

GASOLINE GENERATOR SET

OPERATING INSTRUCTION



N1116

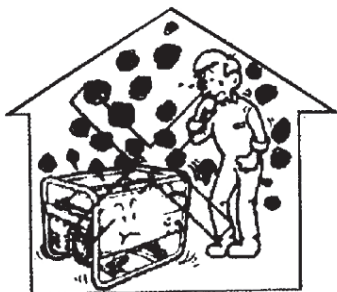
Warning

If you use a gasoline-powered generator, set it up outside in a dry area, away from air intakes to home. Opening doors and windows or operating fans to ventilate will not prevent CO buildup in home. Even with a CO alarm, you should never use a gasoline-powered generator inside your home or in a garage.

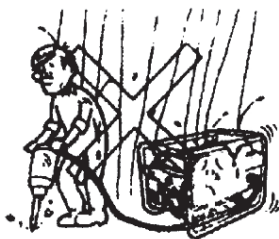
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SAFETY



No use in house.

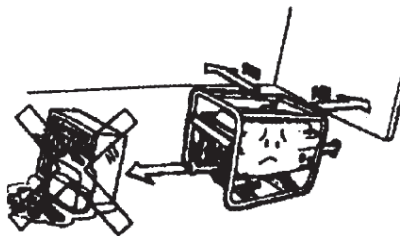


No use in wet conditions.



No connect to
household circuit.

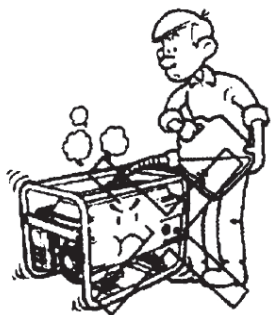
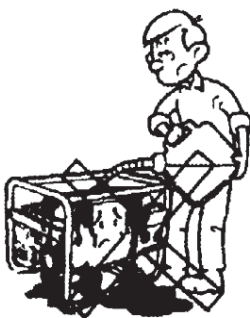
Keep in flammable
away(3ft)





When refueling no
smoking.

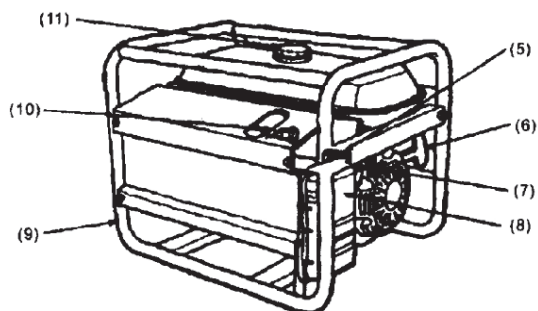
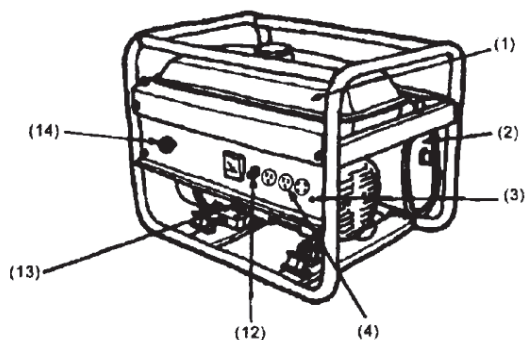
When refueling do
not spill.



When refueling stop
engine.

