HYUNDAI

www.hyundaipower.ca

GreenPower Inverter Series

USER MANUAL

HY1000si
HY2000si
HY3000si

REVIEW MANUAL CAREFULLY TO AVOID PERSONAL INJURY

PREFACE

Thank you for purchasing a Hyundai Portable Generator. Please register your product in order for us to ensure your continuous satisfaction with our product.

This manual covers the safety, operation and maintenance procedures for the HY1000SI and HY2000SI HY3000SI models.

All information in this publication is based on the latest product information available at the time of approval for printing.

If a problem should arise, please contact us by using the contact information at the end of this manual.

It is important that this manual be read and fully understood before operating the generator set. Failure to do so may cause serious injuries or equipment damage.

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1. SAFETY PRECAUTIONS

1.1: SAFETY LABELS

DANGER

This symbol warns of hazards which can result in severe or lethal personal injury.

WARNING

This symbol refers to a hazardous or unsafe practice which has the potential to result in personal injury or product property damage.

CAUTION

This symbol warns of immediate hazards which will result in severe or lethal personal injury.

1.2: OPERATIONS SAFETY

- Operate the generator according to instructions for safe and dependable service.
- Always perform a pre-operation check before starting the engine.
- Properly clean and maintain the equipment.
- Read the user manual carefully before operation. Otherwise, it may result in personal injuries or equipment damage.
- Never run the generator in an enclosed area, since the exhaust emits poisonous carbon monoxide gas.
- Gasoline is a highly flammable and explosive liquid. Refuel in a well ventilated area with the engine stopped.
- Be careful not to touch the exhaust system during operation because it can cause burns.
- Pay attention to the warning labels because the engine exhaust system will become heated during operation and remain hot immediately after the engine is stopped.
- When refueling the generator, keep it away from the ciga-

rettes, open flames, smoke and/or sparks.
- Connections for standby power to a building's electrical system must be done by a qualified electrician and must comply with all applicable laws and electrical codes. Improper connections may cause serious injuries to electrical workers during power outage, and when the utility power is restored, the generator may explode or cause fires.
- Place the generator at least 3ft away from buildings or other equipment during operation.
- Run the generator on a level surface. If the generator tilts, fuel spillage may result.
- Know how to stop the generator quickly and understand operation of all the controls. Never permit anyone to operate the generator without proper instructions.
- Keep children, pets and rotating parts away from the generator during operation.
- Do not operate the generator in rain or snow.
- Do not allow any moisture to come in contact with the generator.
- Do not touch the spark plug while the generator is operating and shortly after the generator has been shut down

1.3: AC SAFETY GUIDELINES

- Before connecting the generator to an electrical device or power cord:
- Make sure that everything is in right working order. Faulty devices or power cords can lead to an electrical shock.
- Turn off the generator immediately if the device begins to operate abnormally. Then disconnect the device and investigate the problem.
- Make sure that the electrical rating of the device does not exceed that of the generator. If the power level of the device is between the maximum output power and the running power of the generator, the generator should not be used for more than 30 minutes.
- The connections from the generator to the household power supply should be done by professional electrical technicians. Improper connections may lead to a fire hazard or damages to the generator set.

1.4: MAINTENANCE SAFETY

- After any maintenance is performed, wash your body immediately using soap and clean water because repeated exposure to lubricant may cause skin irritation.
- Do not clean the filter sponge with flammable fluids like

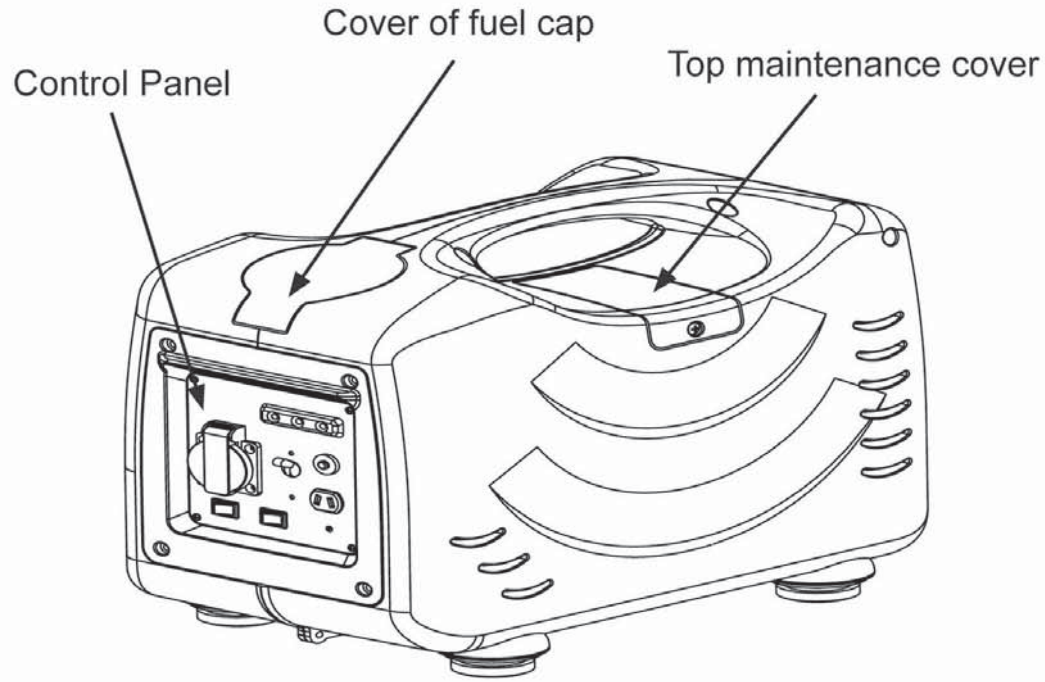
gasoline because explosion may occur.
- Turn off the generator set before performing any maintenance. Otherwise it can cause severe personal injury or death
- Allow the generator set to cool down before performing any maintenance.
- Always wear safety glasses when cleaning the generator set with air.
- Do not clean the generator set with a pressure washer because it can cause damage to the generator set.
- Before working with batteries, ventilate the area, wear safety glasses, do not smoke, and always disconnect the negative cable first and reconnect it last.
- Use rubber gloves when coming into contact with engine oil.
- Always stop the generator set before removing the oil filler cap.
- Only qualified maintenance personnel with knowledge of fuels, electricity, and machinery hazards should perform maintenance procedures.

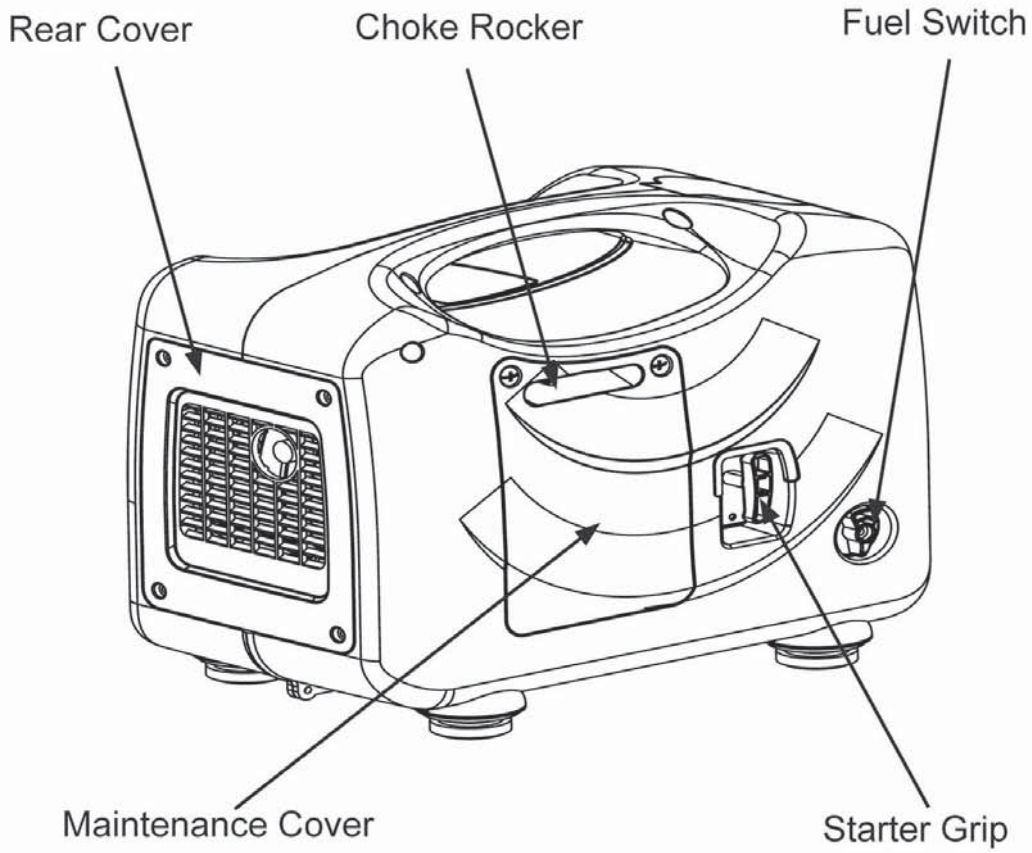
1.5: OTHER SAFETY HAZARDS

- To avoid breathing in poisonous carbon monoxide from the exhaust gases, adequate ventilation should be provided if the generator set is running in a partially enclosed space.
- If the generator set is stored outdoors, check all the electrical components on the control panel before each use. Moisture can damage the generator and can lead to an electric shock.

