

VALKENPOWER

Manual

Gasoline generator EC2800N EC2800NE



IMPORTANT NOTICES

Please pay special attention to statements preceded by the following words:



WARNING:

A warning is used to alert the user to fact that hazardous operating and maintenance procedures may result in injury to or death of personnel if not strictly observed.

CAUTION:

A caution is used to alert the user to fact that hazardous operation and maintenance procedures may result in injury to or death of personnel if not strictly observed.

NOTE:

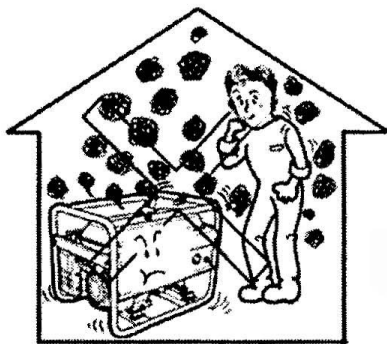
Give helpful information.

This manual should be considered as a permanent part of the unit and should remain with the unit when resold.

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☒ . GENERATOR SAFETY



1. Never operate it in an enclosed room.

Fig.1.1

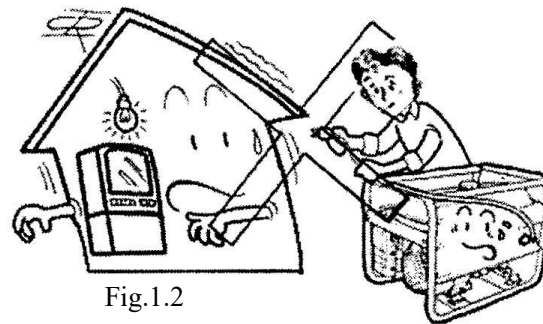


Fig.1.2

2. Never connect to home circuit.

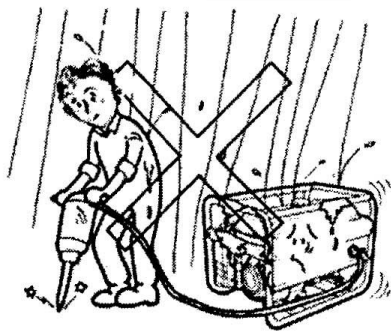


Fig.1.3

3. Do not operate it under wet circumstances.

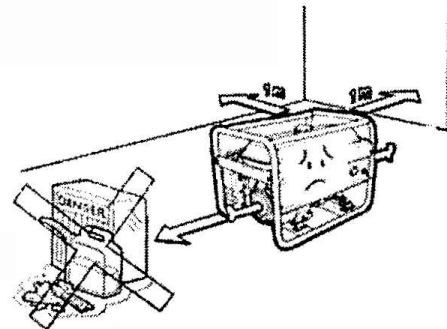


Fig.1.4

4. Place inflammables away from the unit at least one meter.



5. No smoking when filling fuel.

Fig.1.5



Fig.1.7

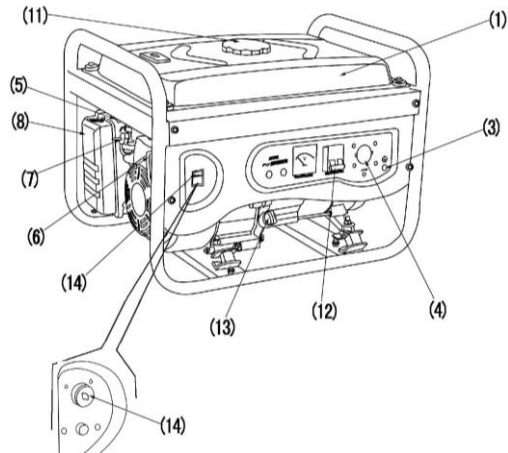
7. Do not spill out when filling fuel.



Fig.1.6

6. Always fill fuel after stopping it.

☒ . NITRODUCTION TO PARTS AND COMPONENTS



- 11. Fuel filler cap
- 12. AC breaker
- 13. Dipstick
- 14. Ignition switch

- 1. Fuel tank
- 2. Muffler
- 3. Earth terminal
- 4. AC plug socket
- 5. Carburetor choke lever
- 6. Starter handle
- 7. Fuel cock
- 8. Air cleaner
- 9. Pipe frame
- 10. Spark plug

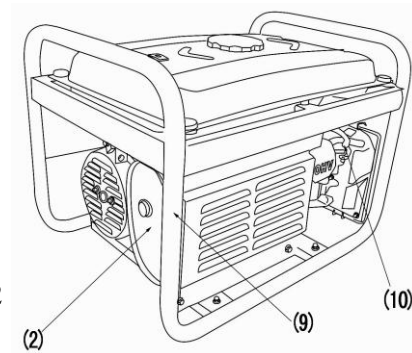


Fig.2.2

☒ . PRE-OPERATING INSPECTION

1. ENGINE-OIL LEVEL

NOTE: always check the generator in the case of stopping the generator on a level ground.