EVERY PARTS NAME

CX TYPE



(1)Fuel tank

(2)Exhaust silencer

(3)Ground terminal

(4)Circuit outlet

120V Three vents
240V Four vents

(5)Air-hinderance

(6)Operating handle

(7)Fuel valve

(8)Air filter

(9)Tube frame

(10)Spark plug

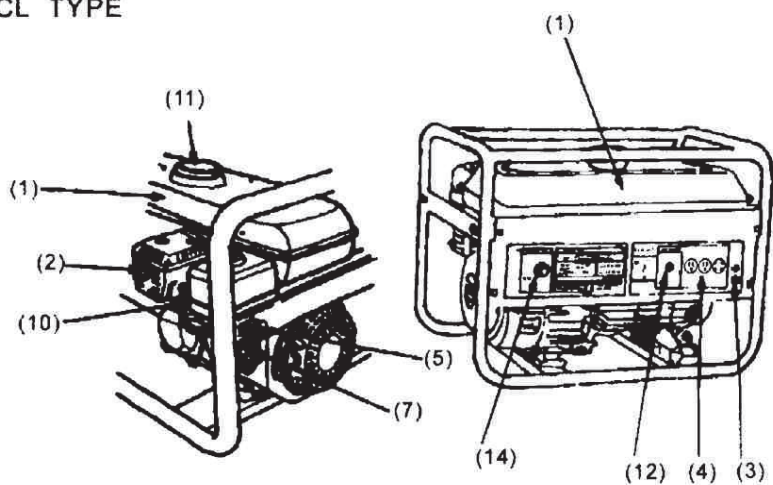
(11)Fuel cover

(12)Circuit cutout

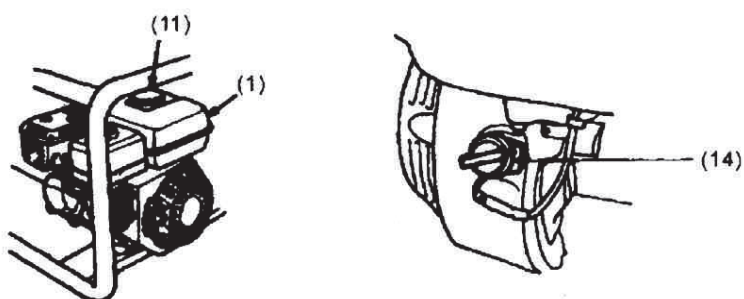
(13)Oil stopper

(14)Engine switch

CL TYPE



CL TYPE



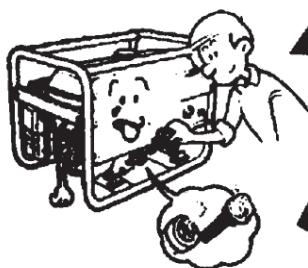
2.CHECK BEFORE USING



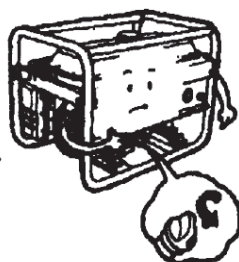
1.Check oil

Attention:Check generator after stopping engine on plain ground.

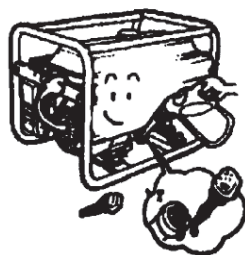
1.Open fuel cover and clean engine oil.



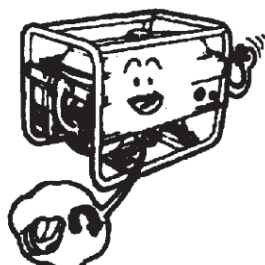
2.Insert engine oil ruler into oil mouth, and don't revolve engine oil ruler pour oil if oil level is below engine oil ruler.



1.Pour oil until it reaches above engine oil ruler level.



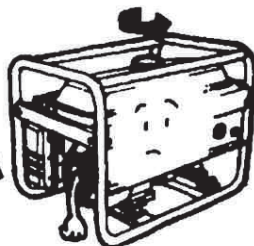
1.Fix engine oil plug ruler.



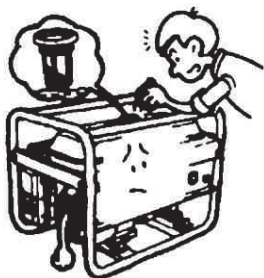


2.Oil level

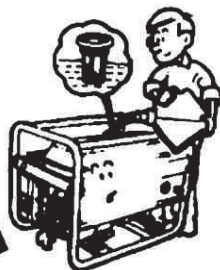
1.Uncover fuel tank.



