



### **CONTACT WARRIOR TECH DEPARTMENT**

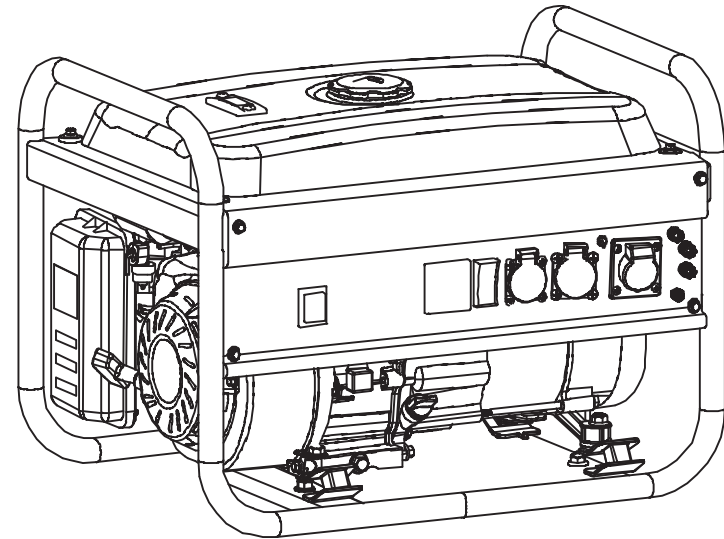
For any technical or faults please contact warrior direct on the following number or write:

**Warrior Power Products Ltd,**  
16 Winchester Road,  
Haydock Ind Est, St Helens,  
Merseyside, WA11 9XQ, UK

**Tel: 0044 (0)1942 528272**  
**Email: [sales@warriorpowerproducts.co.uk](mailto:sales@warriorpowerproducts.co.uk)**

### **YOUR LOCAL DEALER**

## **WPP-3500CX GASOLINE GENERATOR OWNERS MANUAL**



**BEFORE OPERATING THIS EQUIPMENT  
PLEASE READ THESE INSTRUCTIONS CAREFULLY**

## WARNING

1. Read the operator's instruction manual.
2. Attention! Exhaust gases are toxic. Do not operate the generator in a room without ventilation system!
3. Children should be protected by keeping them at a safe distance from the generator set!
4. Refilling of the generating sets is not allowed during the operation!
5. If the generator will be mounted in a closed room, relevant safety regulations against fire and explosion should be followed!
6. Do not connect to household circuit!
7. Do not use in wet condition!
8. Keep away from flammable!
9. This electrical equipment including lines and plug connections should not be defective!
10. When refuelling:
  - Stop Engine
  - Do Not Smoke
  - Do Not Spill



TAKE APPROPRIATE MEASURES TO PROTECT YOUR HEARING.

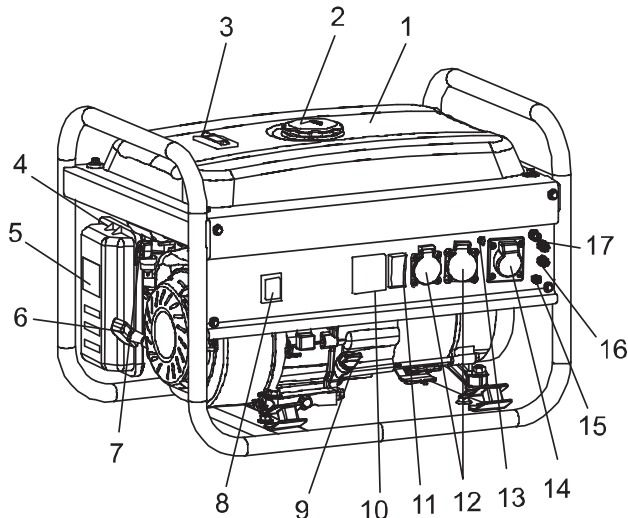


BWARE OF HOT PARTS.

ATTENTION: 0.6L ENGINE OIL AND A MINIMUM OF 2LTR OF PETROL SHOULD BE ADDED BEFORE USE.