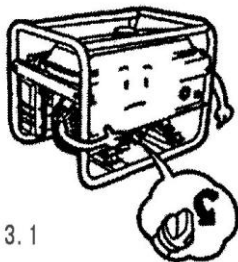


Fig. 3.1

1. Turn out the oil filler cap and clean the dipstick with a clear clothe.

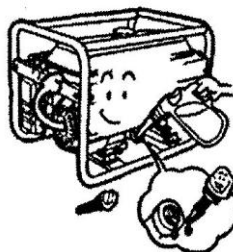


Fig. 3.3

3. In the case that the oil lever is below the lower level mark of the dipstick, fill oil to the upper level mark of the dipstick.

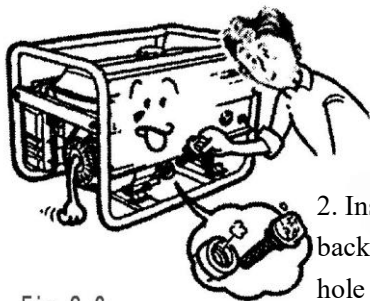


Fig. 3.2

2. Insert the dipstick back into the oil filler hole without turning it in.

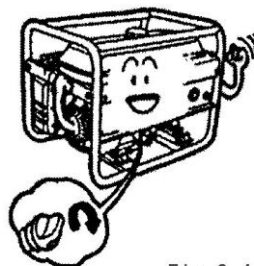


Fig. 3.4

4. Reinstall the oil filler cap well.

2. FUEL LEVER

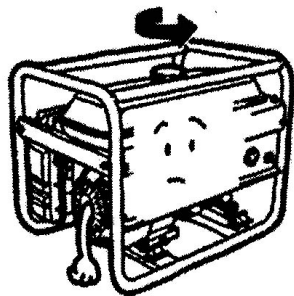


Fig. 3. 5

5. Open the fuel filler cap.

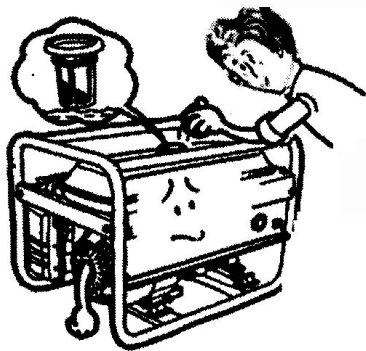


Fig. 3. 7

7. Fill fuel to the shoulder of the filter.

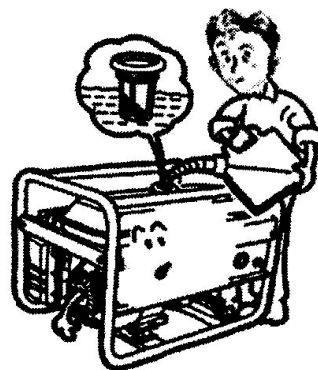


Fig. 3. 6

6. Check the fuel level, and fill fuel if necessary.

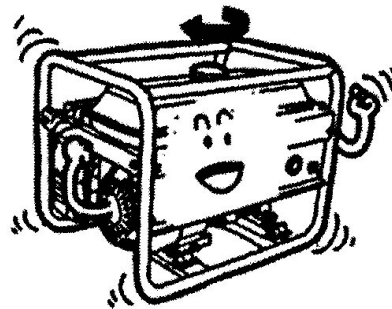


Fig. 3. 8

8. Reinstall the fuel filler cap well.

3. BATTERY (only for 2GF-4 2.5GF-4 2.8GF-7)

Check and make sure that the electrolyte level of each battery cell is between is upper and lower level marks (Fig.20).