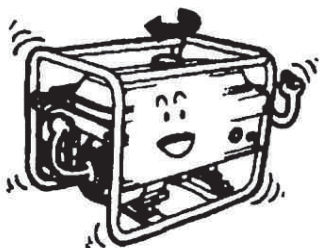
2.Check oil level,pour oil if oil level is low.



3.Pour oil until it reaches the shoulder of filter.



4.Fix oil cover.

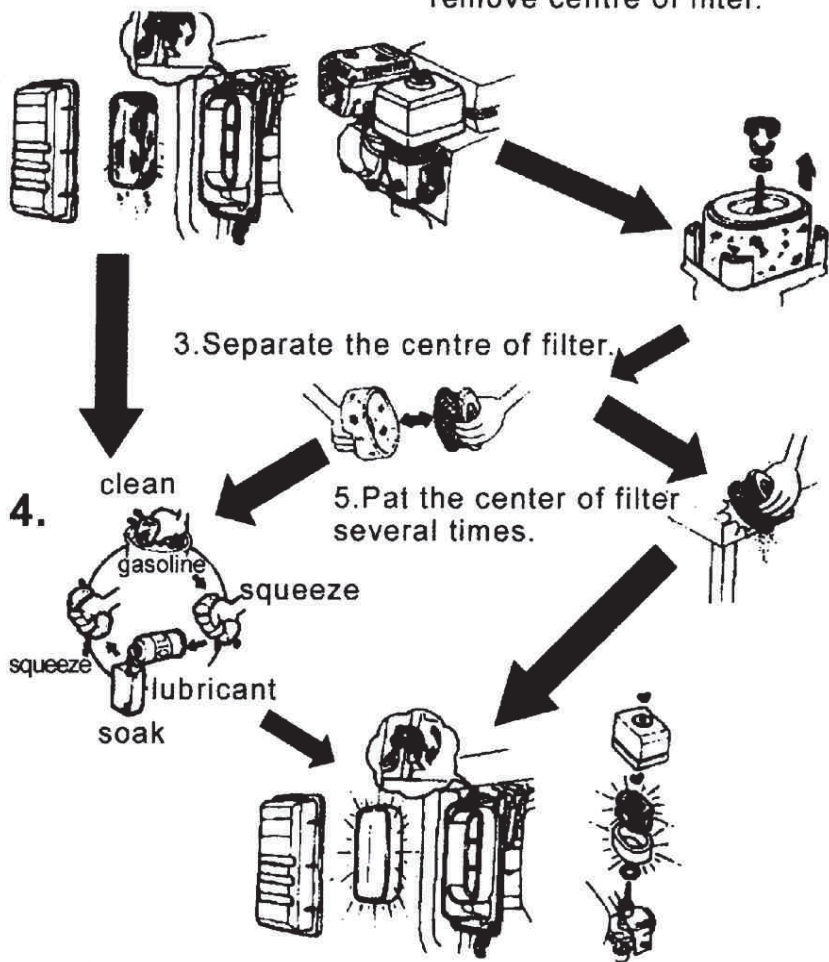




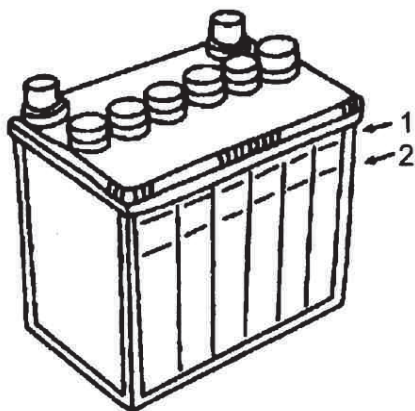
3. Air-filter

1. Remove Callipers, Remove outer covering off air-filter and turn on nut and cover of air-filter.

2. Turn nut and washer, then remove centre of filter.



3.STORAGE BATTERY(ONLY FOR CXS TYPE)



1.Make sure electrolyte of every unit is between upper limit and lower limit.