## 1. NAMES OF PARTS

1. Fuel tank
2. Fuel tank cap
3. Fuel gauge
4. Choke handle
5. Air cleaner
6. Starting handle
7. Fuel valve
8. Engine switch
9. Oil filler cap
10. Voltage meter
11. AC circuit breaker
12. 230V AC socket
13. voltage switch
14. 110V AC socket
15. Ground connection terminal
16. 12V DC terminal
17. DC circuit breaker



ENTE CERTIFICAZIONE MACCHINE  
NOTIFIED BODY 1282

# CERTIFICATE OF CONFORMITY

**CERTIFICATE NR. 100705/FKP547**

MANUFACTURER :	
NAME	
ADDRESS	

WE CERTIFY THAT THE FOLLOWING PRODUCT (S) :

PRODUCT	<b>GASOLINE GENERATOR SET</b>
MODEL	KG950 (DC) KG1500CX KG (Y) 1800CX (E) KG (Y) 2500CX (E) KG (Y) 3500 CX (E) KG (Y) 3800 CX (E) (-3) KG (Y) 4500 CX (E) (-3) KG (Y) 5000 CX (E) (-3) KG (Y) 6500 CX (E) (-3) KG (Y) 7500 CX (E) (-3) KG (Y) 12000 CX (E) (-3) KGW (Y) 6500 CX (E) KGW (Y) 7500 CX (E)
YEAR	2010

HAS BEEN TYPE TESTED, CHECKED AND CERTIFIED BY ENTE CERTIFICAZIONE MACCHINE (NOTIFIED BODY NR. 1282) AND ALSO THAT THE SAMPLE PRODUCT IS IN CONFORMITY WITH THE TECHNICAL PROVISIONS OF THE FOLLOWING EUROPEAN REQUIREMENTS, INCLUDING THE LATEST AMENDMENTS, AND SAFETY STANDARDS :

2006/42/EC	<b>MACHINERY DIRECTIVE</b>
2004/108/EC	<b>COMPATIBILITY DIRECTIVE</b>
2006/95/EC	<b>LOW VOLTAGE DIRECTIVE</b>
<b>SAFETY STANDARDS EN NORMS :</b> EN 12100-1/2:2003, EN ISO 14121-1: 2007, EN12601:2001, EN 60034-1-2004, EN 60204-1: 2006, EN 55012:2001+A1:2005	

NEVERTHELESS THE MANUFACTURER IS NOT EXEMPTED TO PERFORM ALL THE NECESSARY ACTIVITIES BEFORE ISSUING THE DECLARATION OF CONFORMITY. IN CASE THE APPLIANCE IS MODIFIED OR THE APPLIANCE WILL BE EQUIPPED WITH ACCESSORIES NOT SPECIFIED IN THE MANUFACTURER OPERATOR MANUAL, IT IS RECOMMENDED TO GET IN TOUCH WITH ENTE CERTIFICAZIONE MACCHINE FOR CE VALIDITY EXTENSION.

DATE OF ISSUE JULY 2010

AREA MANAGER  
LUCA BEBONNI



GENERAL MANAGER  
ANDREOTTI BEBONNI

ENTE CERTIFICAZIONE MACCHINE  
NOTIFIED EUROPEAN BODY NR. 1282

HEADQUARTER  
VIA MINCIO,386 - 41056 SAVIGNANO S/P. (MO) - ITALY - ☎ +39 59 766306 ☎ +39 59 761838 ✉ INFO@ENTECERMA.IT WWW.ENTECERMA.IT