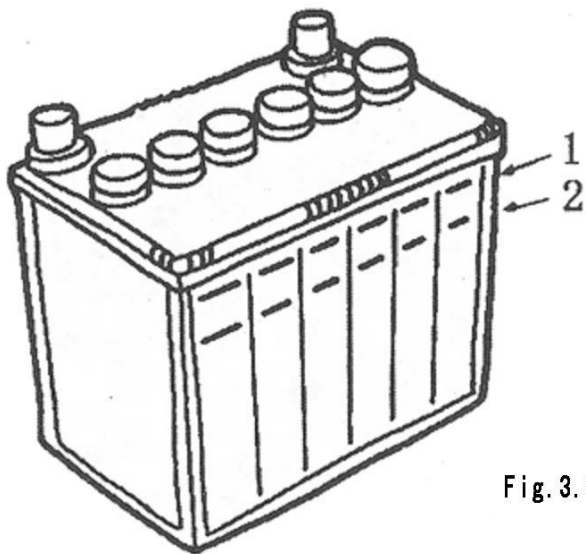


Fig. 3.9

1. upper level mark

2. lower level mark

4. AIR CLEANER

1. Remove the clip and dismantle the air housing or turn off the wing nuts and air cleaner cover.

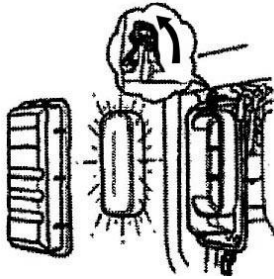


Fig.4.10

2. Dismantle the filter element.
3. Put the filter element into original position, install the cover and secure it well

. STARTING THE GENERATOR

1. Remove all loads form AC socket and switch off the AC breaker. Remove all loads from AC socket.

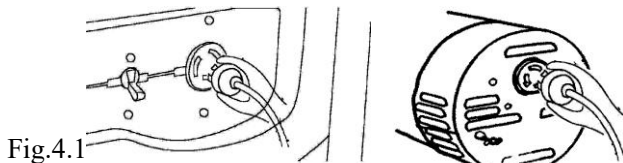


Fig.4.1

2. Set the fuel cock to " ON" .



Fig.4.2

3. Push the choke lever to " OFF" .

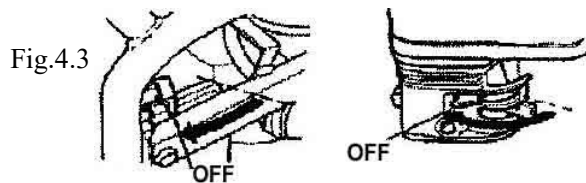
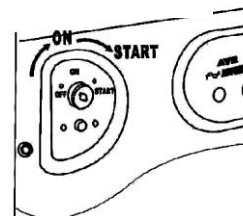
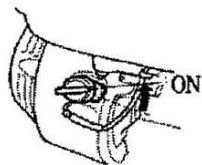
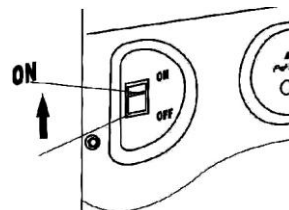


Fig.4.3

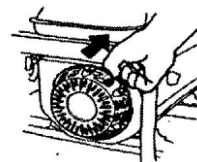
4. Turn the generator ignition switch to " ON" .

Fig.4.4



5. Pull the start handle gentling until feeling an anti-action, and then pull it up strongly.

Fig.4.5



6. Once the generator starts, set the choke lever to " ON" .

Fig.4.6



NOTE: Don't close the choke when starting the engine in hot condition.

☒ . SERVICE

Always do as the following so as to keep the generator in a sound condition.

⚠ WARNING

1. Always connect the generator to the earth to prevent misusing.

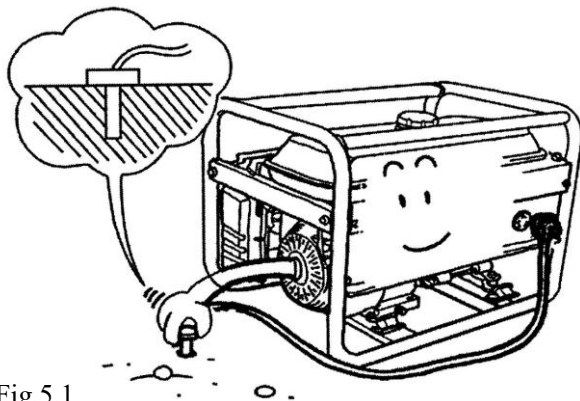


Fig.5.1

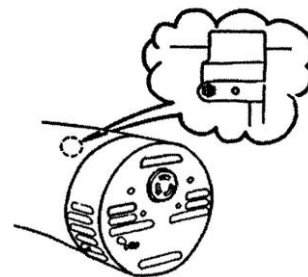










Fig.5.2

2. The following table gives reference information for connection the electric appliances to generator.

Description	Wattage		Typified	Example		
	Start	Rating		Electric device	Start	Rating
Incandescent lamp Heating device		×1	Incandescent lamp  TV 	Incandescent lamp 100W 	100VA (W)	100VA (W)
Fluorescent lamp	×2	×1.5	Fluorescent lamp 	Fluorescent lamp  40W	80VA (W)	60VA (W)
Motor drive device	×3~5	×2	Refrigerator  Electric fan 	Refrigerator  150W	450~750VA (W)	300VA (W)

3. If the generator is to supply two or above loads with power supply, be sure to connect them one by one with higher start current first.

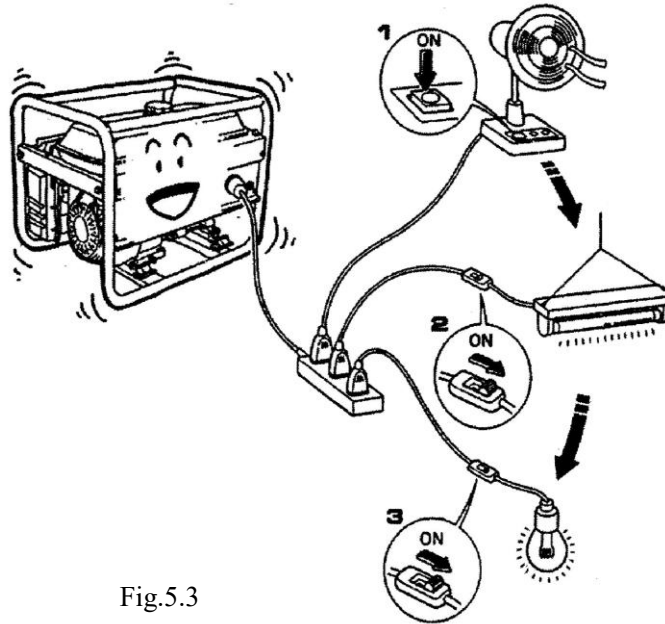


Fig.5.3

⚠ WARNING

When connect the generator to home power supply, be sure that a skilled electrician does this job.
]Improper connecting between the generator and loads may cause damage to the generator, even a fire.