<1>upper limit

<2>lower limit

4.START ENGINE

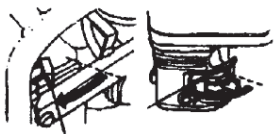
1.Remove any load from circuit and close circuit breaker.



2.Switch oil valve to "ON"



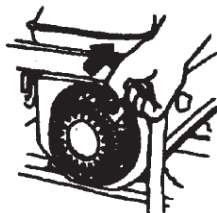
3.Switch air-hinderance rod to "CHOKE"



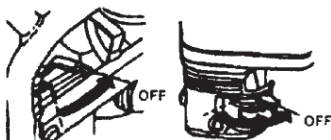
4.Switch the engine switch to "ON"



5.Pull operating handle softly until feeling hinderance,then pull with greater power.



6.When engine turns hot,operate air hinderance as the following arrows show.

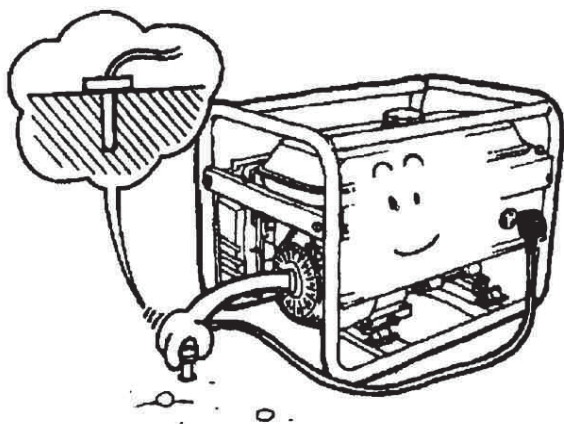


5.USAGE OF GENERATOR









- To keep generator in good mechanical condition and electric condition, please obey the following.



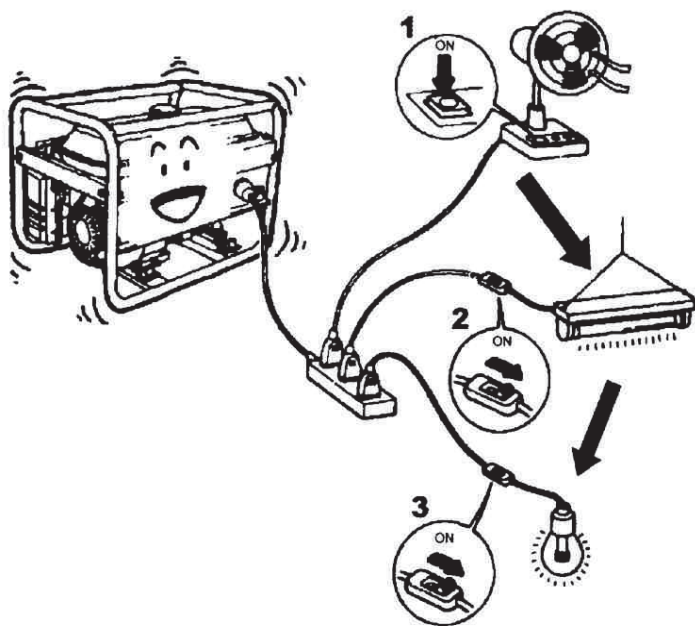
1.To avoid wrong use of electricity,make sure to use generator ground connectin.



2. Electric equipment, especially engine produces strong current when being started. The table below offers reference when you connect those installation to generator.