# ENTE CERTIFICAZIONE MACCHINE

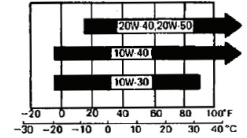
<b>1. Manufacturer</b>		<b>2. EC Conformity Certificate No.</b>	
Company name		<b>EC Conformity Certificate No RU072010261</b>  (Directive 2000/14/EC All. VI Directive 2005/88/EC)	
Address			
City and country			
<b>3. Certificate Holder</b>		<b>4. Issuing Directive Applicable</b>	
Company name		<b>Ente Certificazione Macchine</b> Notified Body no. 1282 Via Mincio 386 Loc. Formica 41056 Savignano sul Panaro (MO) tel. +39 059 763736 - 059 766306 fax +39 059 761838	
Address			
City and country			
<b>5. Laboratory Report</b>			
Laboratory Name Ente Certificazione Macchine		<b>6. Directive applicable and Norms applicable</b>	
No	2010/261	Date	28 <sup>th</sup> June 2010
Measured sound power level	96 dB(A)	a)	EN ISO 3744
		b)	ISO 8528-10
<b>7. Description of equipment</b>			
Type of machine	Power generator	Category n°	45 Annex I
Trade name		Type	KG ( Y ) 3500CX ( E )
Type of motor(s)	Gasoline engine	Manufacturer	
Type of energy	Gasoline	Power (kW) / revs	2,5 / 3000
Other required technical characteristics			
<b>8. The following documents bearing the number shown in box 2 are annexed to this certificate</b>			
<b>9. Certificate Valid</b>		<b>10. Signature</b>	
Place	Savignano sul Panaro (MO)	ECM - Ente Certificazione Macchine S.r.l.   (The Legal Representative)	
Date	02 / 07 / 2010		
Stamp			
Validity	1 year from the date of em...		

## 2. CHECKS BEFORE OPERATING

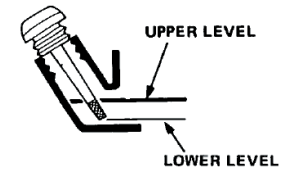
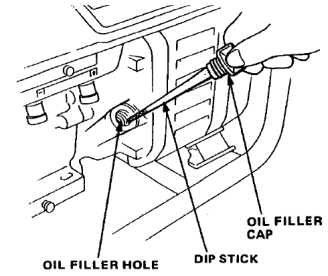
### (1) CHECK THE ENGINE OIL LEVEL

Notice: Stop the generator in a smooth place, then check the generator. Engine oil is a major factor affecting engine performance and life.

Use the 4-stroke oil, SAE10W-40 is recommended for general, all-temperature use. Other viscosities shown in the chart may be used when the average temperature in your area is within the indicated range.



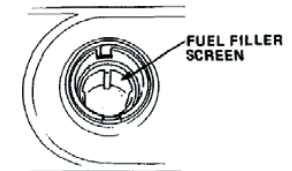
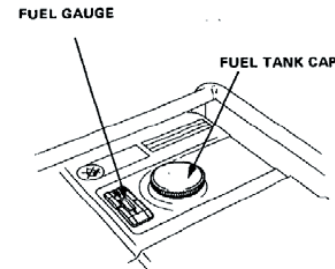
1. Uncover the oil mouth then clean the engine oil ruler with clean cloth.
2. Plug the engine oil ruler into the oil mouth and don't turn it. If the oil level is below the lower limit of the engine oil ruler you should add some engine oil.
3. Add the engine oil to the upper limit of ruler.
4. Fix the engine oil plug ruler properly.



### (2) CHECK THE FUEL LEVEL

Check the fuel gauge, and refill the tank if the fuel level is low. Use the 93# unleaded gasoline or higher

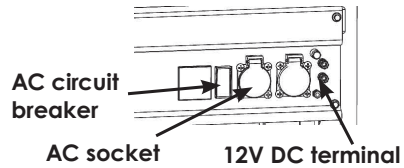
1. Uncover the fuel tank cap.
2. Check the fuel level, if the fuel level is low you should add more.
3. Add the fuel to the shoulder part of fuel filter.
4. Fix the fuel tank cap.



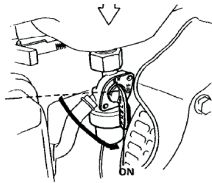


### 3. STARTING THE ENGINE

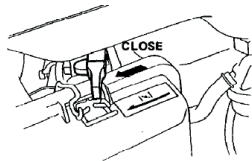
1. Disconnect any load from the AC socket and the DC output terminal, and turn off the AC circuit breaker.



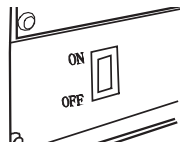
2. Turn the fuel valve to "ON" position.



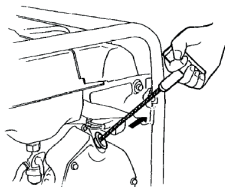
3. Turn the wind-block colour rod to "CHOKE" position.



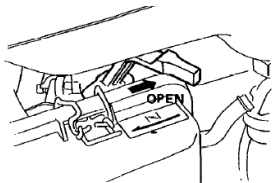
4. Turn the engine switch to "ON" position.