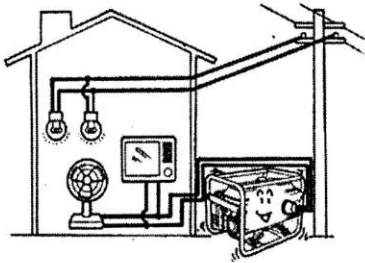


Fig.5.4 Correct

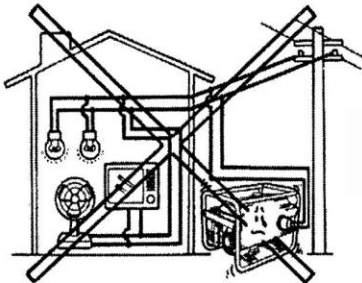


Fig.5.5 Forbidden

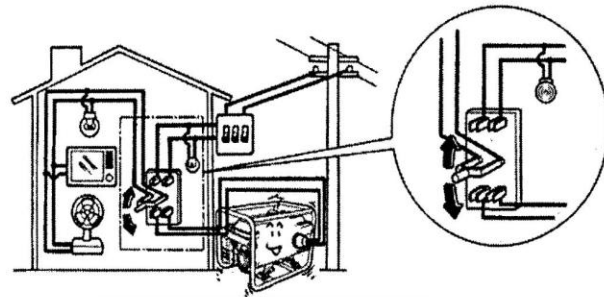
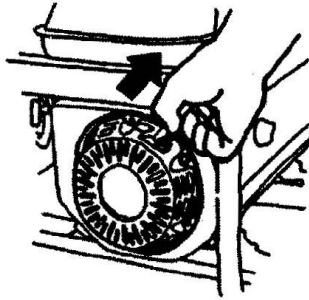


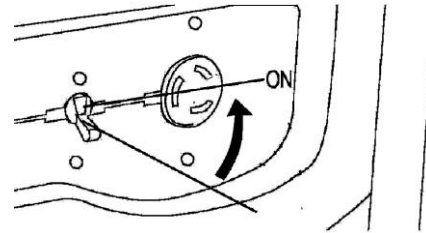
Fig.5.6 Correct

4. USE INSTRUCTION WHEN PROVIDING ALTERNATIVE CURRENT SUPPLY

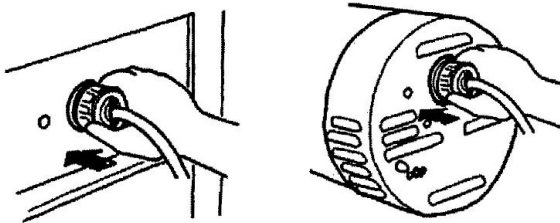
1. Start the generator



3. Switch on the AC breaker.

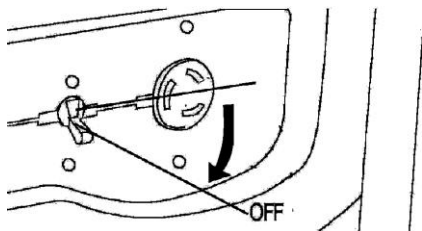


2. Connect devices

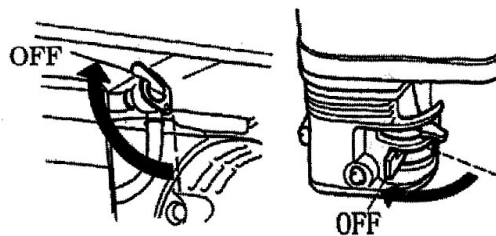


☒ . STOPPING THE ENGINE

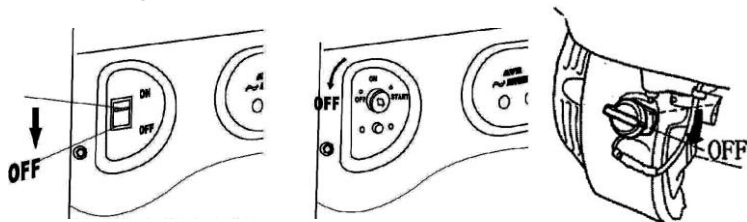
1. Switch off the AC breaker.



3. Set the fuel cock to " OFF" .


















2. Turn the ignition switch to " OFF" .



NOTE: To stop the generator in an emergency, turn the ignition switch to " OFF" .

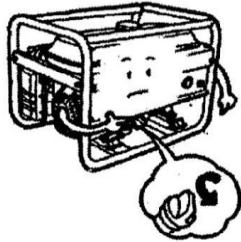
☒ . MAINTERNANCE

User should service the unit according to the Maintenance Schedule as follows:

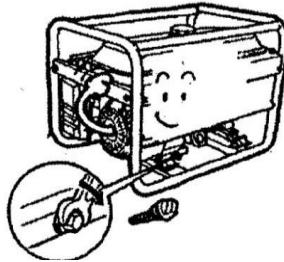
PERIOD								Ref. page
Engine oil check		Check						P.9
Replace engine oil			Replace			Replace		P.20
Air cleaner check		Check						P.11
Air cleaner wash				Clean				P.11
Oil filter cup						Clean		P.22
Oil filter cup filter						Clean		P.22
Spark plug						Clean		P.21
Valve clearance							Check, readjust	-
Cylinder cover wash							Clean	-
Fuel tank wash		Replace every 3-year						-

1. REPLACEMENT OF ENGINE OIL

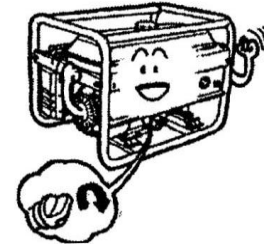
1. Turn and then take out the dipstick.



