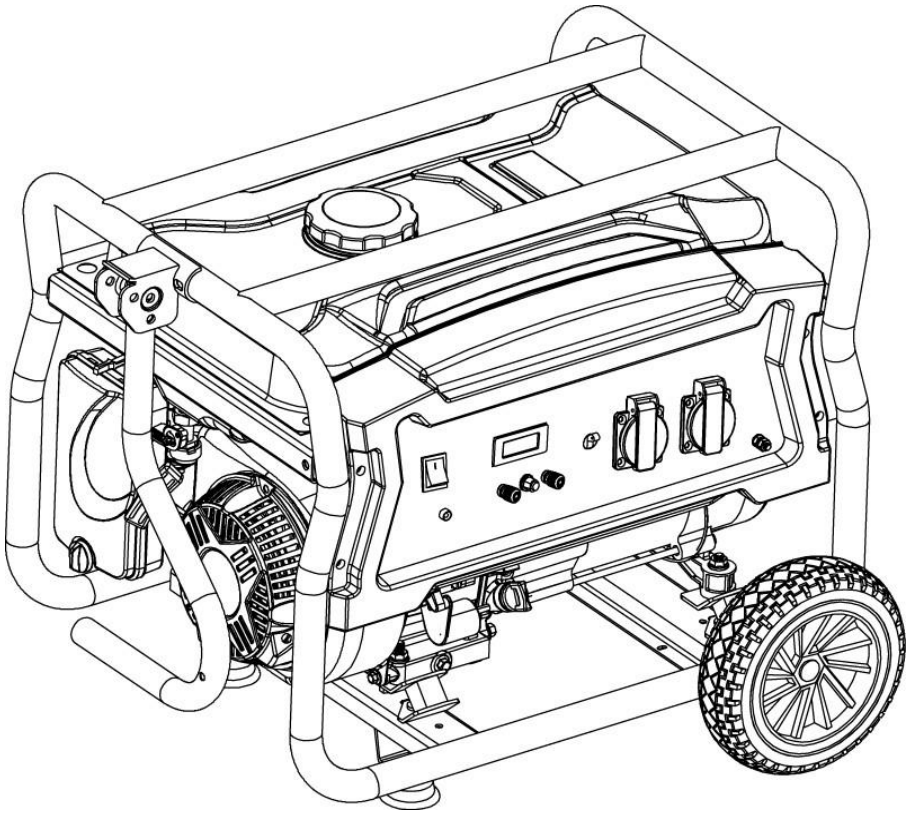
STAR generator

OPERATOR'SMANUAL

MODEL :
SPG5750E
SPG7750E
SPG9250E



⚠ **WARNING**:Toreducetheriskofinjury,theusermust read and understand the operator's manual before using this product.

SAVETHISMANUALFORFUTUREREFERENCE

TableofContents

Foreward

Thankyouforbuyinggeneratorunit.Thisproductisahouseholdgeneratorwhichproduces electrical power by means of an engine driving a alternator, and is used in situationswhereelectricitysupplyisinterruptedorasaprimarysourceofpowersupplywhere power is unavailable.

PleaseReadInstructionsCarefully

If youDONOTunderstandinganypartof thismanual, pleasecontactSTARat: for any startup, operation and maintenance concerns. It is recommendedthatyoureadthismanualtounderstandallrequirementsandoperatingsteps of this generator before you use it. Keep this manual in good condition for reference in caseof emergencyinthe future.Ifyoulendorsellthegeneratorunit supplywiththismanual. Thegeneratorcanbeoperatedinasafe,effectiveandreliableway only whenitiskept,operated and maintained properly. Before operating or carrying out maintenance of the generator unit, the operator will:

- Knowwell andstrictlyobservelocallaws and regulations.
- Readthe manualcarefullyand observeall safetywarnings in thismanual andon thegenerator.
- Instructothersontheproperuseofthis generatorand besuretheyarefamiliarwithallsafety warnings in this manual before use.

Itisimpossibleformanufacturerstopredictallpossibledangeroussituations,therefore,warningsin this manual and labels on the generator unit may not identify all hazards. If no special suggestions are raised with respect to the operation procedures, working procedures or operating skills, use thisgeneratorinamannerwhichguaranteespersonalsafety. Inaddition,makesurenodamageto the generator unit is caused by the operating procedures, working methods or operating skills.

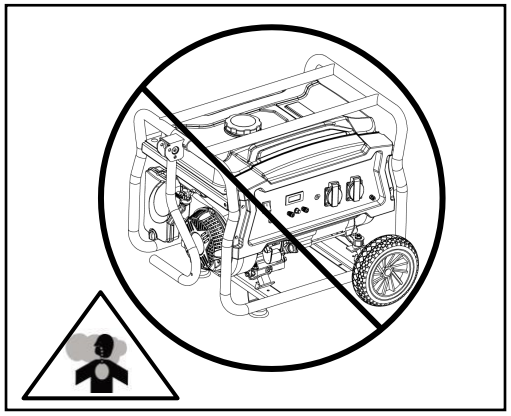
Informationcontained hereis based onthe machinein production attimeofpublication. TPEAustraliareserves the rightto change anypartsdescribed inthetextwithout noticein advance.

PleasereadcarefullytheALLsafetywarningsintheinstructionsandonthedecalsofthegenerator unit, with symbol ⚠ in front. Details are shown as follows:

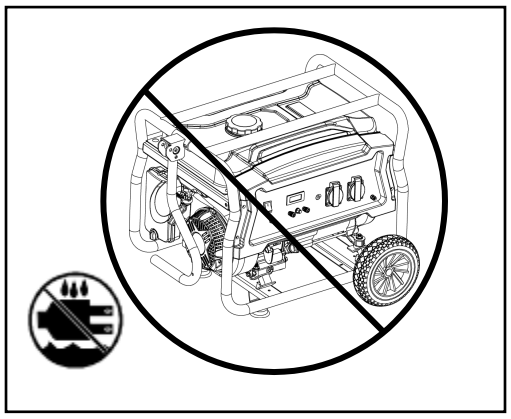
⚠Danger:You maycause yourself serious injuryif you do not follow these warning labels.

