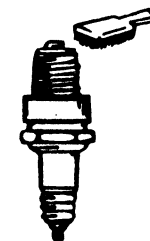


(Picture 17)

### (VI) PERIODIC MAINTENANCE

1. Spark plug(per 50h or per one month)

1.1. Remove spark plug. (Picture 17)

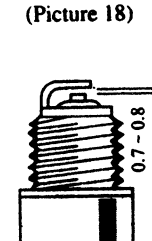


(Picture 18)

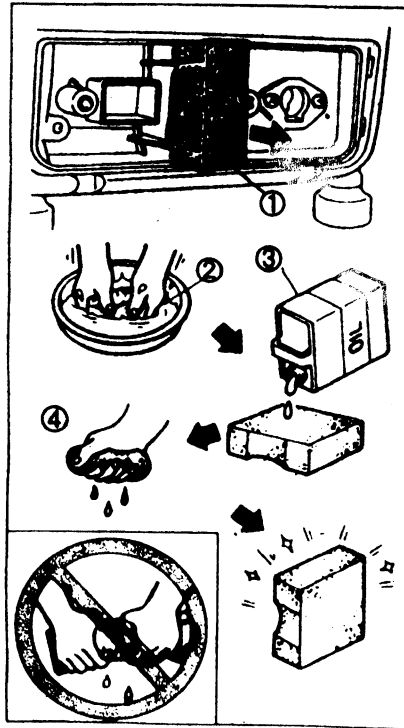
1.2. Remove carbon deposits. (Picture 18)

1.3. Check for discoloration. Standard: Tan color.

1.4. Check spark plug gap. Standard: 0.7~0.8mm. (Picture 19)



(Picture 19)



(Picture 20)

**2. AIR FILTER**  
(TIME: per 100h  
or per one month)

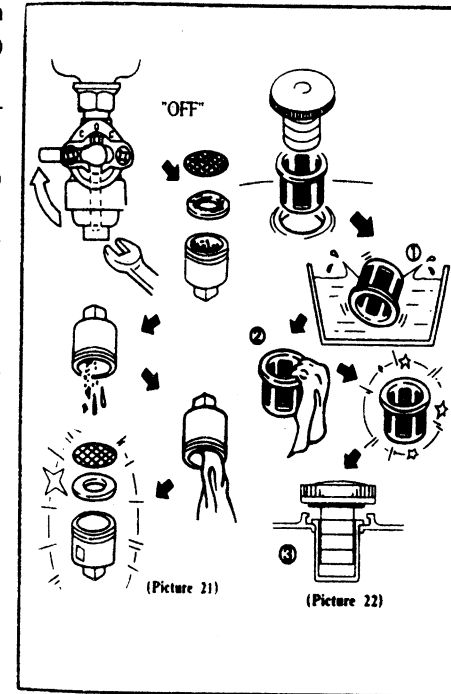
2.1. Remove air filter.  
(Picture 20 )

2.2. Wash clearly  
in solvent.  
(Picture 20 )

2.3. Get Motor  
oil.  
(Picture 20 )

2.4. Squeeze Mo-  
tor oil out.  
(Picture 20 )

Warning: Never  
run engine with-  
out air filter.



**3. FUEL COCK  
AND FUEL TANK  
FILTER**(TIME:  
per 150h or per  
three month).

3.1. Clean fuel  
cock.

3.1.1. Stop engine.

3.1.2. Turn fuel  
cock lever to  
"OFF".

3.1.3. Clean with  
solvent.  
(Picture 21)

3.2 Clean fuel tank  
filter

3.2.1. Clean in  
solvent.

3.2.2. Wipe off.




3.2.3. Insert into  
fuel tank.  
(Picture 22)

## (VII) TROUBLE SHOOTING

Engine won't start

1. Check fuel
2. Check engine switch
3. Check spark plug
4. If engines still won't start, check following
  - 4.1. if fuel cock is clogging
  - 4.2. if air filter is clogging
  - 4.3. Or consult dealer or manufacture.