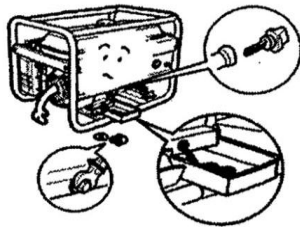
3. Screw on the drain plug.



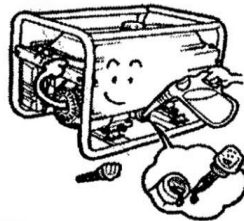
5. Reinstall the dipstick.



2. Turn off the drain plug, and empty the engine oil from the crankcase.



4. Fill engine oil to the upper level mark of the dipstick.



Engine oil: 4-stroke gasoline engine oil Class SE, SE from API Service Classification or $15W-40$ engine oil equivalent to Class SG.

Low air temperature (below 10°C)

Engine oil recommended: $15W-40$

High air temperature (above 15°C)

Engine oil recommended:

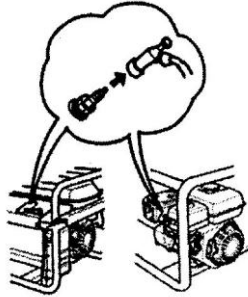
Class SE, SF from API Service Classification or $15W-40$ engine oil equivalent to Class SG.

2. MAINTENANCE OF AIR CLEANER (SEE ABOVE-MENTIONED)

3. SPARK PLUG

1. Withdraw the spark plug cap front the spark plug.

Fig.7.6



2. Dismantle the spark plug by means of a special tool.

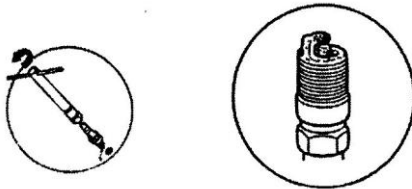
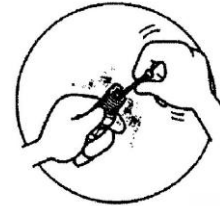


Fig.7.7

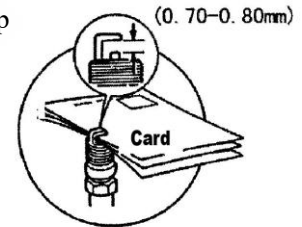
3. Clear away carbon fouling around the spark plug.

Fig.7.8



4. Check the spark plug gap and adjust if necessary.

Fig.7.9



5. Reinstall the spark plug and cap well.

Fig.7.10



4. MAINTENANCE OF FUEL FILTER

1. Set the fuel cock to " OFF" , and dismantle the fuel filter cup.

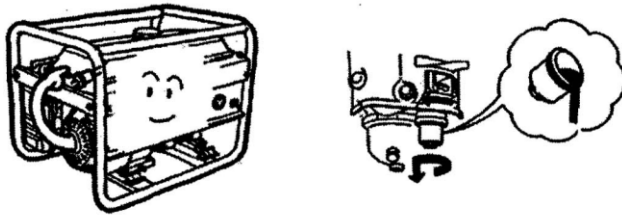


Fig. 7.11

3. Fit a new rubber ring to position and mount the filter cup securely.



Fig. 7.13

2. Clean the fuel filter cup thoroughly by blowing off in the reverse direction of the arrowhead.



Fig. 7.12

☒ . STORAGE

During long-term storage of the unit which are not

kept in use, carry out procedures as follows;

1. Set the fuel cock to " OFF" , turn off the filter cap and empty the fuel inside.

Fig.8.1



2. Set the fuel cock to " ON" , and empty the fuel from the fuel tank.

Fig.8.2



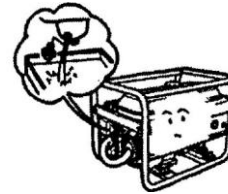
3. Replace the rubber ring with a new one and then turn right the filter cup.

Fig.8.3



4. Screw off the fuel drain plug, and empty the fuel from the carburetor.

Fig.8.4



5. Turn off the oil filler plug and oil drain plug, and discharge the engine oil from the crankcase.

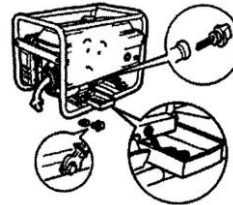
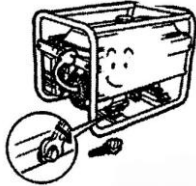


Fig.8.5

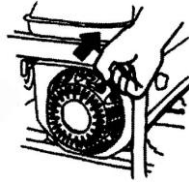
6. Reinstall the oil drain plug, and then fill engine oil to the upper level mark of the dipstick.

Fig.8.6



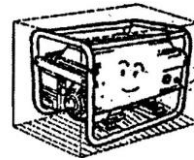
7. Pull up the handle gently until feeling an anti-action.