⚠ Warning:Youmaysufferseriousharmbyignoringthislabel

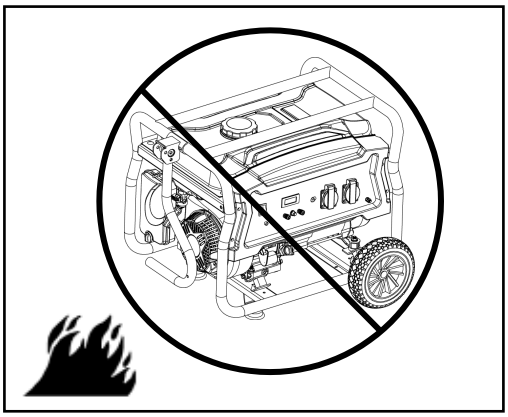
SafetyPrecautions



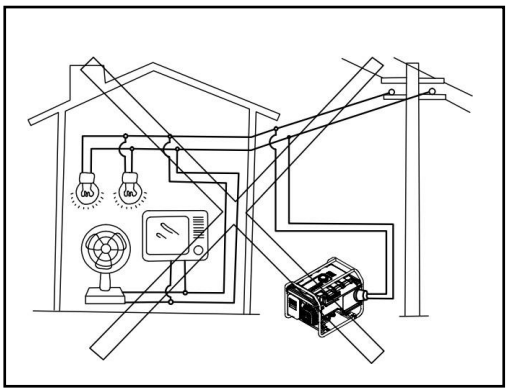
Danger: Use outdoors only, exhaust gas released from the equipment contains Carbon Monoxide (CO), which cannot be seen or smelt. Excessive inhalation of CO may cause a loss of consciousness and may claim life in extreme circumstances.



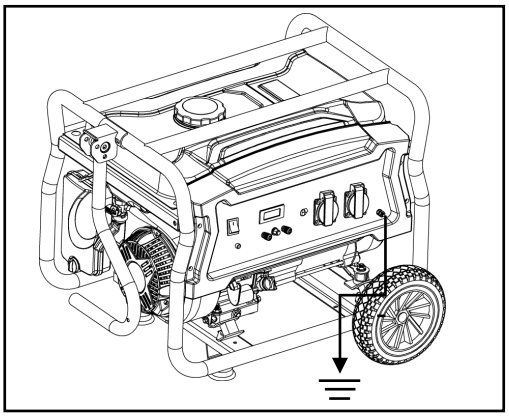
Warning:Donotusethisgeneratorif exposed to rain or if wet, and store in an enclosed area when not in use.



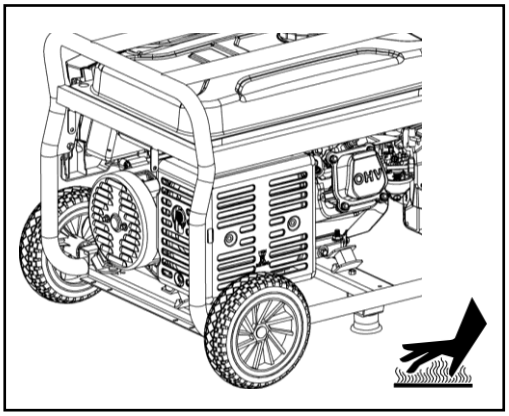
Warning:Keepthegeneratorclean, remove any gasoline or oil spills on or aroundthegenerator.



Danger: Do not connect the generatorunitwithmainssupplyorother power sources , use it alone.



Warning:Properlygroundthe generatorandverifygroundingisin place before each use.



Warning: DO NOT touch HOT surfaceoryoumaybeinjuredorsuffer burns.

SafetySpecification

Danger: Electrocution hazard -Electricity can causeDEATH orSERIOUSINJURY

- DONOTuse barewireto connect powersupplyto electricalequipment, useaplugthat meetslocal regulations.
- Duringgenerator operation, do not touch exposedwires.
- Duringgeneratoroperation,keep childrena safedistancefromthe generator unit.
- DONOTuse thegenerator unless itisfullyassembled as instructed in this manual.
- Properlygroundthegeneratorandverifygroundingisinplacebeforeeach use.Grounding regulations vary by location, consult a qualified electrician for verification.
- Accessoriesincludingcablesandplugmustnotbedefective.Electricshockprevention hinges on the breaker. If you renew the breaker use a breaker with the same rating and performance features, contact your local authorized service agent.

Danger:Fuelusedbythegeneratoriscombustible,asthisequipmentgenerateshigh temperature, this causes a fire risk in some circumstances , such as refueling.

- Itis strictlyprohibited toadd fuelwhilethe generator is operating;
- Whenaddingfuel, keepfarawayfrom anyignitionsource, andNOsmoking;
- When adding fuel, pay attention not to spill fuel on the equipment, if fuel is spilt ; cleanitimmediately,andonlystartitupwhenthespiltfuelhasevaporatedcompletely;
- Duringoperation, besurethere areno combustibleswithin a 2mrange.
- In caseoflong-termnonuse,makesure youuseafuelstabilizeroremptythefuel tankand bowl.

Caution:Thisequipmentcontainshighspeedrevolvingparts,whichmaycauseinjury.

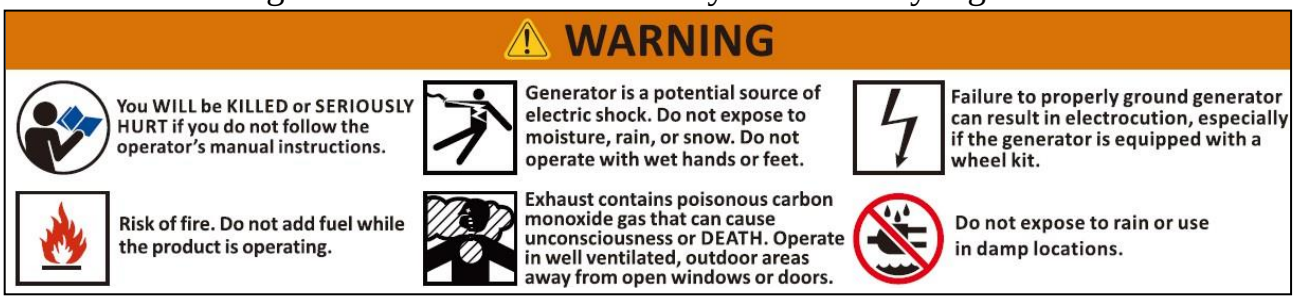
- Duringgenerator operation, avoid cominginto contact with anyrevolvingparts.
- Duringgeneratoroperation,observesurroundings,makesurethereisnorisktothe generator, other people and nearby equipment.
- Duringgeneratoroperation,donotliftorre-position.Turnthegeneratoroffensuringithas come to a complete stop.