Patte	Watt		Model installation	Example		
	starting	rated		Installation	startinig	rated
<ul style="list-style-type: none"> • Incandescent lamp • heating installation 	X1	X1	 Incandescent lamp  TV	 Incandescent lamp 100W	100VA (W)	100VA (W)
<ul style="list-style-type: none"> • fluorescent lamp 	X2	X1.5	 fluorescent lamp	 40w fluorescent lamp	80VA (W)	60VA (W)
<ul style="list-style-type: none"> • Engine-starting installation 	X3-5	X2	 fridge  fanner	 fridge 150W	450-750VA (W)	300VA (W)

3. When more than two loads are connected to generator, please connect from high current to low.

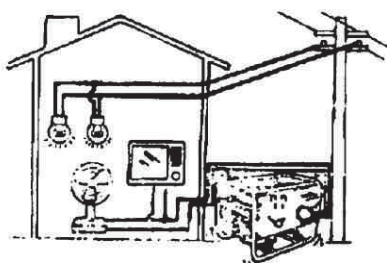


Attention:

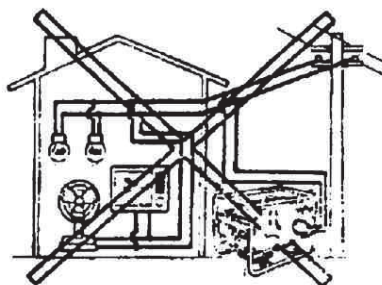
- Connecting generator with family power supply must be operated by someone who knows electricity well.
- Make sure connection is right after connecting loads to generator. If not, that may cause damage of generator or a fire.



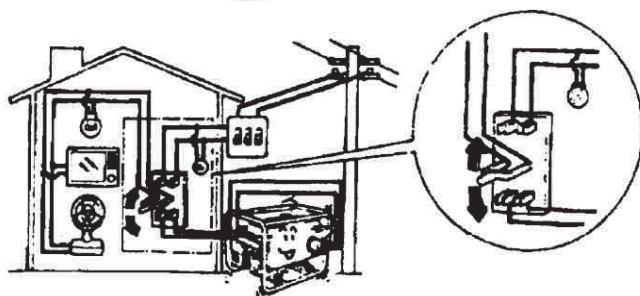
Good condition



X Forbidden

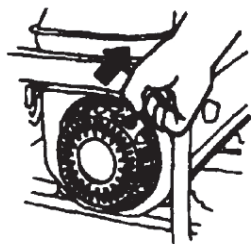


Good condition

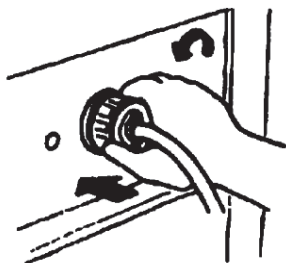


Use of circuit

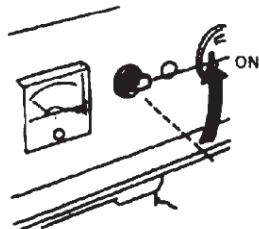
1.Start the engine.



2.Join the installment.

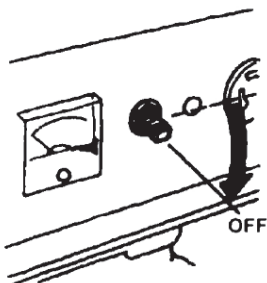


3.Connect the circuit cutout.
Push down the circuit protector.

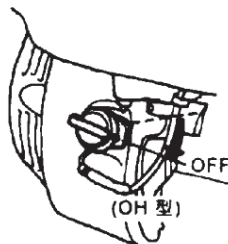
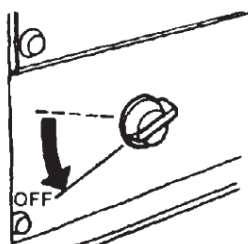


6.STOP THE ENGINE

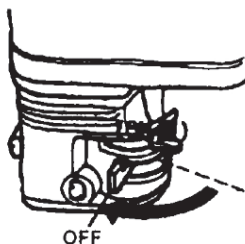
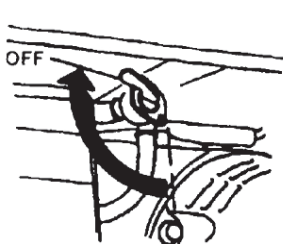
1.Close the circuit cutout.