5. Pull the starting handle slightly until you feel some resistance (compression point), then pull hard using your strength.



6. When the temperature of engine increase, pull back the wind-block door rod. See the arrow in the diagram. (Choke Close)



GASOLINE GENERATOR SET	
TYPE	WPP-3500CX
AC VOLTAGE	110/230V - 50 HZ
AC OUTPUT (CONT)	2500 WATTS      POWER FACTOR: 1.0
MAX AC OUTPUT	2800 WATTS
SPEED	3000 R/MIN
PERFORMANCE CLASS	G1
DC OUTPUT	12V / 8.3A
DRY WEIGHT	39 KG
MAX TEMPERATURE	40°C      IP23
NOISE LEVEL (dB) @ 7m	89 Lwa

#### THE NOISE DECLARATION SHALL BE ACCOMPANIED BY THE FOLLOWING STATEMENT:

The figures quoted are emission levels and are not necessarily safe working levels. Whilst there is a correlation between the emission and exposure level, this cannot be used reliably to determine whether or not further precautions are required. Factors that influence the actual of exposure of work-force include the characteristics of the work room, the other sources of the noise, etc. i.e. The number of machine and other adjacent processes, and the length of time for which an operator is exposed to the noise. Also the permissible exposure level can vary from country. This information, however, will enable the user of the machine to make a better evaluation of the hazard and risk.



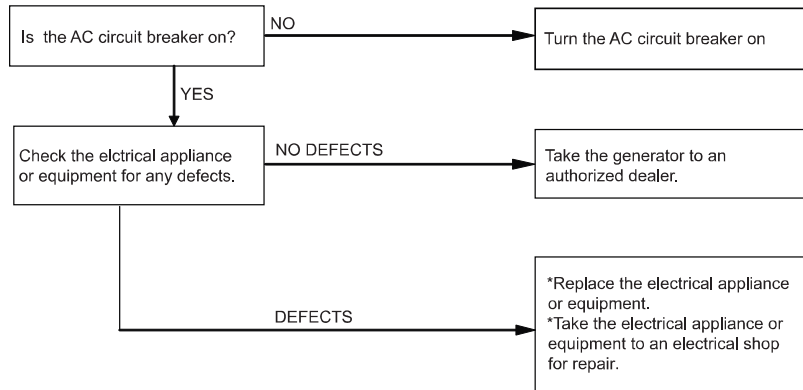
#### MEANING OF CROSSED -OUT WHEELED DUSTBIN:

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact you local government for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being. When replacing old appliances with new ones, the retailer is legally obligated to take back your old appliance for disposals at least free of charge.

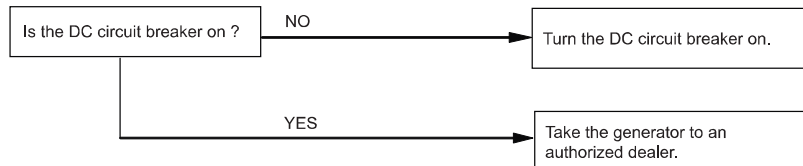
This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.

### NO ELECTRICITY AT THE RECEPTACLES:



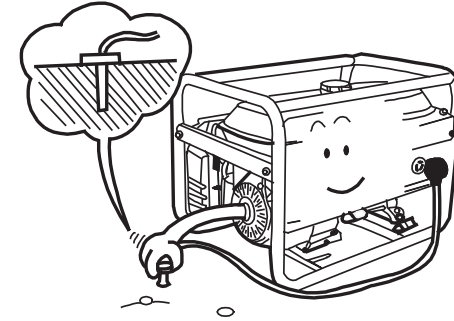
### NO ELECTRICITY AT THE DC TERMINALS:



## 4. OPERATING METHODS OF GENERATOR

In order to keep your generator in good condition, Please follow the rules:

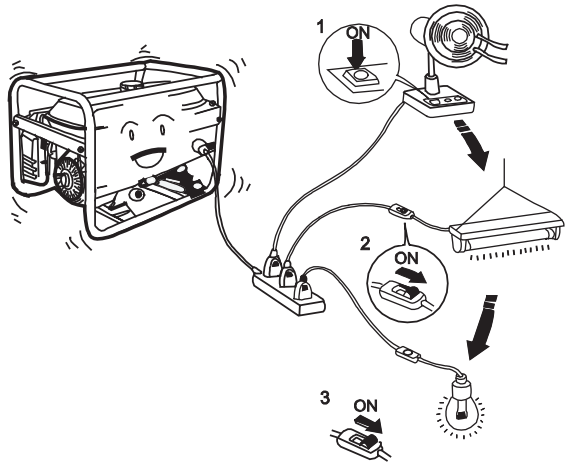
1. Avoid improper operation, make sure to make your generator ground connection.



2. Electrical equipment, motor-driven devices will produce lots of electric current when they start. The following form will give you a reference when you connect them to generator.

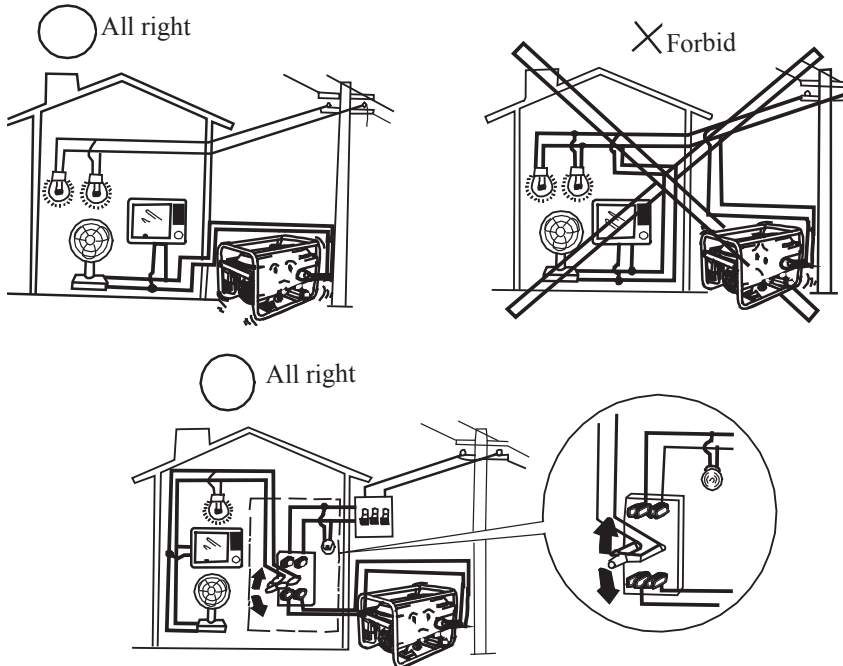
Mode	amount of watt		setting	example		
	starting	rated		setting	starting	rated
<ul style="list-style-type: none"> <li>● Bulb</li> <li>● Heating setting</li> </ul>	X1	X1	bulb TV	bulb 100W	100VA (W)	100VA (W)
<ul style="list-style-type: none"> <li>● fluorescent lamp</li> </ul>	X1	X1.5	fluorescent lamp	40W fluorescent lamp	40VA (W)	60VA (W)
<ul style="list-style-type: none"> <li>● Motor driven setting</li> </ul>	X3~5	X2	refrigerator fan	refrigerator 1500W	4500~7500VA (W)	3000VA (W)

3. When you connect more than two loads on the generator, please connect from high electric current to low electric current successively. When using extension lines or mobile distribution networks the total length of lines for a cross section of 1.5mm<sup>2</sup> should not exceed 60m; for a cross section of 2.5mm<sup>2</sup> this should not exceed 100m.