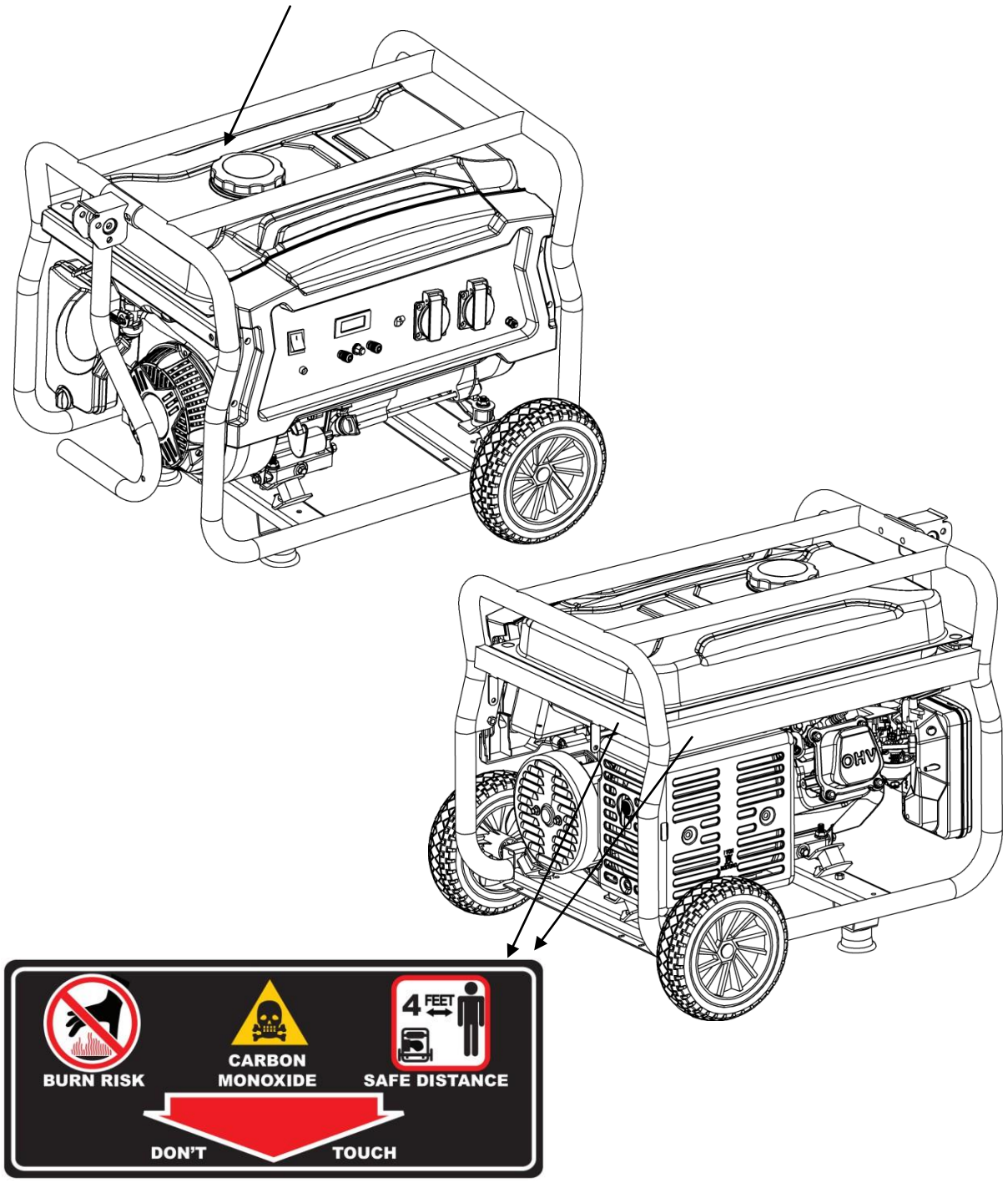
Attention:operating requirements

- Donot placeweight on theequipment.
- The wheel is adopted for convenience of equipment moving, do not use it in long distance, otherwise it will be damaged.
- Do not exceed rating power of the equipment in operation; otherwise, its service life willbe shortened. Power of common household appliances is shown on Page 14 in details.
- Maintaintheequipmentbasedonrequirementssoastoprolongitsservicelife,referto Page 15-17 for details.
- Operateandstorethegeneratorinadustfreeareathispreventsdust enteringinsideofthe equipment which reduces its working life.

SafetyRegulations

Thereisthewarningdecalonthemachinetoremindyouofthesafety regulations.





WarningLabels

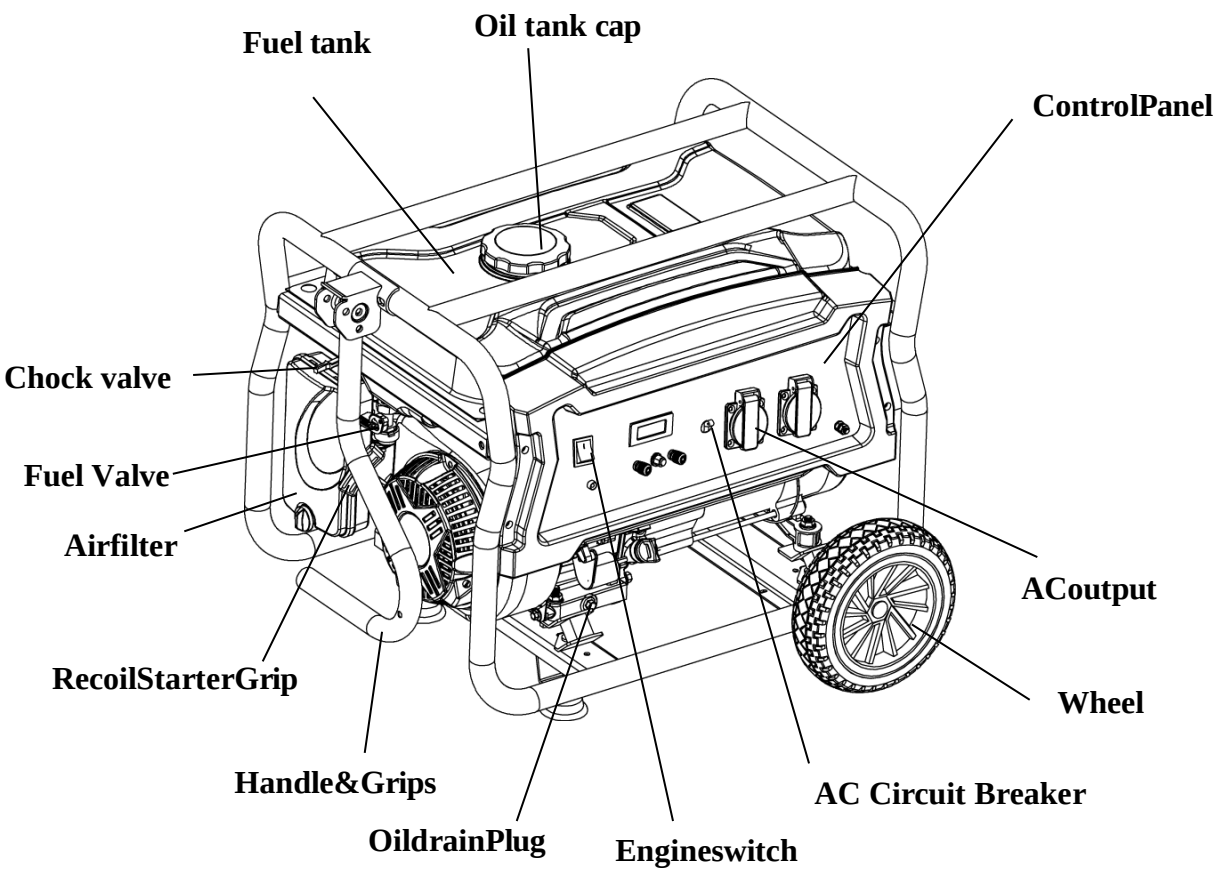
Someoffollowingsymbolsareusedinthemachineorthemanual.Tounderstandtheirmeanings will make it easy and safe for you in operation.