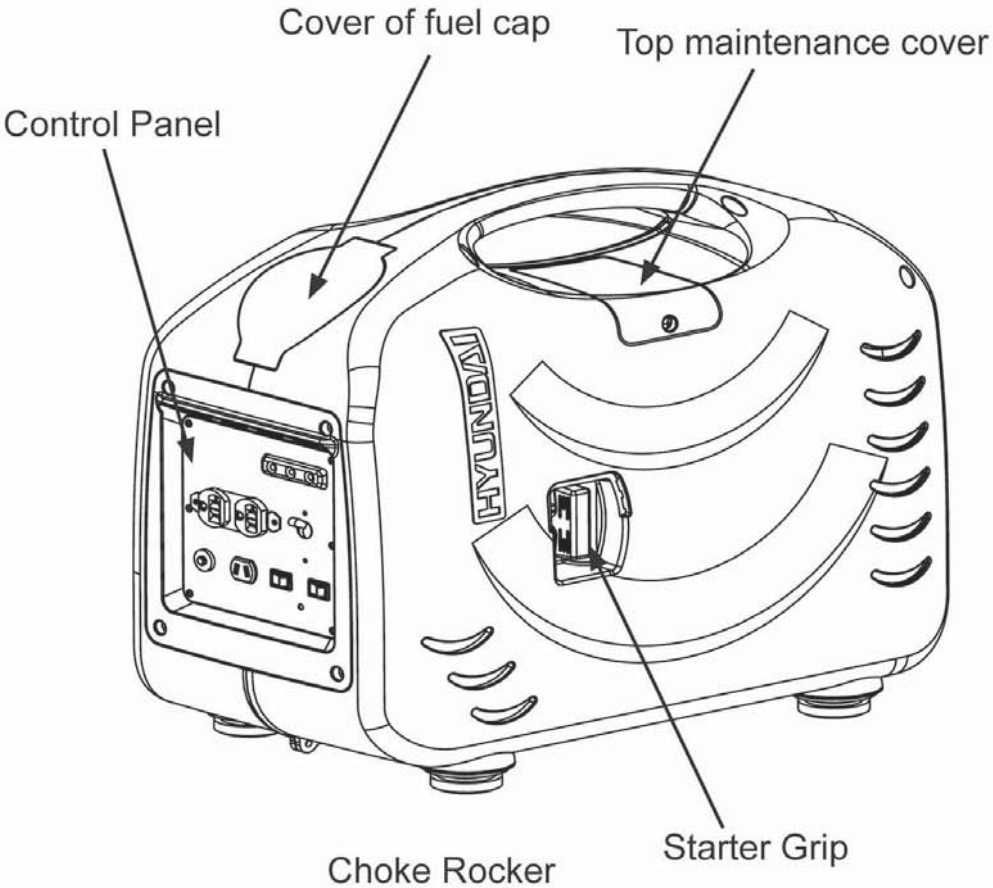
2. IDENTIFICATION OF COMPONENTS

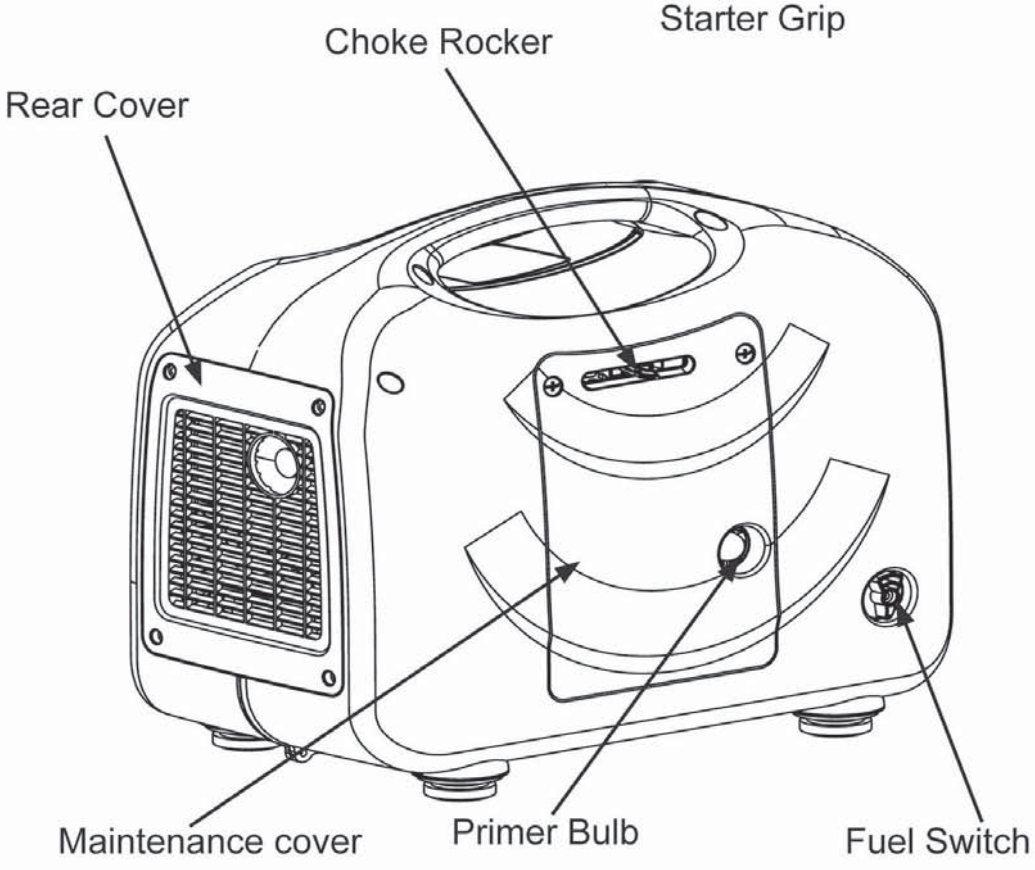
For HY1000Si



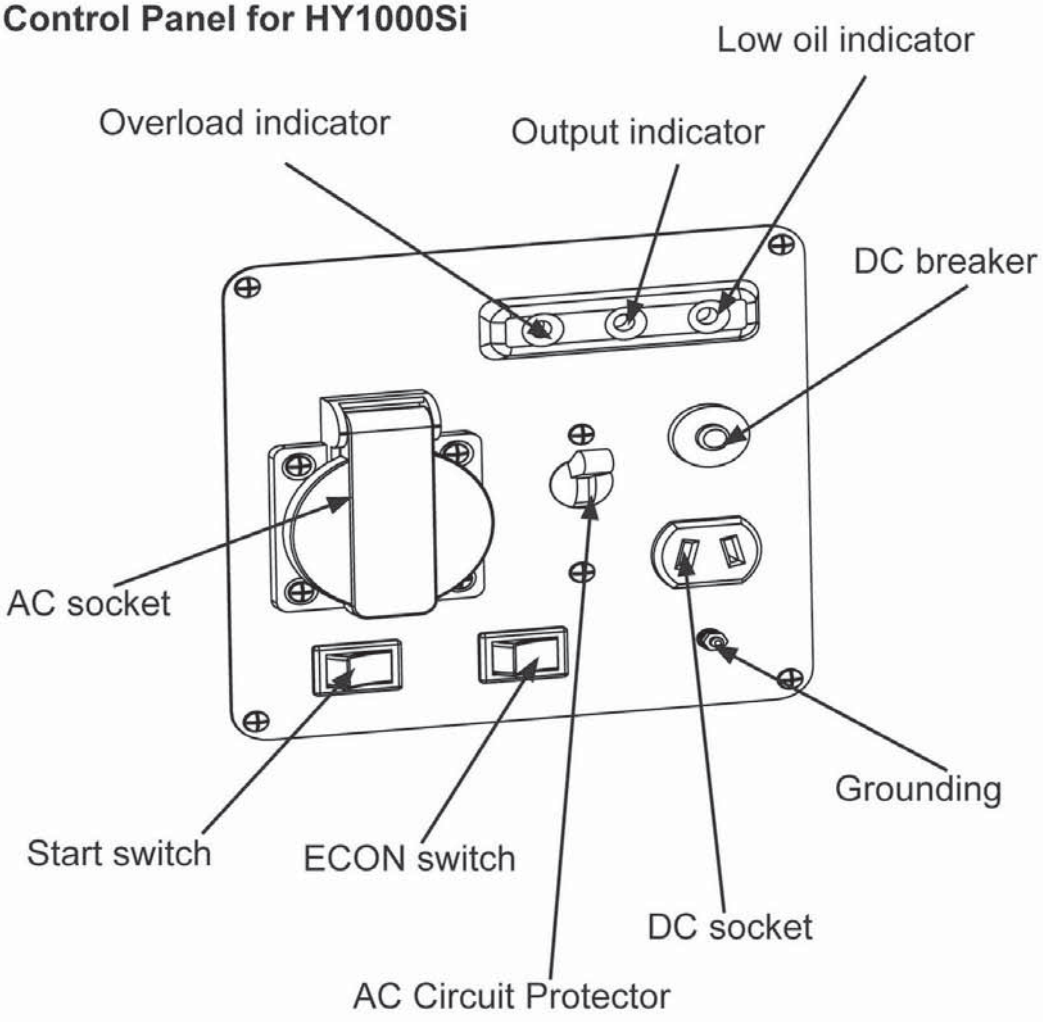