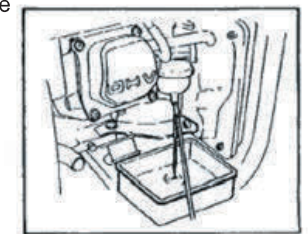
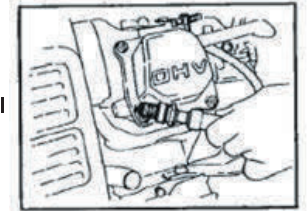
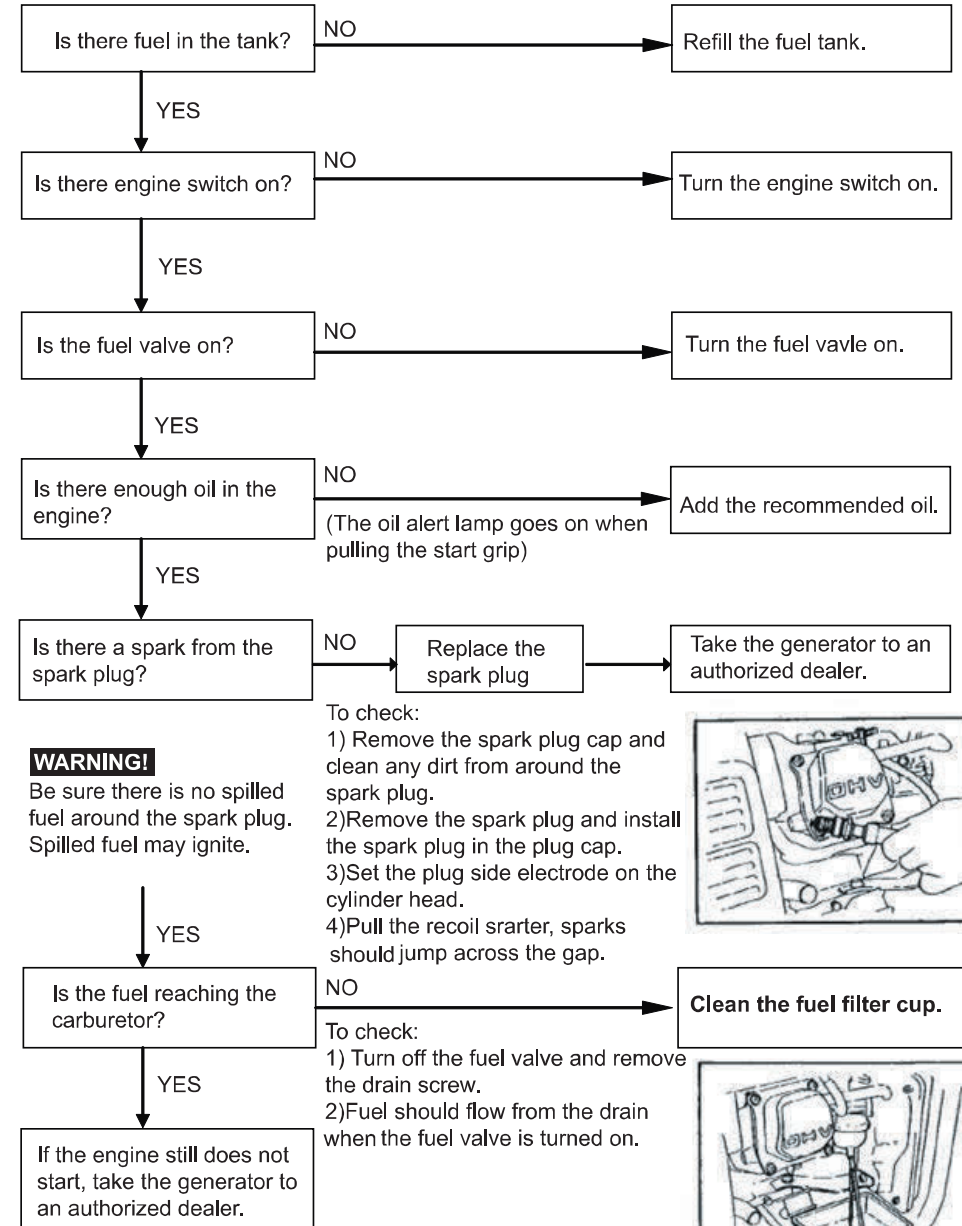
**Notice:**

When you want to connect the generator to the family power, you should ask electricians to fix it. After connecting the load to the generator, check if the connection is right, otherwise it will cause damages of fires.