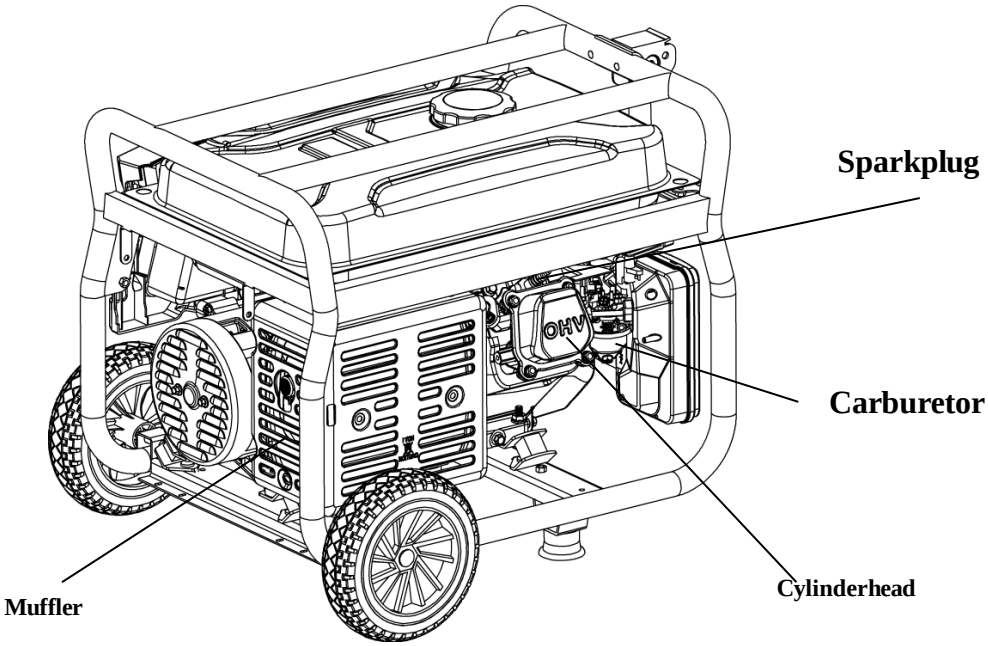
Symbol	Name	Meaning
V	Volt	VoltageUnit
A	Ampere	CurrentUnit
Hz	Hertz	FrequencyUnit(1Hz=60 r/min)
W	Watt	PowerUnit
RPM	RevolutionPerMinute	SpeedUnit
PF	PowerFactor	GeneratorEfficiency
G1	PerformanceRate	PerformanceRate
	ReadInstructions	Pleasereadinstructionscarefullybeforeusing.
	SafetyWarning	Riskofharminthecaseofnotfollowinginstructions.
	ElectrocutionRisk	Indicatethatthereisanelectrifiedbodyhere,payattentionto safety.
	ElectricShock	Thisisanelectricdevice,failuretoobservetheindication may result in an electric shock.
	Electricity,DoNotTouch	Thedeviceproduceselectricity,donottouchduringoperation.
	ToxicGas	Exhaust gas fromthis generatorcontains CarbonMonoxide (CO),acolorless&odorlessgas.ExcessiveexposuretoCO may cause loss consciousness and may lead to death in extremecircumstances.
	Fire	Hightemperaturegeneratedfromoperationmaycausefire, so operate it with caution.
	Explosion	Ifthefueltankisexposedtohightemperatureoropenfireit may explode.
	Burns	Somepartswillgeneratehightemperaturein operation, this will burn the skin.
	Grounding	Consultanelectriciantodeterminegrounding.Make surethegeneratorissafelygroundedbefore operation.
	WaterExposure	Donotuseaplugorelectricdeviceonrainydaysorif they are wet.
	EngineOil	Engine oil symbol and the specification is based on Page 9.
	fuel	Fuelsymbol.

ProductSpecifications

Model	SPG5750E	SPG7750E	SPG9250E
AC Output	17.4A	21.7A	26.1A
Frequency	50Hz		
Voltage	230V		
Power Factor	1.0		
Rated Power	4000W	5000W	6000W
Max. Power	4300W	5400W	6500W
Fuel Tank Capacity	15L	25L	
Engine	DH302	DH420	
Type	4 Stroke / Air Cooling / Single Cylinder / OHV/ Horizontal Shaft		
Engine Oil Capacity	0.6L	1.1L	
Starting Mode	Recoil/Electric Start		
Displacement	302cc	420cc	

ComponentIdentifaction





Features

KNOWYOUR GENERATOR
The safe use of this generator requires an understandingoftheinformationprovided inthis operator's manual as well as a knowledge of the project you are attempting. Before use of this generator, familiarize yourselfwithalloperatingfeaturesandsafety rules.