Fig.8.7



8. Place the unit in the clean area.

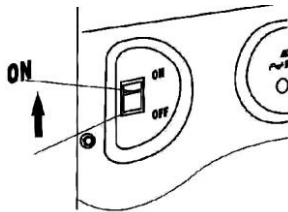
Fig.8.8



☒ . TROUBLESHOOTING

(1) TROUBLE: the generator fails to start.

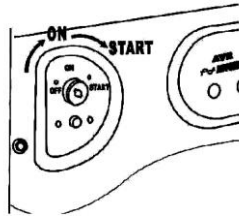
1. Check to see of the generator switch is at " ON"



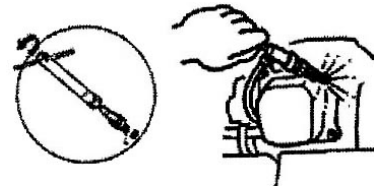
2. Check engine oil level.



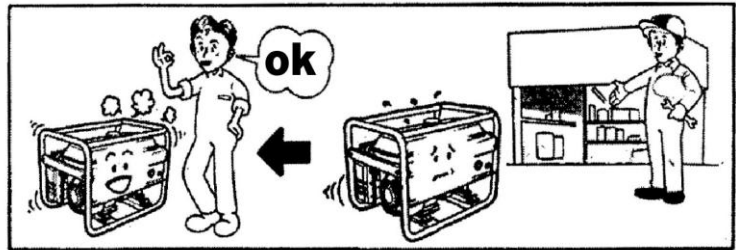
3. Check the fuel inside tank..



4. Remove the spark plug, and check it for proper sparks.

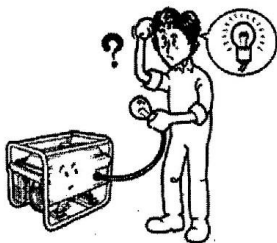


5. If the generator set if still out of work, see your dealer for help.

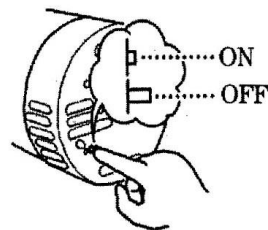
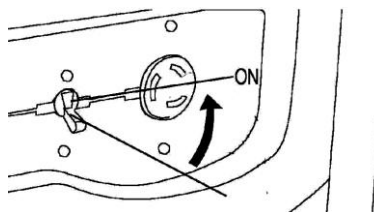


(2) TROUBLE: The unit fails to generate electricity.

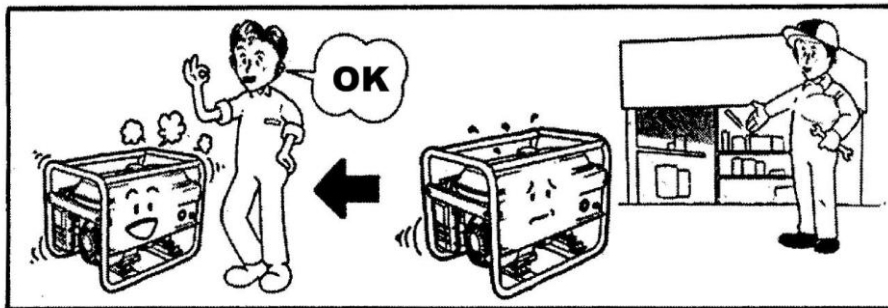
1. Check the light bulb.



2. Check to see if the AC breaker is at " ON" .



3. If such check is still unsatisfactory, see your dealer for help.



☒ . ASSEMBLY OF PARTS(choose and bug)

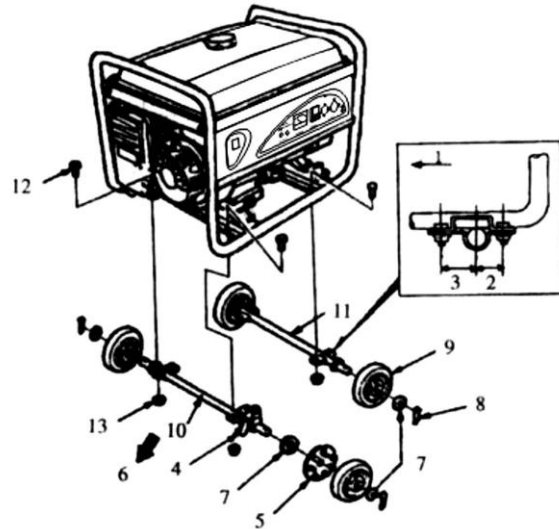
1 WHEEL

Assemble the wheel, to this end:

- 1.1 Fit the wheel onto the axle, then secure them with washer and split pin.
- 1.2 Mount the assembled axle on the frame with bolt and nut.