2.Turn off the switch of engine.



3.Turn off the fuel valve.



Attention:

If engine must be stopped urgently,pull the swith to "OFF".

7.MAINTENANCE



check





























change



clean

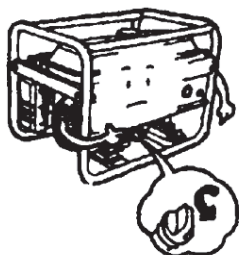


check re-install

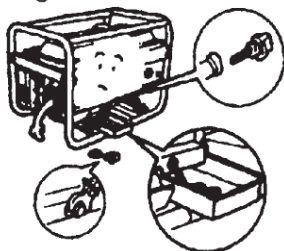
			 or the first month of the first use	 or every 3 months	 or every 6 months	 or every year	Eeference page
Lubricant checking							P.5
Lubricant checking							P.17
Air-filter checking							P.8
Air-filter checking							P.8
Cup of fuel- filter							P.19
Filter of cup of fuel-filter							P.19
Spark plug							P.18
Valve gap							-
Cleaning of cylinder cover							-
Cleaning of oil tank		Every three years 					-

1.Oil changing

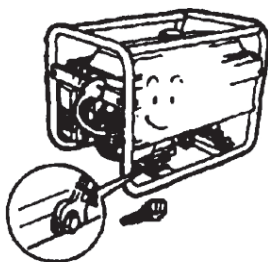
1.Open the cover of oil-adding.



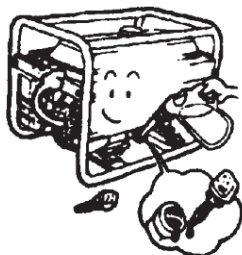
2.Turn off the oil bolt and discharge oil.



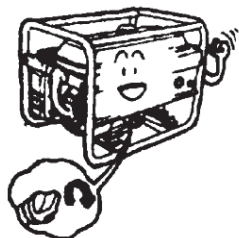
3.Place the oil bolt.



4.Pour oil till the upper limitation of engine oil rule.