ACCIRCUITBREAKER
The circuit breakers are provided to protect thegeneratoragainstelectricaloverload.The circuit breaker may be reset by pressing thecircuitbreakerreset button.

AIRFILTER
The air filter helps to limit the amount of dirt anddust drawn into theunit duringoperation.

CHOKE LEVER
Thechokeleverisusedwhenstartingthe engine.

FUELTANK
Thefueltankhasacapacityof15liters/25 liters
FUELVALVE
Fuelflowfromthefueltanktotheengineis turned on and off using the fuel valve.Turn fuel off after use.

GROUNDTERMINAL
Theground terminalis usedto assist in

properlygroundingthegeneratortohelp protect against electrical shock. Consult with a qualified local electrician for grounding requirements in your area.

LOWOILSHUTDOWN PROTECTOR
Thelowoilsensorcausestheenginetostopif thelevelof oil inthecrankcaseis insufficient.

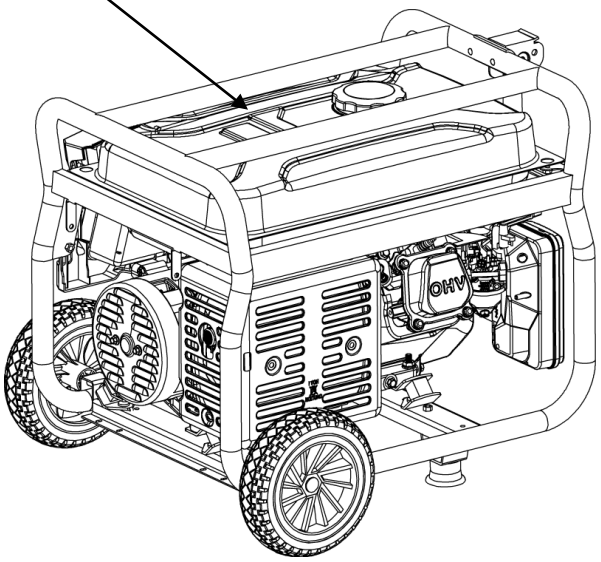
OILCAP/DIPSTICK
Removetheoilfillcaptocheckandaddoilto the generator when necessary.

OILDRAINPLUG
When changing the engine oil, unscrew and removetheoildrainplugtoallowoldengine oil to be drained.

RECOILSTARTER GRIP
Therecoilstartergripisusedtostartthe generator's engine manually.

OperatingGuide

Theoperationalstepsarepastedabovethefuel tank, . please operate as per the instructions.

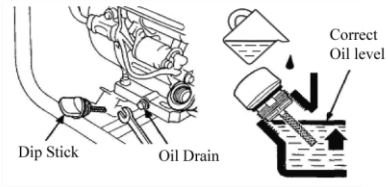


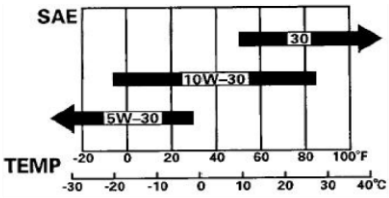
Unit grounding

Shift the machine outdoors, use the grounding terminal connection wire to ground to earth. One end of the wire is pressed below the butterfly nut on the unit, screw it up tightly, and the other end is connectedwiththemetalrodthatisinserted into the ground.

Pre-operational

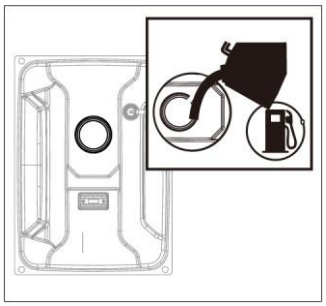
Addengineoil



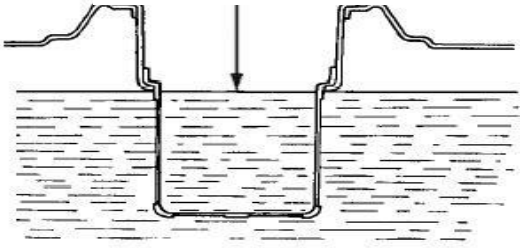


Unscrew the oil dip stick, add engine oil SAE10W/30 (oil requirements may varyifoperatinginextremetemperatures,ref er abovetable).Filltheoiltothetopofthethread (indicated as "Correct Oil Level" above).
If oil is spilt wipe off machine to avoid fire hazardandfromthegroundtoavoidslipping.

Fillfuel oil

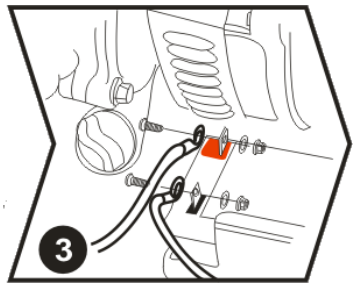


DoNotexceedthislevel



Openthefuelfillcapand fill witha **Ethanol Free91octanegasoline**(95and98octane may be used). The fuel level position will be displayedontheindicatoroppositethefuelcap. When filling the tank the maximum fuel position shall not exceed the inner strainer of the Fuel tank as indicated above.
Warning:keepawayfromanypossible ignition sourcewhenfillinggasoline;donotfillthefuel tank while the generator is in operation.

Connectelectricbattery(electrical starting only)

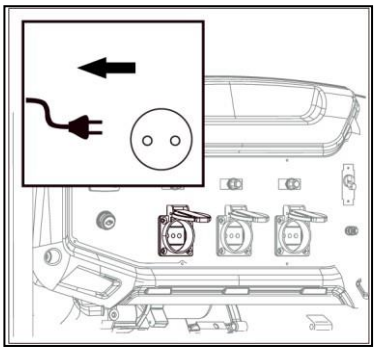


Connect the battery, red for positive terminal and green for the negative terminal and make sure you tighten the nuts. Pay attention and avoid contact betweenpositiveandnegativeterminaltoeliminate the chance of short circuit. Make sure you placethe rubber protective covers over the terminals.

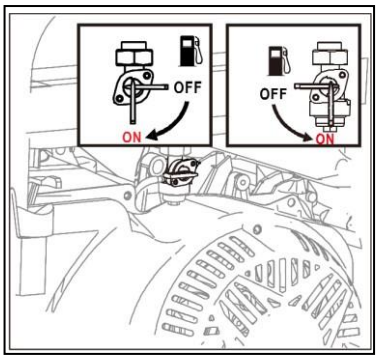
Operation

StartingtheEngine

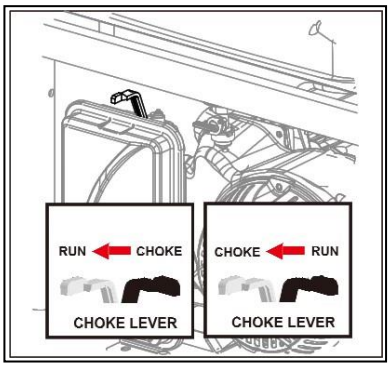
1. Unplugall loads from the generator.