## 8. TROUBLE SHOOTING

### WHEN THE ENGINE WILL NOT START:



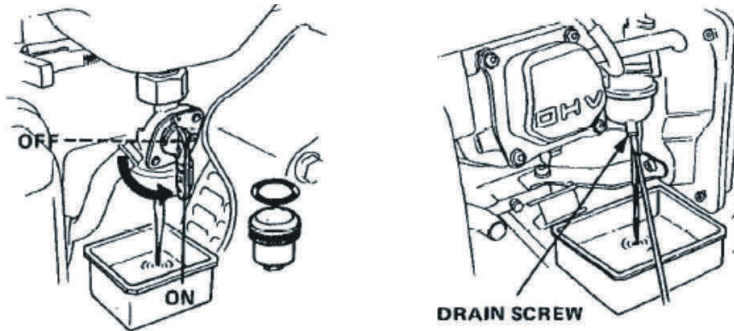
## 7. TRANSPORTING/STORAGE

### WARNING!

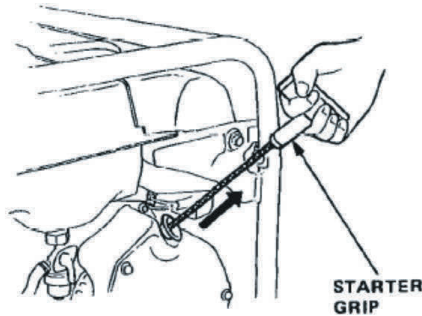
When transporting the generator, turn the engine switch OFF and keep the generator level to prevent fuel spillage. Fuel vapour or spilled fuel may ignite.

Before storing the unit for an extended period:

1. Be sure the storage area is free of excessive humidity and dust.
2. Drain the fuel:
  - A: With the fuel valve OFF, remove and empty the filter cup.
  - B: Turn the fuel valve ON and drain the gasoline in the fuel tank into a suitable container.
  - C: Replace the filter cup and tighten securely.
  - D: Loosen the carburettor drain screw and drain the gasoline from the carburettor into a suitable container.

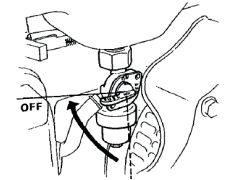
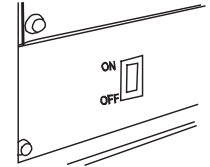


3. Slowly pull the starter grip until resistance is felt. At this point, the piston is coming up on its compression stroke and both the intake and exhaust valves are closed. Storing the engine in this position will help to protect it from internal corrosion.



## 5. STOPPING THE ENGINE

1. Turn the AC circuit breaker to the OFF position.
2. Turn the engine switch to the OFF position.
3. Turn the fuel valve to the OFF position.



Notice: If you want to stop engine in an emergency, please turn the engine switch to "OFF" position.

## 6. MAINTENANCE

Notice: The maintenance of the large assembly will need a professional.

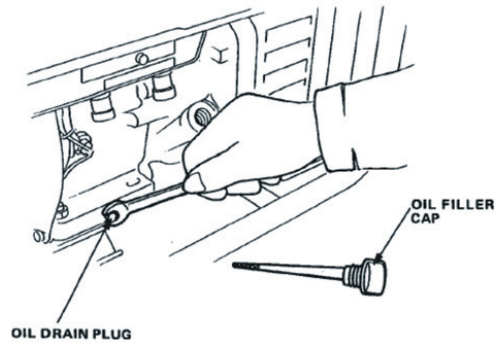
ITEM	REGULAR SERVICE PERIOD Perform at every indicated month or operating hour interval, whichever occurs first	Daily	First month or 20 Hrs.	Every 3 months or 50 Hrs.	Every 6 months or 100 Hrs.	Every year or 300 Hrs.
		Engine oil	Inspection	•		
	Change		•		•	
Air cleaner element	Inspection	•				
	Cleaning			•(1)		
Fuel filter cleaning					•	
Spark plug maintenance					•	
Valve clearance adjustment						•(2)
Combustion chamber and valve cleaning						•(2)
Fuel line inspection(Replace if necessary)						•
Spark arrester		Clean every 100 operating hours.				

## CHANGING OIL

Drain the oil while the engine is still warm to assure rapid and complete draining.

1. Remove the drain plug and filler cap, and drain the oil. Retighten the plug securely.
2. Refill with the recommended oil (see page 10) and check the level.