For HY2000Si HY3000Si

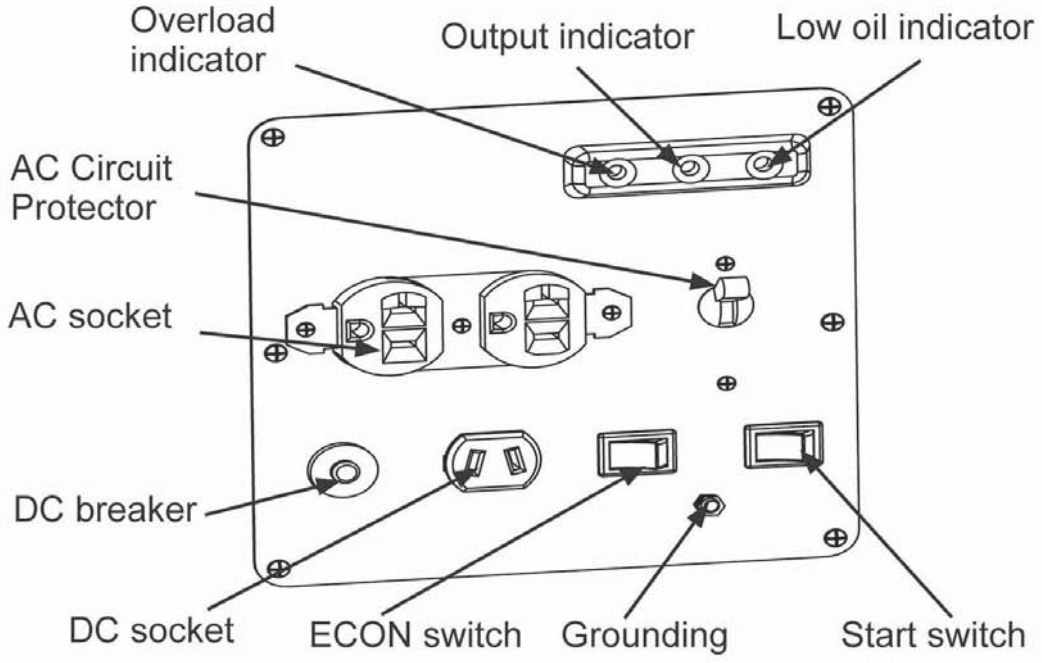




Control Panel for HY1000Si

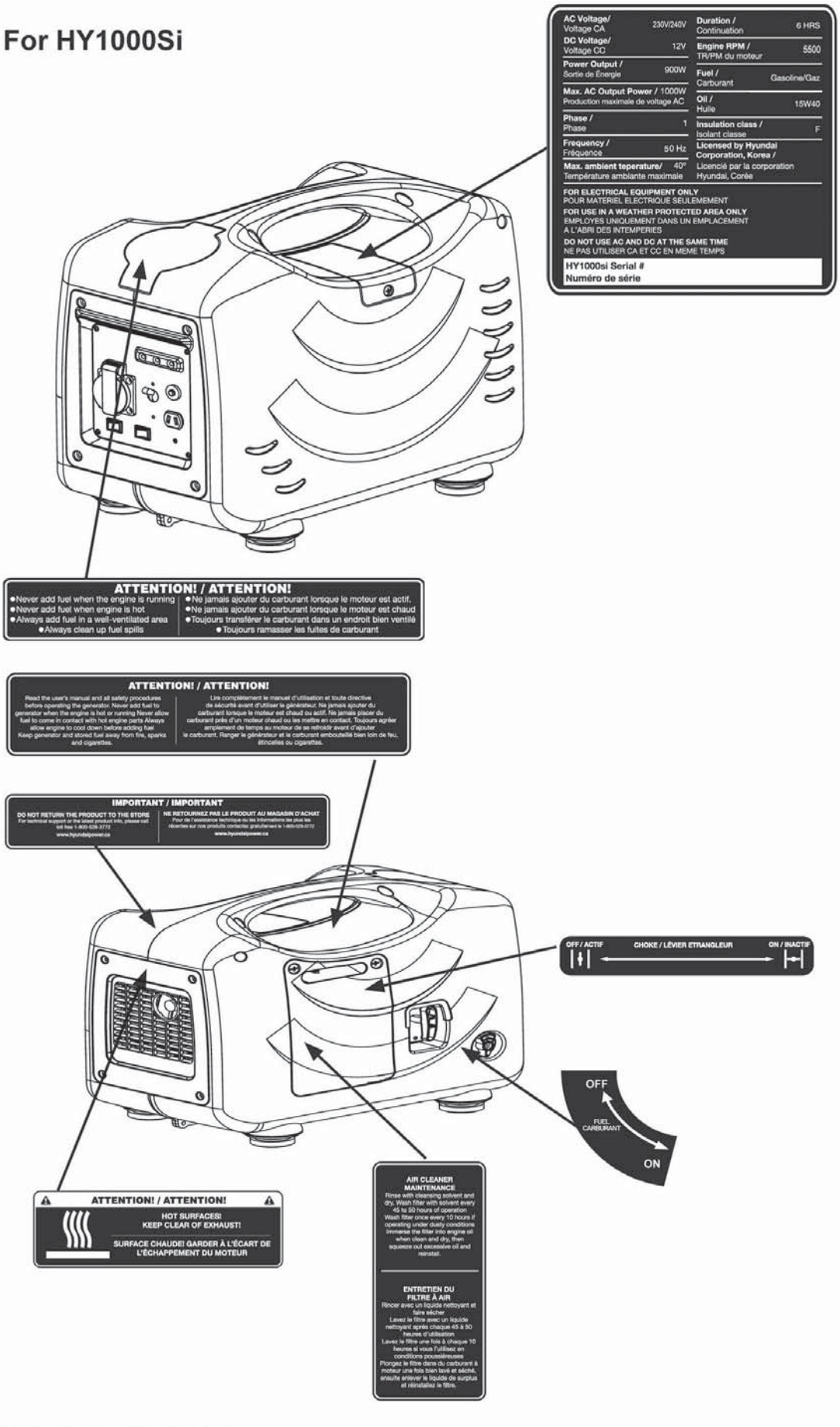


Control Panel for HY2000Si HY3000Si:



Label Placement

For HY1000Si



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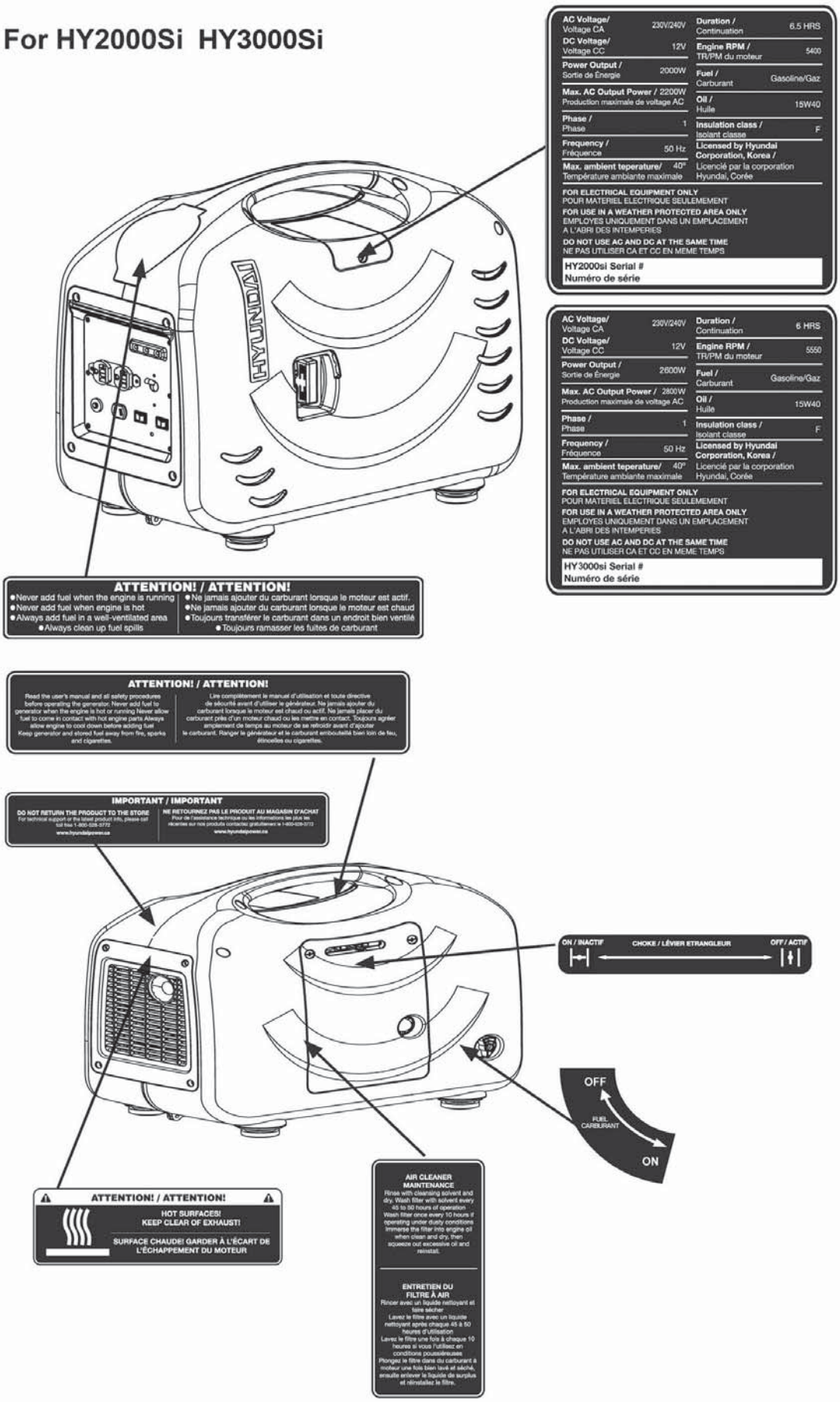
Label Placement

For HY2000Si HY3000Si



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3. PRE-OPERATION INSPECTION

⚠ WARNING

Be sure to check the generator on a level surface with the engine stopped

- Ensure the generator is on a level surface
- **Engine Oil Inspection:**

⚠ WARNING

Using non-detergent oil or 2-stroke engine oil could shorten the generator's life

1. Loosen the cover screws and remove the maintenance cover (Refer to Fig. 3.0 for HY1000Si and Fig. 3.1 for HY2000Si HY3000Si)
2. Remove the oil filler cap and wipe the dipstick clean (Refer to Fig. 3.2 for HY1000Si or HY2000Si HY3000Si)

Check the oil level by inserting the dipstick into the filler neck without rotating it

3. If the level is low, fill to the upper limit of the oil filler neck with the recommended oil
4. Reinstall the maintenance cover and tighten the cover screws

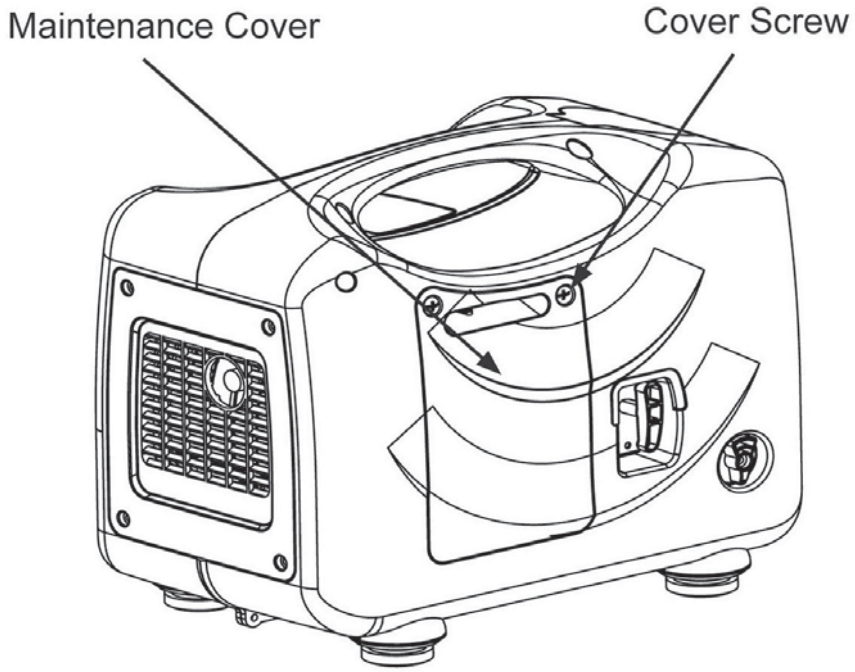


Fig. 3.0

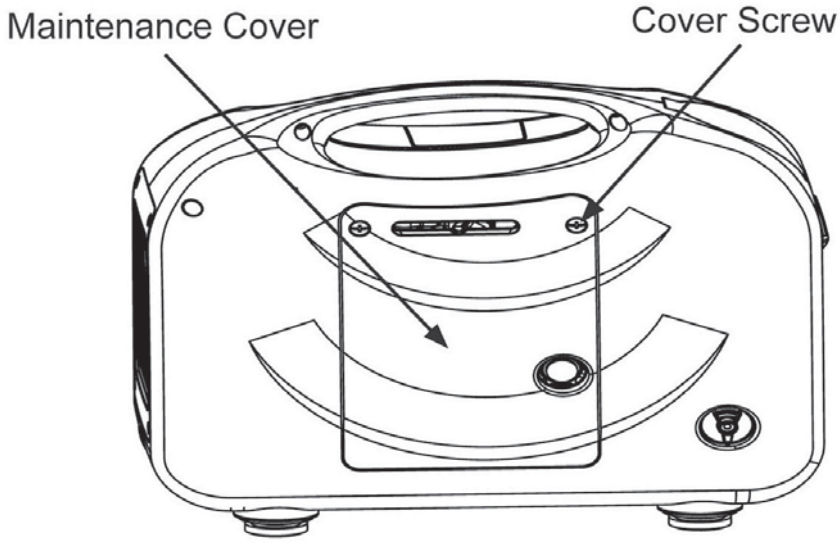


Fig. 3.1

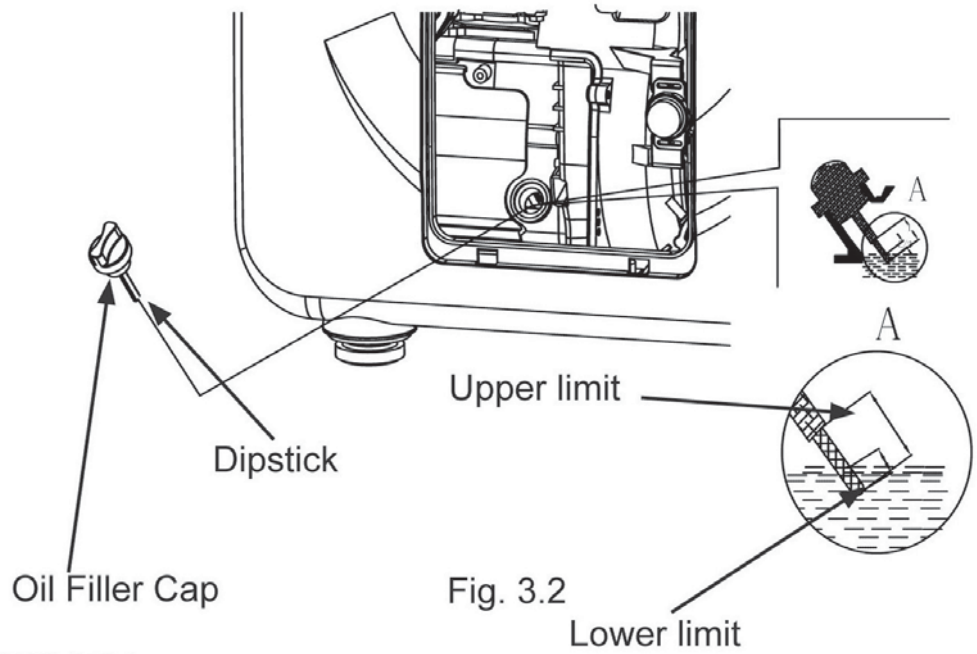


Fig. 3.2

NOTICE
The Oil Alert System will automatically shut off the engine before the oil level falls below the safe limit. However, to avoid the inconvenience of an unexpected shutdown, it is still advisable to visually inspect the oil level regularly.