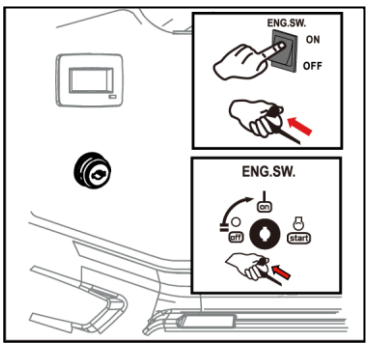
2. TurntheFuelvalvetotheON position.



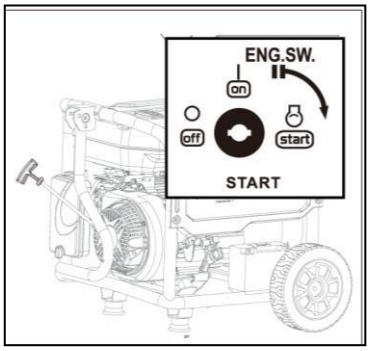
3. MovethechokelevertotheCHOKEposition. NOTE: Ifenginehasbeenoperatingand isbeingrestartedleavethechokeleverinthe RUN position.



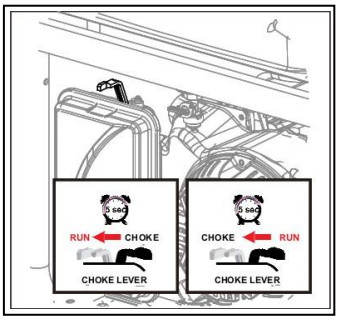
4. Turntheswitchonthecontrolpaneltoon.
   a. Thegeneratorunitis electric.



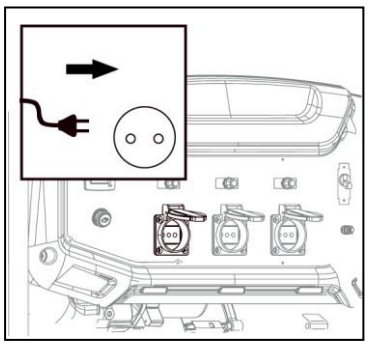
start and can be started by turning the switch around to the START position. In order to extend the service life of the battery, do not turntheswitchformorethan3secondsandthe interval between two attempts should be at least 10 seconds apart.



b. For the manual start generator by pulling the recoil starting grip until the engine runs. NOTE: Donotallowthegriptosnapbackafterstarting; return it gently to its original place. Allow the engine to run for 10-20 seconds, then move the choke lever to the RUN position.



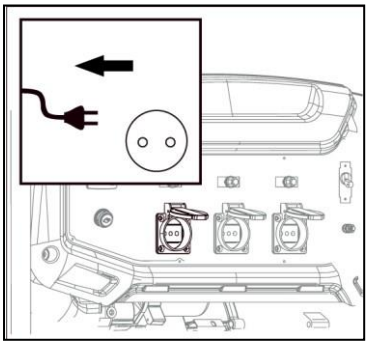
5. To operate electrical equipment, turn the circuitbreakerON.Pleasenotethatwhenusing several appliances at the same time, do not add the next one unless the generator and other items are running normally. The total power of the loads should not exceed the rated power of the unit.



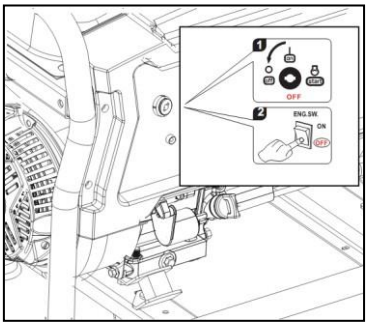
Operation

StoppingtheEngine

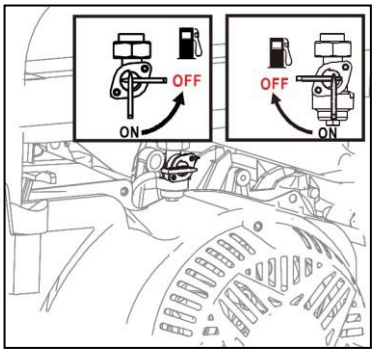
1. Removeanyload fromthegenerator.



2. TurntheengineswitchtotheOFF position.



3. Turnthe fuelvalvetotheOFF position.

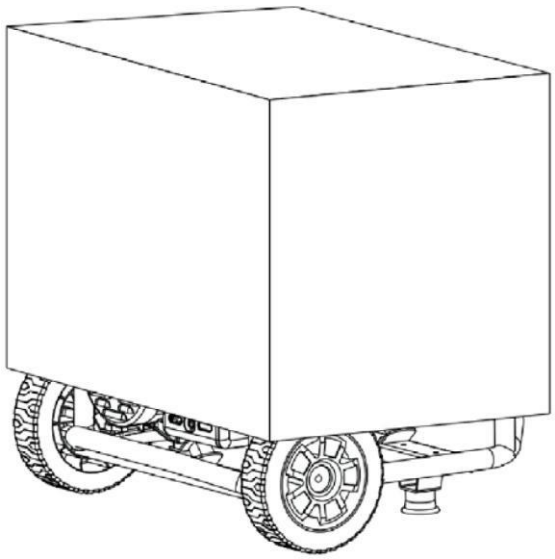


Tostoptheunitquicklyinanemergency:

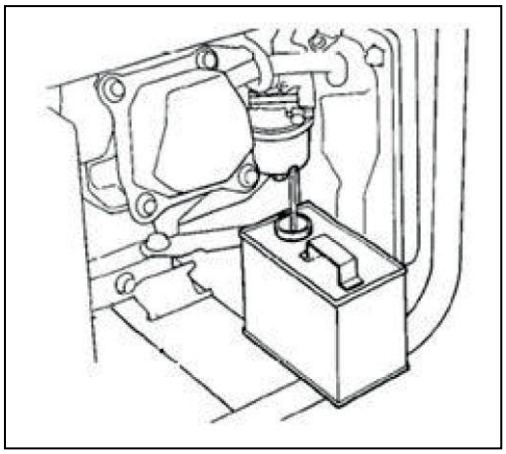
TurntheengineswitchtotheOFFposition.