### OIL CAPACITY: 0.6L



**CAUTION:** Used motor oil may cause skin cancer if repeatedly left in contact with the skin for prolonged periods. Although this is unlikely unless you handle used oil on a daily basis, it is still advisable to thoroughly wash your hands with soap and water as soon as possible after handling used oil.

**NOTE:** Please dispose of used motor oil in a manner that is compatible with the environment. We suggest you take it in a sealed container to your local service station for reclamation. Do not throw it in the trash or pour it on the ground.

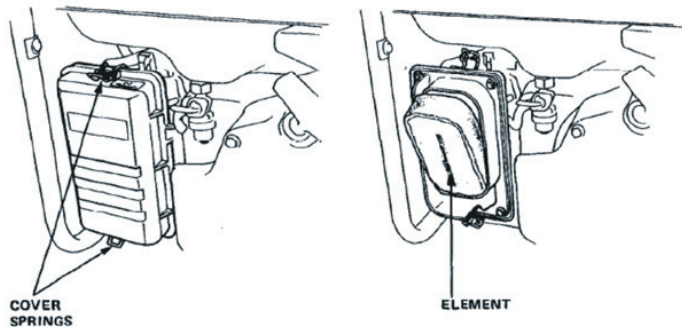
## AIR CLEANER SERVICE

A dirty air cleaner will restrict air flow to the carburettor. To prevent carburettor malfunction, service the air cleaner regularly (page 16). Service more frequently when operating the generator in extremely dusty areas.

**WARNING!** Never use gasoline or low flash point solvents for cleaning the air cleaner element. A fire or explosion could result.

**CAUTION:** Never run the generator without the air cleaner. Rapid engine wear will result.

1. Unsnap the air cleaner cover spring, remove the air cleaner cover and remove the element.
2. Wash the element in a non-flammable or high flash point solvent and dry it thoroughly.
3. Soak the element in clean engine oil and squeeze out the excess oil.
4. Reinstall the air cleaner element and the cover.



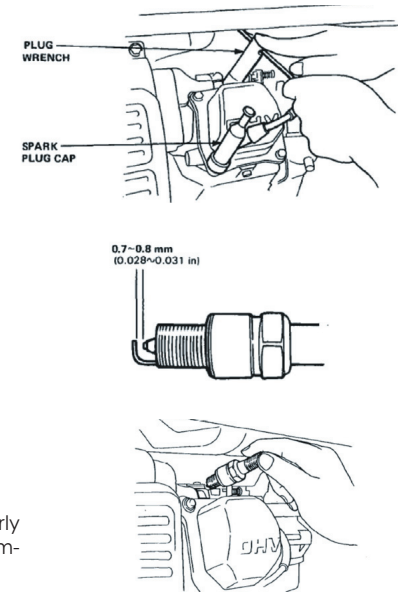
## SPARK PLUG SERVICE

Recommended spark plug: BP6ES, SPR6ES (NGK) F6TC, F6RTC (LD). To ensure proper engine operation, the spark plug must be properly gapped and free of deposits.

1. Remove the spark plug cap.
2. Clean any dirt from around the spark plug base.
3. Use the wrench supplied in the tool kit to remove the spark plug.
4. Visually inspect the spark plug. Discard it if the insulator is cracked or chipped. Clean the spark plug with a wire brush if it is to be reused.
5. Measure the plug gap with a feeler gauge. The gap should be 0.7~0.8mm (0.028~0.031 in). Correct as necessary by carefully bending the side electrode.
6. Attach the plug washer and thread the plug in by hand to prevent cross threading.
7. After a new spark plug has been seated by hand, it should be tightened 1/2 turn with a wrench to compress its washer. If a used plug is being reinstalled, it should only require 1/8 to 1/4 turn after being seated.

### CAUTION:

- The spark plug must be securely tightened. An improperly tightened plug can become very hot and possibly damage the generator.
- Never use a spark plug with an improper heat range.



## FUEL FILTER SERVICE

The filter prevents dirt or water which may be in fuel tank from entering the carburettor. If the engine has not been run for a long time, the filter should be cleaned.

1. Turn the fuel valve OFF. Remove the filter cup.
2. Clean the cup thoroughly.
3. Reassemble. Do not damage the rubber gasket.

**WARNING!** After installing the filter cup, check for leaks and make sure the area is dry before starting the engine.