Fuel level check:
1. Turn the engine start switch to STOP position
2. Open the fuel cap cover. Remove the fuel cap and check the fuel level
3. Refill the fuel tank if the level is low. Refuel carefully to avoid

spilling fuel. Do not fill above the upper limit mark (Refer to Fig. 3.3)

CAUTION

-Gasoline is highly flammable and explosive. Keep the engine away from heat, spark and open flame
-Refuel in a well-ventilated area with the engine stopped
-Handle fuel only outdoors
-Wipe up spills immediately
-Avoid getting dirt, dust or water in the fuel tank

CAUTION

-Never use an oil/gasoline mixture or dirty gasoline
-Don't use fuel containing alcohol. Fuel system damage or engine performance problems will result from the use of fuels that contain alcohol
-Avoid repeated or prolonged contact with skin or breathing of fuel vapor

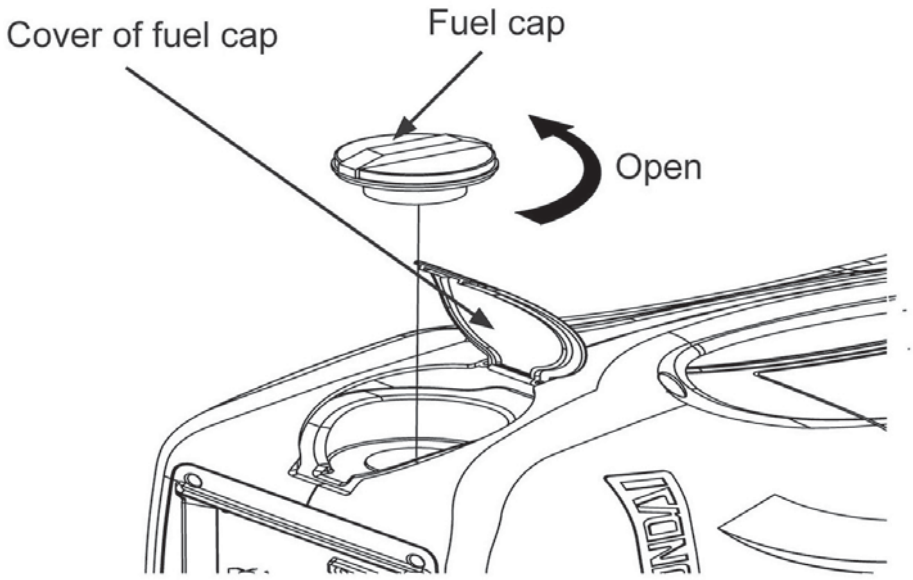


Fig. 3.3

Check the air filter:

> **WARNING**
>
> Never run the engine without the air filter. Rapid engine wear will result from contaminants, such as dust and dirt, being drawn through the carburetor, into the engine.

1. Loosen the cover screws, nuts and remove the maintenance cover. Remove the air filter cover and the air filter sponge (Refer to Fig. 3.4)
2. Observe the sponge for cleanliness
3. Clean sponge with soap and water or solvent. Squeeze dry and then soak in clean engine oil. Squeeze out all excess oil and reinstall.
4. Replace the sponge if it is damaged

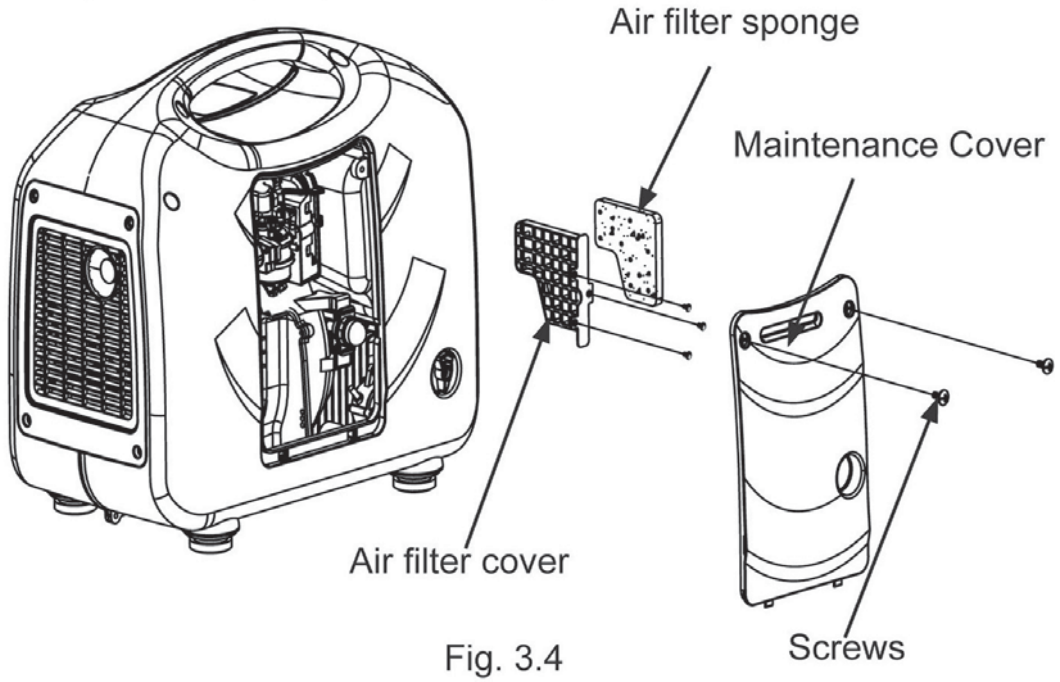


Fig. 3.4

4. OPERATION
4.1: STARTING THE GENERATING SET

NOTICE
-A hot engine will not start if there is too much gasoline in the cylinder. If this happens, wait for 5 to 10 minutes for the engine to cool down before starting
-The engine will stop automatically when it is out of gasoline

1. Rotate the fuel switch to the ON position according to the arrow direction. (Refer to Fig. 4.0 for HY1000Si and Fig. 4.1 for HY2000Si HY3000Si)

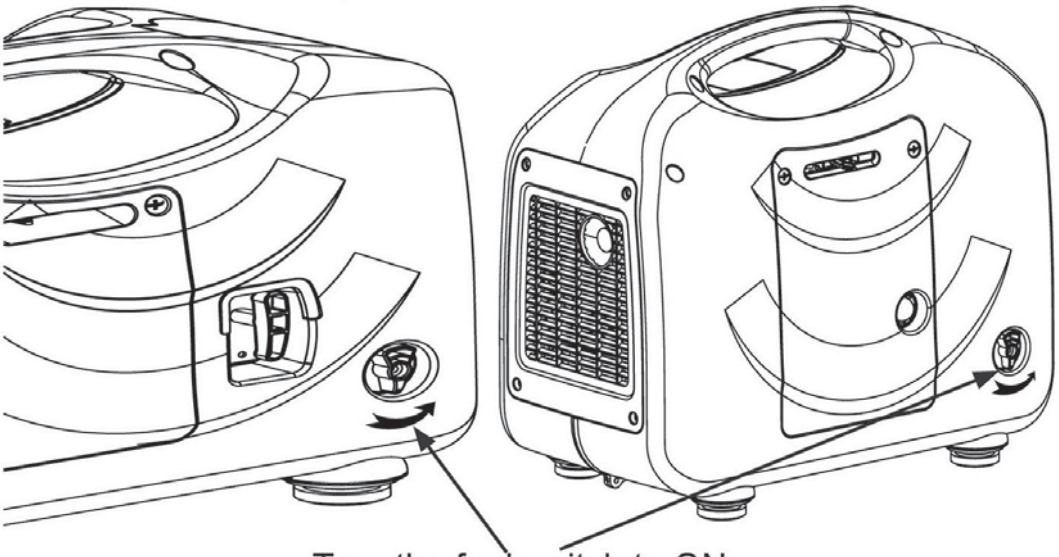


Fig 4.0 Fig. 4.1

2. If the engine is cold, move the choke rocker to the CLOSE position. Refer to Fig. 4.2 for HY1000Si and Fig. 4.3 for HY2000Si HY3000Si