## (VIII) APPLICABILITY

Electric apparatus	Rated load	Maximum load	Power factor cosφ
	750W	850W	1
	550W	650W	0.7-0.8
	500W	600W	0.7-0.95

## (IX) STORAGE

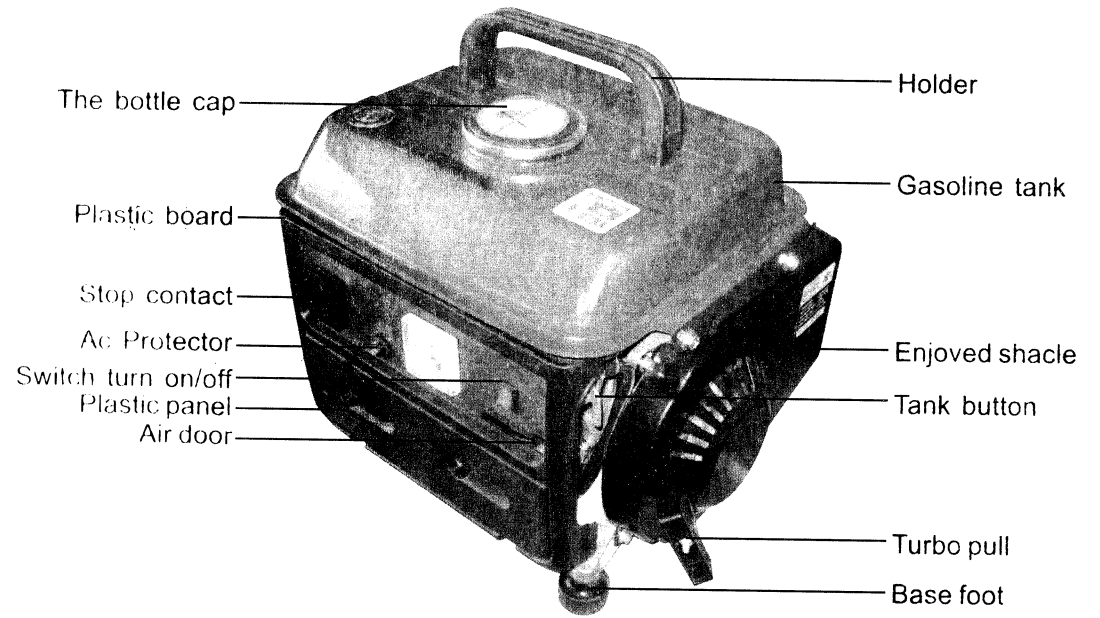
When the generator set is not being operated or being stored more than one month, follow these instructions:

1. Drain all the fuel out of the tank, fuel cock, and carburetor.
2. **Shake** the tank till all the excess being drain off.
3. Pour about one tablespoon of motor oil through the spark plug hole, then pull the starter several times and install the plug (with ignition off), until you feel that piston is on its compression, stop pulling.
4. Store the generator set in a dry, well-ventilated place, with the cover place over it.

## (X) ACCESSORIES

1. User's manual
2. Plug sleeve
3. Handle

# SINGLE-PHASE SYNCHRONOUS AND BRUSHLESS GASOLINE GENERATOR



Parameter		Code name				
		950	1000	1200	1300	1500
Generator	Rating frequency (Hz)	50 / 60 / 60				
	Rating voltage (V)	220 / 220 / 110				
	Rating power (Kva)	0.65	0.75	0.80	0.90	1
	The Max.power (Kva)	0.75	0.85	0.90	1	1.1
	Power Factor	1				
Engine	Type	1E45F				
	Category	Single crock. Two stroke top-installed gasoline motor				
	Exclusion of cylinder (cm <sup>3</sup> )	63				
	The Max.output (Kva/rpm)	1.5 / 3600				
	Start system	Manual				
	Capacity of fuel tank (L)	4.0				
	Consumption of fuel (L/h)	0.55	0.55	0.57		
	Consecutive working	8	8	7		
	Noise (at 7m) (d B)	58	60	62		
Dimension	Length (mm)	380				
	Width (mm)	330				
	Neight(mm)	340				
	Het weight (Kg)	20	21	22	23	24
Standard Equipment	Large-Capacity Fuel Tank	yes				
	Large-Capacity Muffler	yes				