Warning:

Thesurfacetemperatureofthegeneratorunit are still high after shutdown, and it should not be moved or touched before cooling down to avoid the possibility of burns.

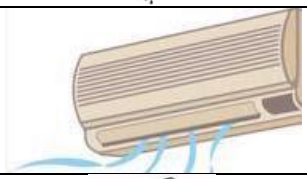


The unit should be stored in a clean and dry place and should be protected from rain and high temperature. Covering the unit is recommendedtoavoidexcessiveexposureto moisture and dust.



If the generator is not used regularlyremove the fuel via the drainage bolt of the carburetor and drain the fuel tank.Then tighten the oil drainage boltagain.Ifaqualityfuelstabilizerisusedthen this procedure can be ignored.

PowerManagement

Electric equipment			Ratedpower(W)	Startingpower(W)
Household Appliances	Flatpaneltelevision 27"		500	800
	Energysaving lamp		5~50	5~50
	Electric cooker		1000	1000
	Computer		800	800
	DVD		100	100
	Refrigerator		800	1600
	Washingmachine		300	600
	Electricfan		50	100
	Air-conditioner2HP		1500	3000
Tools	Electric welder		2500	5000
	Electric hammer		1000	1500
	Waterpump		800	1200

Thestartingwattageofsomeappliancesarecanbehigherthantheoperatingwatts.Pleasereadthe labels of the electric equipment for reference. The total power of the loads should not exceed the rated power of the generator.

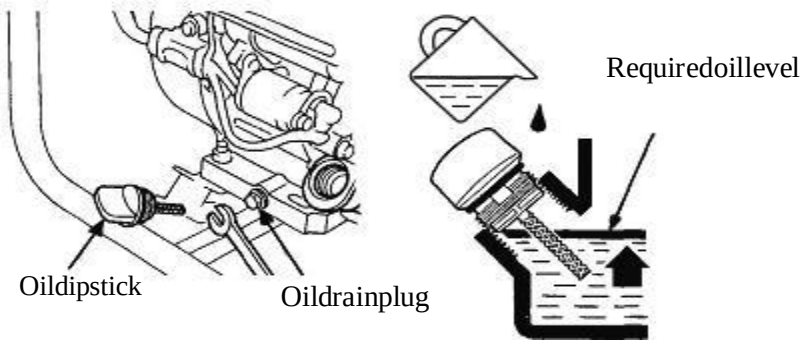
Maintenance

Regularmaintenanceisthebestguaranteeofsafe,economicalandfault-freeoperation,andcanalso contributes to environmental protection.
Maintenancescheduleisasfollows-Pleasecarryouttherecommendedmaintenanceattheearlierof the stated hours or elapsed time.

Schedule for regularmaintenance		Per use	Every 20 hours or in the first month of initialuse(3)	Every50 hoursor every 3 months (3)	Every 100 hoursor every 6 months (3)	Every300 hours or everyyear (3)
Engineoil	Inspectthe oil level	○				
	Replace		○		○	
Air filter	Inspect	○				
	Clean			○ (1)		
Fuelstrainerbowl	Clean				○	
Sparkplug	Clean				○	Replace
Valve clearance	Readjust					○ (2)
Cylinderhead	Wash	Every300 hours (2)				
Fueltankand strainer	Wash	Every2years(2)				
Oil tube	Replace	Every2years(2)				

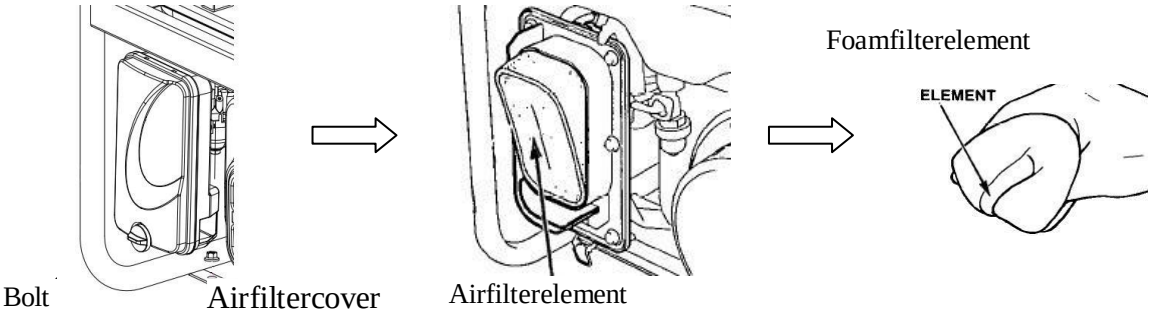
(1) Maintenanceshouldbeconducted morefrequentlyiftheunit is used industyconditions.
(2) MaintenanceshouldbeconductedbyanauthorizedStanleygeneratordealer (to find one see tpeaustralia.com.au/dealers).

Replacetheengineoil



Maintenance

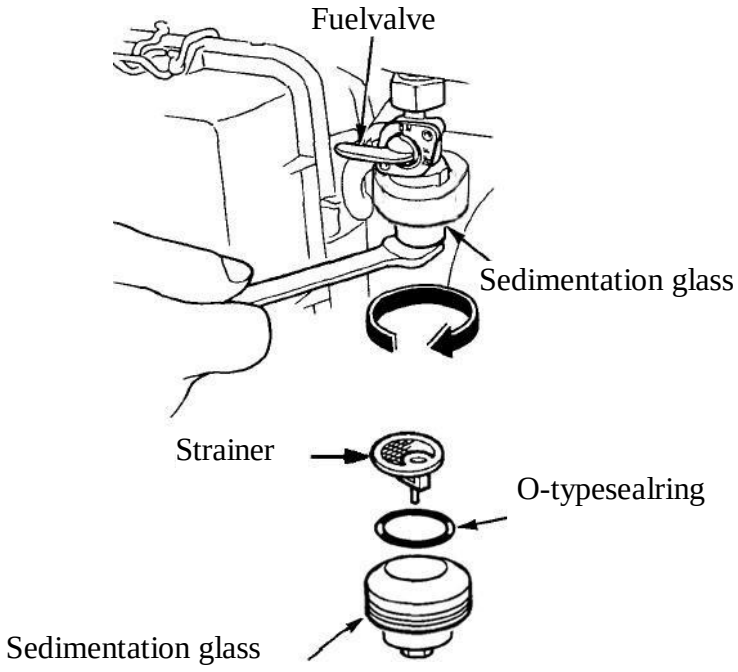
Cleantheairfilter



Theaircleanersystemusesafoamelementthatcanbewashed andreused.