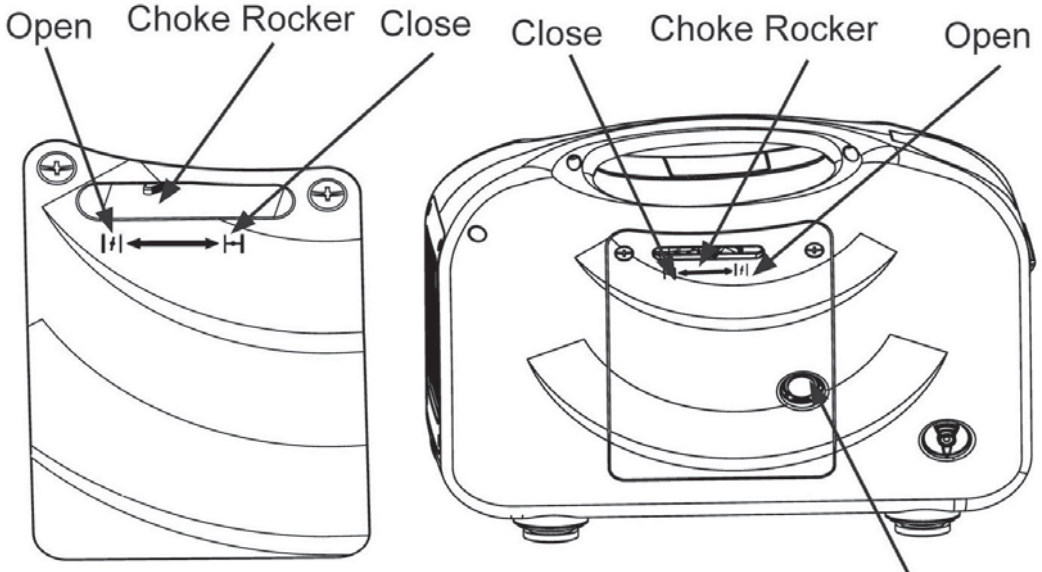


Fig. 4.2 Fig. 4.3

3. Press the start switch to the RUN position (Refer Fig. 4.4 for HY1000Si and Fig. 4.5 for HY2000Si HY3000Si)

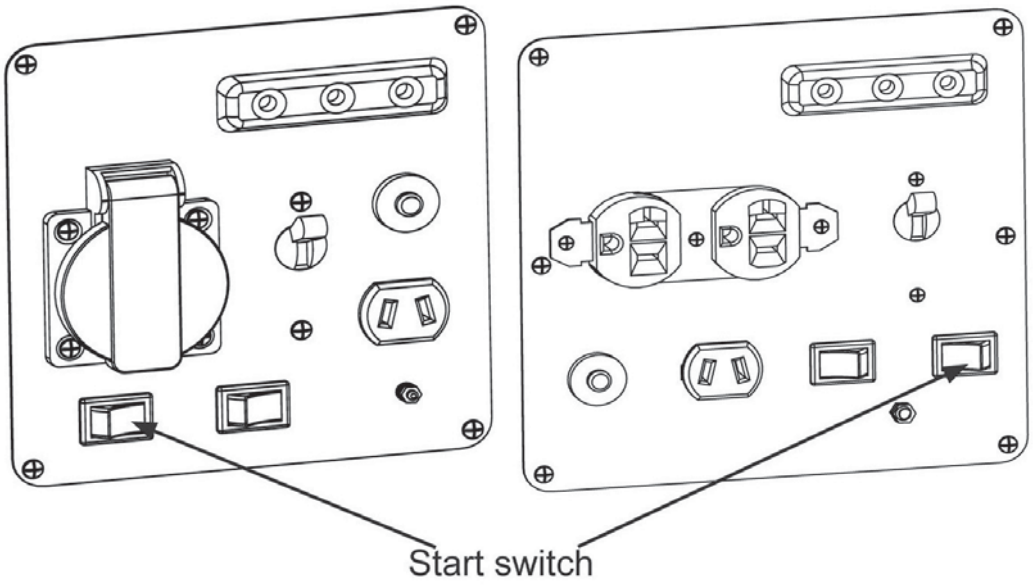


Fig. 4.4 Fig. 4.5

4. Pull slightly on the starter grip until you feel resistance and then pull briskly. (Refer to Fig. 4.6 for HY1000Si and Fig. 4.7 for HY2000Si HY3000Si)

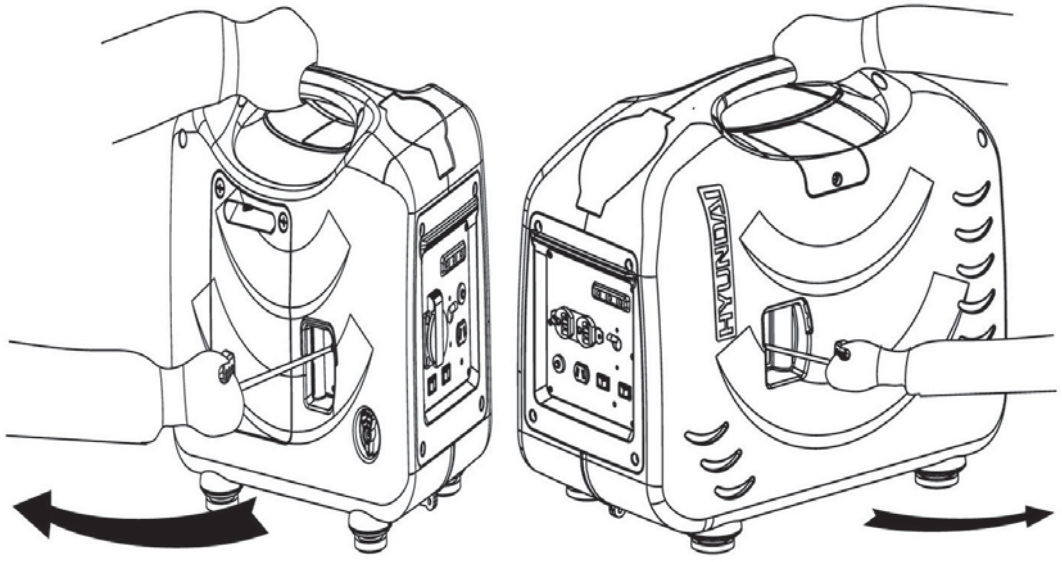


Fig. 4.6 Fig. 4.7

5. After the engine warms up (above 50°F), slowly turn the choke rocker to the OPEN position.

⚠ WARNING

-Do not allow the starter grip to snap back. Return it slowly by hand
-Grasp the carrying handle firmly to prevent the generator from falling over when pulling the starting grip

NOTICE
-If the engine stops and will not restart, check the engine oil level before troubleshooting other areas
-Make sure the ECON switch is OFF before turning on the connected device

Primer Bulb (For HY2000Si HY3000Si only)
The primer bulb is used for bringing small amounts of gasoline to the throat opening of the carburetor. The problem is that sometimes generator cannot start because the fuel cannot reach the carburetor (Refer to Fig. 4.3)

Procedure for using the primer bulb
a) Set the choke rocker in the OPEN position
b) Push the primer bulb 15 to 20 times
c) Move the choke rocker to the CLOSE position and start the engine

4.2: USING THE GENERATOR SET

⚠ WARNING

Connections for standby power to a building's electrical system must be done by a qualified electrician and must comply with all applicable laws and electrical codes. Improper connections may cause serious injuries to electrical workers during power outage, and when the utility power is restored, the generator may explode or cause fires.

⚠ WARNING

-To prevent electrical shock from faulty appliances, the generator should be grounded
-Limit operation requiring maximum power to 30 minutes
-Do not exceed the current limit specified for any one receptacle
-Do not connect the generator to a household circuit

⚠ WARNING

-Do not modify or use the generator for other purpose than it is intended for.
-When an extension cable is required, be sure to use a rubber sheathed flexible cable
-Limit length of extension cables: 60 m for cables of 1.5mm^2 and 100 m for cables of 2.5 mm^2

⚠ WARNING

-Keep the generator away from other electric cables or wires such as distribution network
-The DC receptacle can be used while the AC power is in use. If you use both at the same time, be sure not to exceed the total power for AC and DC

⚠ WARNING

-Before connecting a device to the generator, make sure the electrical rating of the device does not exceed the electrical rating of the generator
-Be sure the device is turned off before plugging in the power cord

⚠ WARNING

-When the output indicator light (green) is OFF and the overload indicator light (red) is ON, press the start switch to the STOP position, stop the engine at once and then start the engine again.