1. Inner side
2. Shorter side
3. Longer side
4. Latch
5. Stopping disc
6. Engine location
7. Retainer
8. Split pin
9. Wheel
10. Right axle close to engine)
11. Left axle (close to generator)
12. Nut
13. Bolt

Fig.60

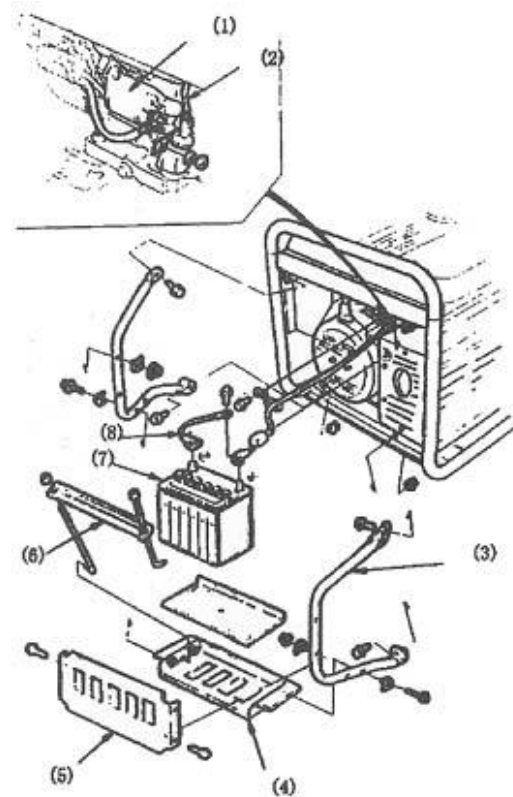


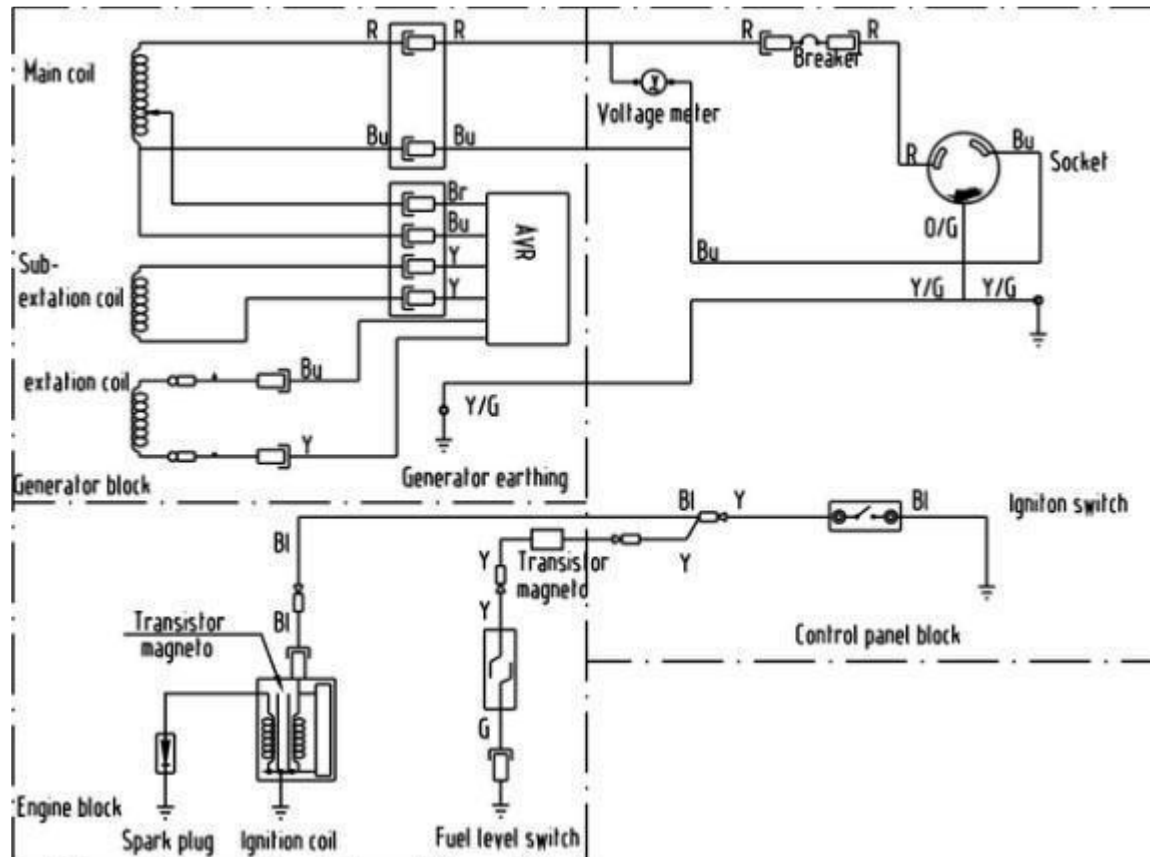
2 BATTERY

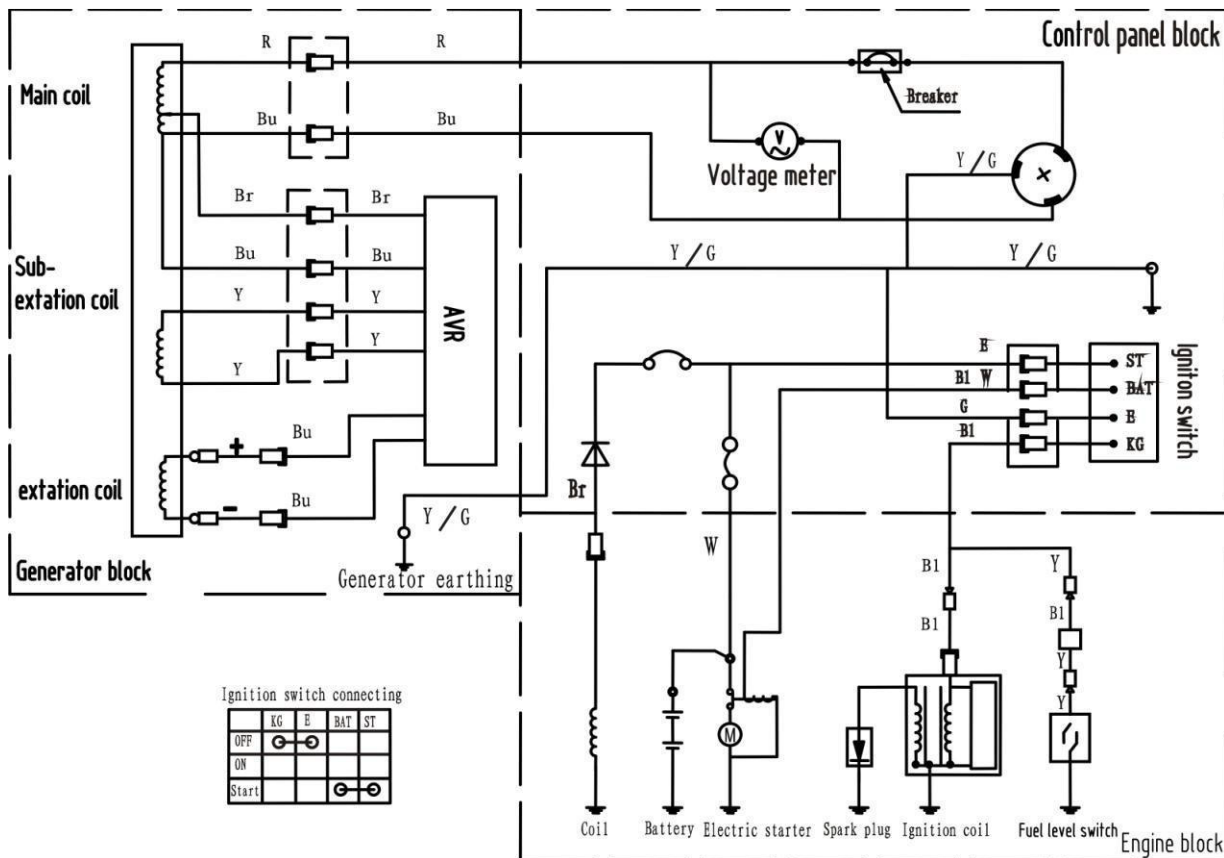
To install the battery, proceed as follows;

- 2.1 Assemble the battery with nuts, bolts and washers.
- 2.2 Connect the starting cable to the starting motor terminal alone the bottom of the fuel tank.
- 2.3 Connect the earth line with line with the rear end of the generator.
- 2.4 Connect the starting cable to the positive lead of the battery first, and then to the negative one. Disconnect in the reverse order.

- | | |
|--|--------------------|
| 1. Starting motor | 2. Starting cable |
| 3. Protective frame | 4. Battery bracket |
| 5. Battery guard | 6. Retaining frame |
| 7. Battery (with a rating of 12V-35Ah) | |
| 8. Negative wire | |







XII. . SPECIFICATIES

Motor	Type	4-takt, OHV, eencilinder benzinemotor met geforceerde luchtkoeling
	Verplaatsing (cm ³)	212
	Maximaal stroom uitgang (kW/tpm)	5,5/3600
	Ontstekingssysteem	Contactloze transistor
	Systeem starten	Handbediend & elektrisch
	Inhoud brandstoftank (L)	15
	Brandstofverbruik (l/uur)	1.5
	Duur van de runs (u)	10
	Motorolie-inhoud (L)	0,6
	Geluid (7 meter afstand) (dB)	≤67
Generator	Nominale spanning (V)	110-240
	Nominale frequentie (Hz)	50,60
	Nominaal vermogen (KVA)	2,0-3
	Max. vermogen (KVA)	2.2-3.1
Generatieset	Totale lengte (mm)	590
	Totale lengte (mm)	435
	Totale lengte (mm)	450
	Droge massa (kg)	51/53

Warranty

The guarantee takes effect on the date indicated on the purchase invoice and is valid for 12 months.

The guarantee is not transferable without a written statement of consent from Your supplier.

No warranty claims can be made without the purchase invoice.

Warranty is only applicable if the product is used according to the instructions provided and only for the purpose for which it was designed.

No modifications may be made to the product.

The guarantee does not apply in case of improper use.

Any shipping costs are not covered by the warranty provision.

Repairs should only be carried out by Your supplier. Any repair(s) carried out by third parties will invalidate the warranty claim.

Repairs during the warranty period will not extend the validity. However, a three-month warranty on the repair will be issued should the regular warranty period expire.

Any maintenance work to be carried out, described in the user manual, should be carried out in good time.

For warranty, please contact only the point of sale where you purchased the article.