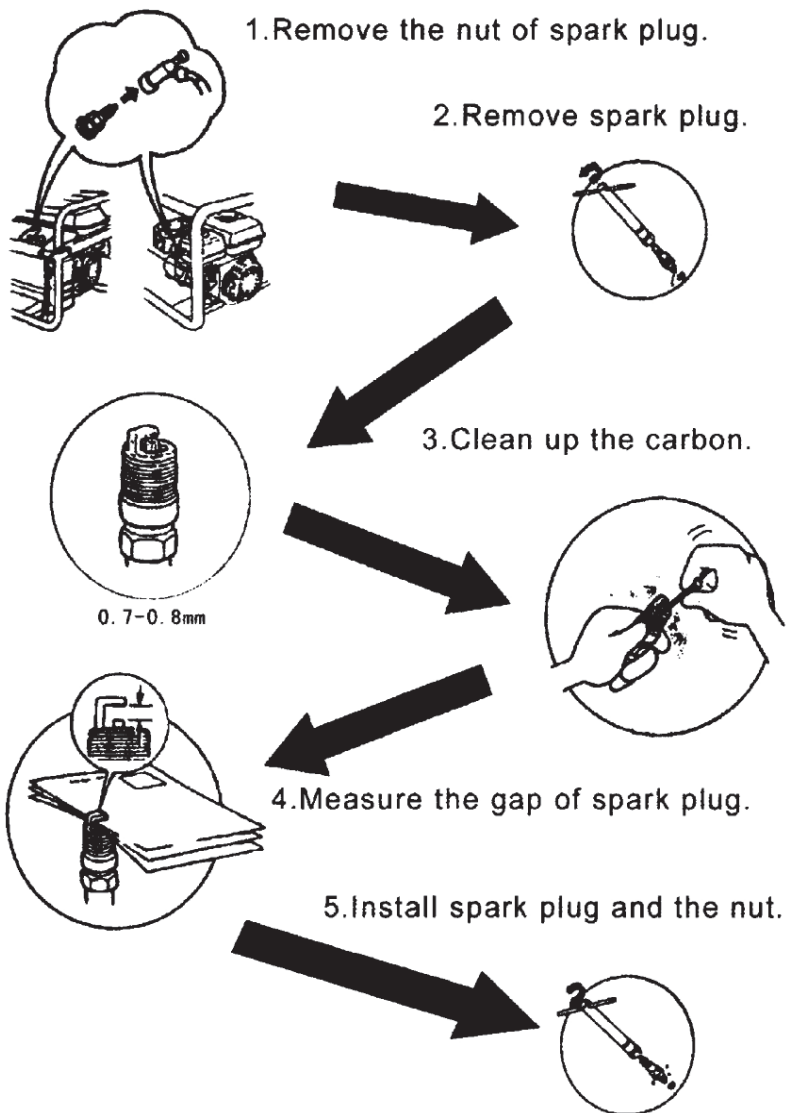


5.Place the oil engine oil ruler.



2.Ail- filter(see P8)

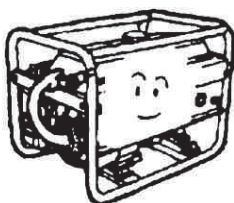
3.Spark plug



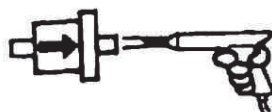
4.Maintenance of fuel-filter

1.Pull the fuel valve to "OFF" and remove the cup of oil-filter.

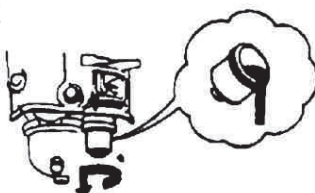
Remove the filter fuel-filter.



Use air gun to blow wind adversely to the arrow.



Remove the cup of fuel-filter.



2.Clean up the cup of fuel-filter.



3.Install new rubber spacer and cup of fuel-filter.

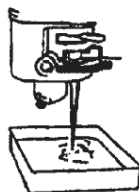


8.CARE-TAKING

1.Close oil valve, turn the cup of oil-filter and discharge the oil.



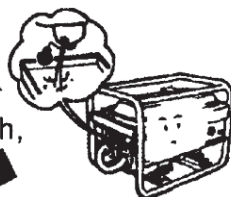
2.Open oil valve, discharge the oil in the tank.



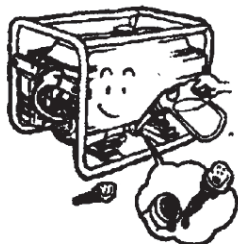
3.Chage the rubber spacer and turn the cup firmly.



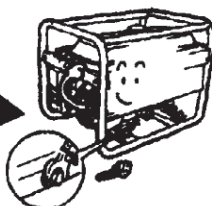
4.Turn oil-outting plug and let oil out of carburettor.



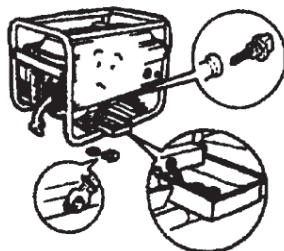
5.Turn oil-plug and oil-outting switch, then discharge the oil.



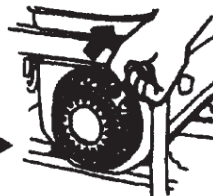
6.install oil-outting plug.