NOTICE
-When the device requires a large starting power, the overload indicator light (red) and the output indicator light (green) may be ON together for a short period, but this is no abnormality. After the device starts, the overload indicator light (red) will go out and the output indicator light (green) will stay ON.

GROUND TERMINAL
Before using generator, a ground wire must be connected to the ground terminal.

Before using the ground terminal, consult a qualified electrician. (Refer to 4.8 for HY1000Si and Fig. 4.9 for HY2000Si HY3000Si)

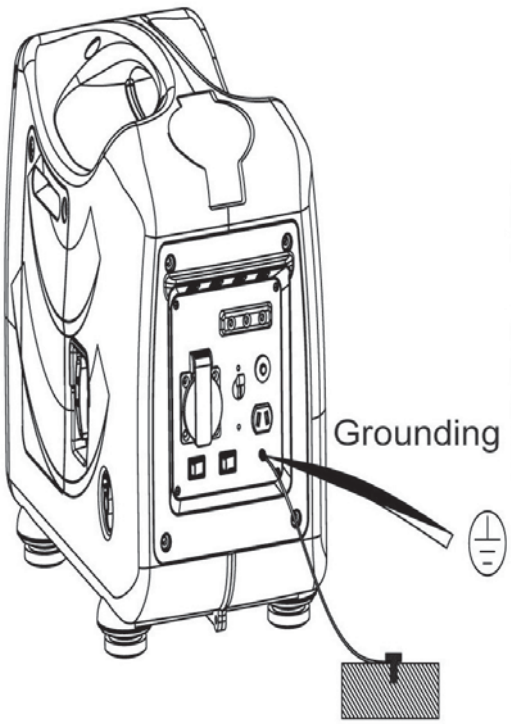


Fig. 4.8

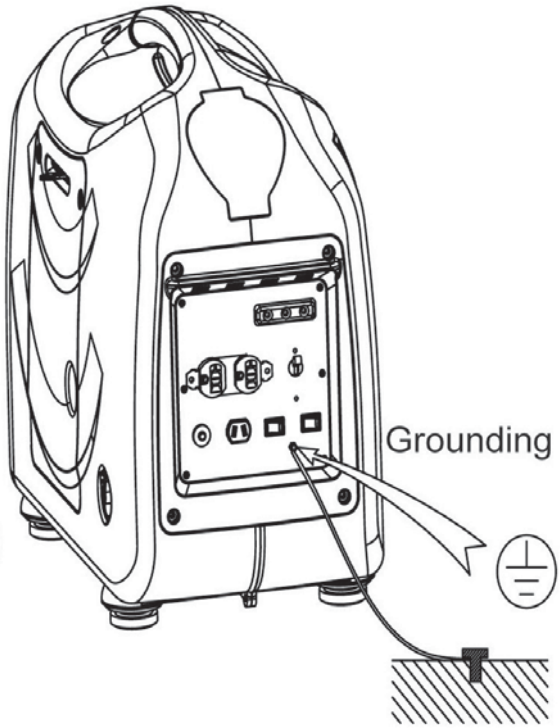


Fig. 4.9

For AC Operation

1. Turn off the switches of the device before connecting to the generator
2. Start the generator and make sure the output indicator lights (green) come on. (Refer to Fig. 4.10 for HY1000Si and Fig. 4.11 for HY2000Si HY3000Si)

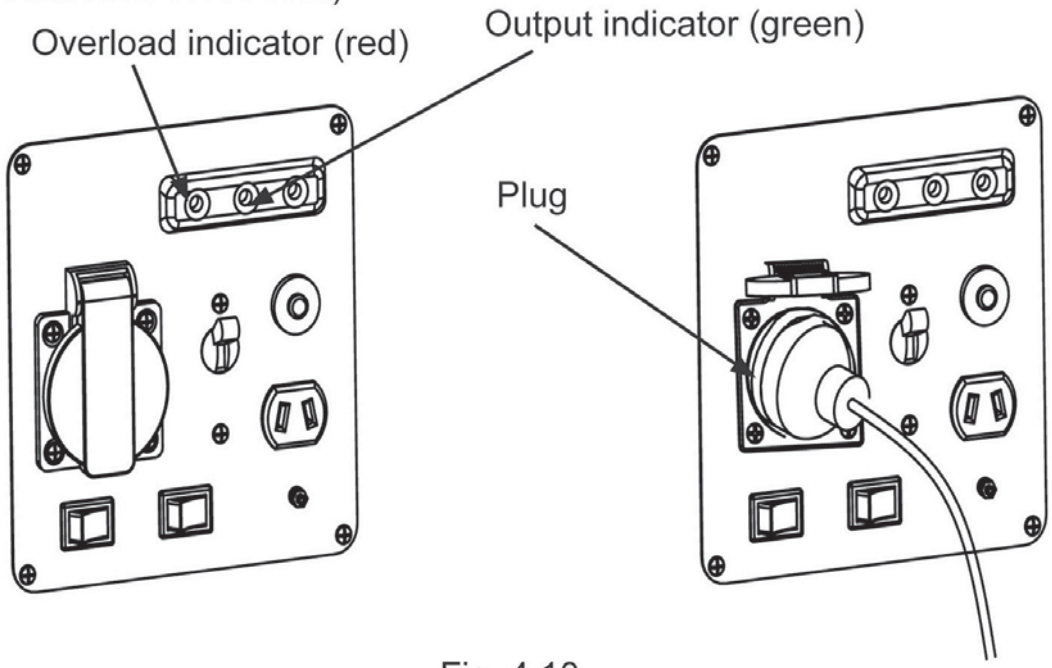


Fig. 4.10

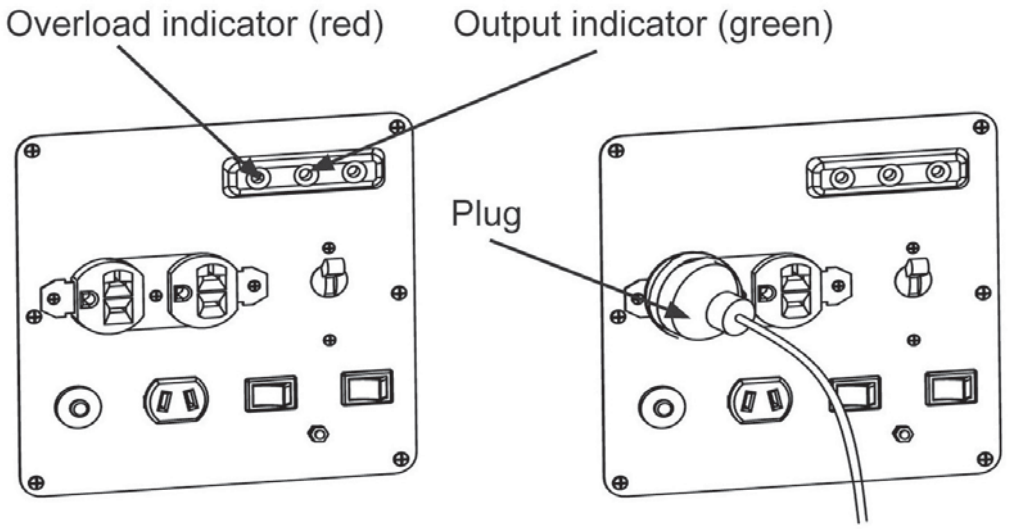


Fig. 4.11

NOTICE:
-Under normal operating conditions, the output indicator light (green) will be ON
-If the generator is overloaded (in excess 100W), or if there is a short circuit in a connected device, the overload indicator light (red) will go ON.
-If the oil level falls below a safe limit, the low oil indicator light (red) comes on and the engine will be automatically stopped. If the engine stops or the low oil indicator light comes on when you pull the starter grip, check the engine oil level before troubleshooting in other areas. (Refer to 4.12 for HY1000Si and Fig. 4.13 for HY2000Si HY3000Si)