1. Openthecoverwiththe locknut andremovethefoamair filterelement.
2. Washthefoamelementinliquiddetergentandwater,thenrinseincleanwaterandsqueezedry in a clean cloth.
3. Saturatethefoamfilterwith cleanengineoil,remove excessbysqueezingintoadrycleancloth.
4. Refittheairfilterand airfilter cover.

Cleanthefuelbowl



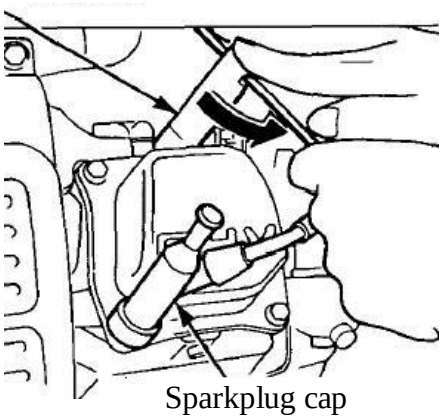
1. Closethefuelvalveandremovethesedimentbowl.TakeouttheO-typesealringandstrainer.
2. Cleanthesedimentbowl,O-typesealringandstrainerwithincombustibleorhigh-flash solvent.
3. ReinstalltheO-typesealringandstrainer,andtightenthesedimentbowl.
4. Openthefuel valveand inspectforleakage.

Maintenance

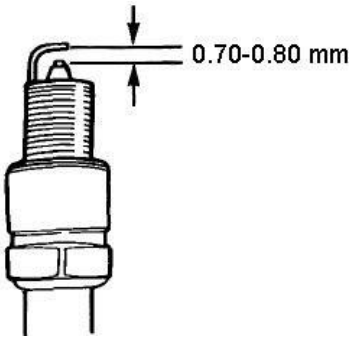
Cleanthesparkplug

Recommendedsparkplugmodels:NGK:BPR7ES.ChampionRN7YC.

Sparkplugsocket spanner



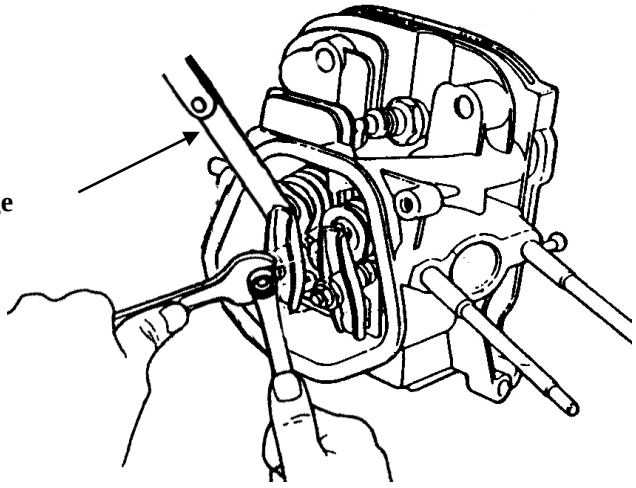
Sparkplug cap



1 Removethespark plugcap.
2 Cleanthesparkplugbase.
3 Removethespark plugwith thespark plugsocket spanner.
4 Inspectthesparkpluginsulatorvisuallyfordamage.If itisdamaged,replace anew one.
5 Measurethespark plugclearancewitha feelergauge.Theclearanceshould bekept between 0.70 and0.80mm.
6 Inspectifthewasher ofthesparkplugisingood condition.
7 Reinstall thesparkplugandtightenitwiththesparkplugsocketspanner.Pressdownthe washer of the spark plug and place the spark plug cap.

Valveclearance(shouldbeconductedbyaprofessionalperson)

Feelergauge



Removethecylindercoverandmeasurethevalveclearancewiththefeelergauge.Theclearances are 0.1mm for the inlet valve and 0.15mm for the outlet valve.

TroubleShootingGuide

Fault	Cause	Action
Theunitcannot start	No fuel	Filltheoil tankwith gasoline
	TheFuelvalveisnotturned on	TurnthefuelvalvetoON
	TheFuel valveis blocked	Cleanthefuelbowl (refertopage 16)
	Noengineoilortheengine oillevelis low	Add oil
	Theengineswitchisturned off	Turntheswitchtothe“on”position
	Thespark plugfails	Cleanorreplacethesparkplug(referto page17)
Thereisnopower output	Thecircuitbreakerisinthe offposition	Turnthecircuitbreakertothe“on” position
	Theplugispoorlycontacted	Removeandrefittheplug.
Theunitshudders duringoperation	Thechokelever position is incorrect	Movethechokelevertothe“open” position duringoperation
Theunitemits white smoke	The temperature oftheengine istoohigh,maybe overloaded	Lettheenginerunwithoutloadformore than 10 minutes
	Thefuelis contaminated	Usefreshcleanfuel
Theunitemits black smoke	Theair filteris dirty	Cleanthefilterelementoftheair filter
	Theload is too heavy	Reduceloadto theratedlimit
The unit emits blue smoke	Theengine oilis overfilled	Drainoiltocorrectlevel
	Theengineoil typeis incorrect	Chooseappropriateengineoilmodel(refer to page11)
Thepower decreases	Thespark plugfails	Cleanorreplacethesparkplug(referto page17)
	Thevalveclearance areout ofadjustment	Adjustthevalveclearance(refertopage 17)

Theenvironmentalconditionrequiredtooperate thegenerator:

- Suitabletemperature:-15℃-40℃.
- Suitablehumidity:lowerthan95%.
- Suitablealtitude:under1,000meters(Thepower loadshouldbereduced wherethe generatoris used at altitudes greater than 1000 meters.)

Thegeneratorunitcanonly beloadedtotheratedpowerunderthespecifiedenvironment conditions. If the environment conditions are inconsistent with the above standards, or if the cooling conditions of the engine and generator unit are poor; for example, when operating inenclosedareas,itisnecessarytoreducethepowerload.Itisalsonecessarytoreducethe power load when the temperature, altitude or relative humidity exceed the standards.

Ifthegeneratordoesnotworkproperlyinoptimalconditions,pleasetaketothenearby dealer or after-sales service center for inspection