7. Pour oil until reach the upper limitation level of engine oil rule.

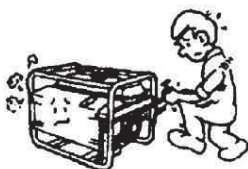


8.Pull the handle lightly until feel the obstruction.

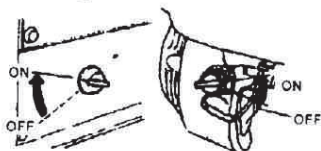


9.TROUBLE EXAMINING AND REPAIRING

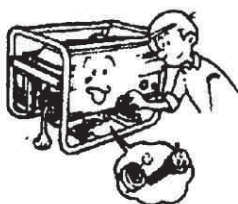
1.Engine does not start.



2.Is engine switch at "NO"?



3.Examine lubricant.



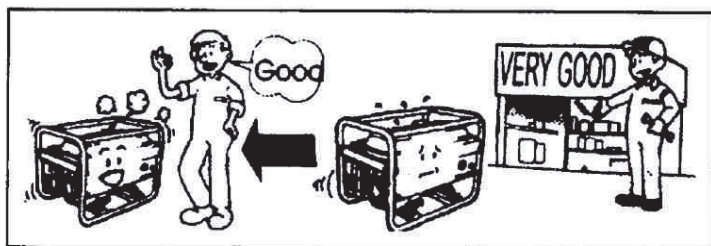
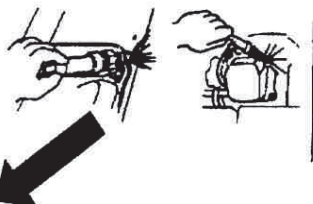
4.Examine oil.



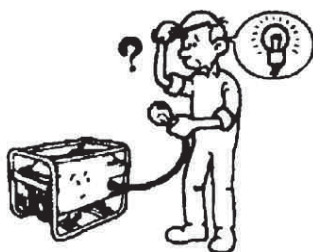
5.Remove spark plug.



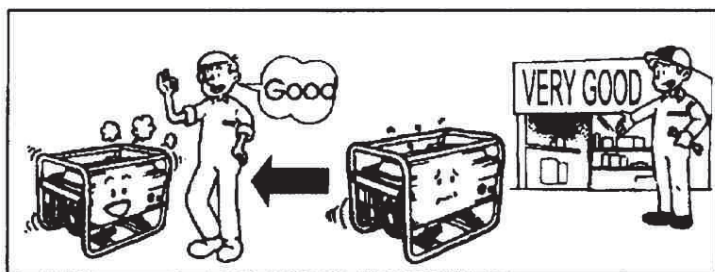
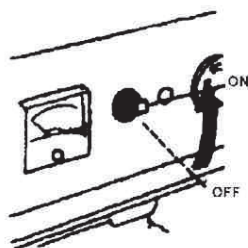
6.Examine spark plug.



1.Examine the bulb.



2.Is the circuit cutout at "ON"?
(The picture below)



DANGER

CARBON MONOXIDE

Using a generator indoors WILL KILL YOU IN MINUTES.

Generator exhaust contains high levels of carbon monoxide (CO), a poisonous gas you cannot see or smell. If you can smell the generator exhaust, you are breathing CO. But even if you cannot smell the exhaust, you could be breathing CO.

- NEVER use a generator inside homes, garages, crawlspaces, or other partly enclosed areas. Deadly levels of carbon monoxide can build up in these areas. Using a fan or opening windows and doors does NOT supply enough fresh air.
- ONLY use a generator outdoors and far away from open windows, doors and vents. These openings can pull in generator exhaust.

Even when you use a generator correctly, CO may leak into the home. ALWAYS use a battery-powered or battery-backup CO alarm in the home.

If you start to feel sick, dizzy, or weak after the generator has been running, move to fresh air RIGHT AWAY. See a doctor. You could have carbon monoxide poisoning.