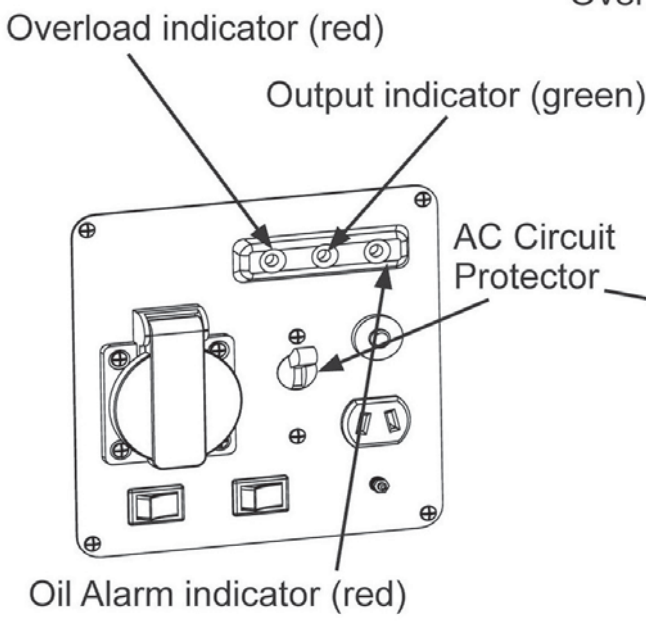


Fig. 4.12

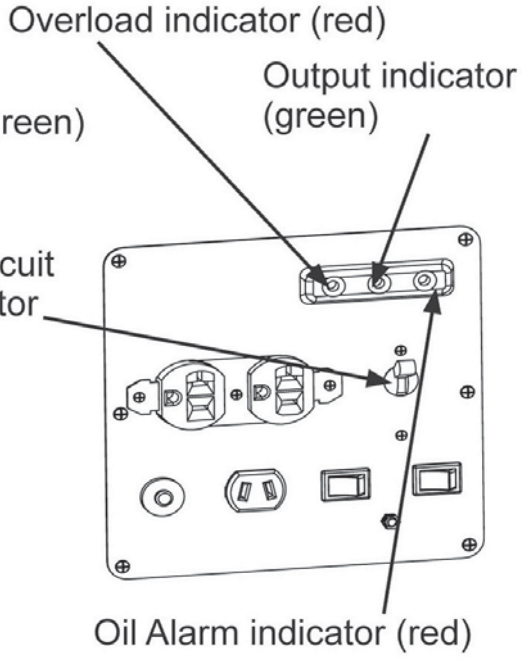


Fig. 4.13

3. Plug the power cord of the device into the AC socket, turn on the AC circuit protector, and turn on the device. (Refer to Fig. 4.10 for HY1000Si and Fig. 4.11 for HY2000Si HY3000Si)

For DC Operation

NOTICE:
-The DC socket is only used for charging a 12V battery. (Refer to Fig. 4.14 for HY1000Si and Fig. 4.15 for HY2000Si HY3000Si)
-When using the DC socket, turn the ECON switch to the OFF position. (Refer to Fig. 4.14 for HY1000Si and Fig. 4.15 for HY2000Si HY3000Si)

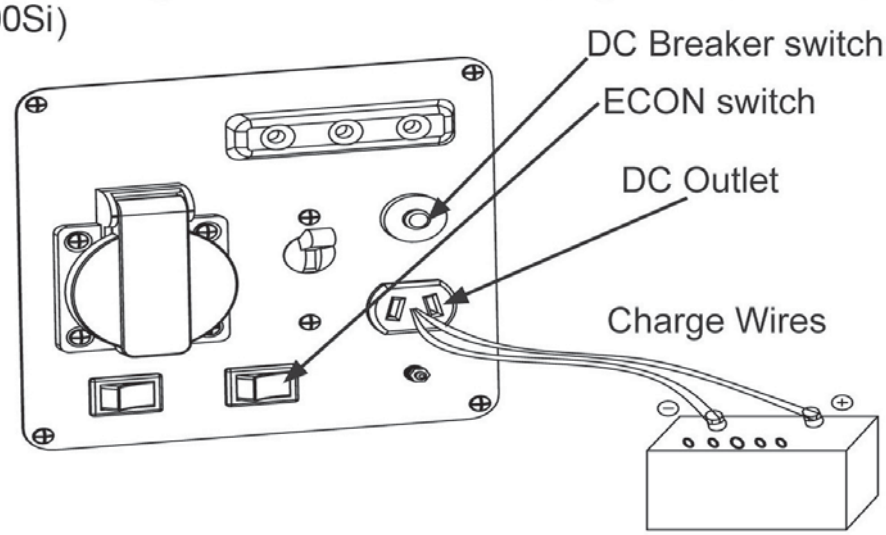


Fig. 4.14

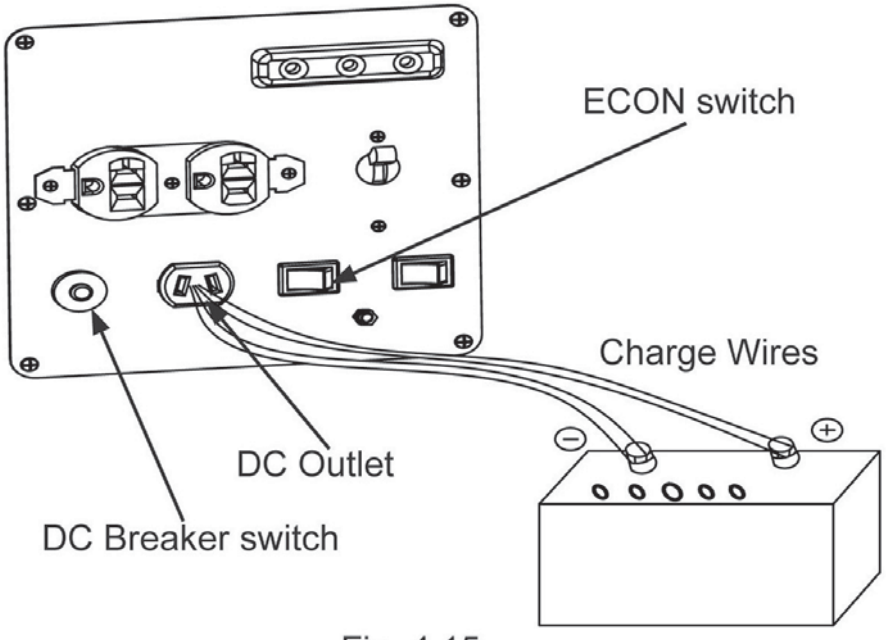


Fig. 4.15

1. Press the ECON switch to the OFF position
2. Connecting the battery charging cable

a) Connect the battery charging cable to the battery

b) Plug the charging wires into the DC outlet of the generator.

⚠ WARNING

-The battery gives off explosive gases; keep sparks, flames and cigarettes away. Provide adequate ventilation when charging or using batteries
-Battery posts, terminals, and related accessories contain lead components. Wash hands after handling

c) Connect the positive (red) terminal of the charging wire to the positive (+) battery terminal and negative (black) terminal of the charging wire to the negative (-) battery terminal

3. Press the start switch to RUN position
4. Press the DC breaker switch to ON position (Refer to Fig. 4.12 for HY1000Si and Fig. 4.13 for HY2000Si HY3000Si)
5. Start the generator

4.3: STOPPING THE GENERATOR SET

For HY1000Si/HY2000Si HY3000Si (AC Operation)

1. Turn off the device and unplug devices from the generator receptacles
2. Press the start switch to the STOP position
3. Rotate the fuel switch to the OFF position (in the clockwise direction)

NOTICE
Be sure the fuel SWITCH is in the OFF position and the start switch is in the STOP position when stopping, transporting and/or storing the generator

For HY1000Si/HY2000Si HY3000Si (DC Operation only)

NOTICE
An overloaded DC circuit, excessive current draw by the battery, or a wiring problem will automatically trip (turn off) the DC breaker switch. If this happens, wait a few minutes before pressing the breaker switch to the ON position to resume operation. If the breaker switch continues to go OFF, discontinue charging and contact your authorized dealer.

Disconnecting the charging wire
1. Stop the engine
2. Disconnect the negative (black) terminal of charging wire from the negative (-) battery terminal
3. Disconnect the positive (red) terminal of the charging wire from the positive (+) battery terminal
4. Disconnect the charging wire from the DC Receptacle of the generator

5. MAINTENANCE

5.1: Importance of Maintenance

Proper maintenance is important because it will ensure safe, economical and trouble-free operation. It will also reduce air pollution. Improper maintenance may cause the generator to malfunction and can lead to serious injuries or death.

5.2: Maintenance Schedule

⚠ WARNING

-Shut off the engine before performing any maintenance. When the engine is running, make sure the area is well ventilated. The exhaust contains poisonous carbon monoxide gas.

⚠ WARNING

-Use authorized parts or their equivalent. The use of replacement parts which are not equivalent quality may damage the generator

NOTE: Some of these maintenance techniques can be dangerous and should be performed by a qualified technician

For HY1000Si/HY2000Si HY3000Si:

In order to maintain good performance and extend the service life of the generator, period inspection and adjustments should be done based on the following maintenance schedule:

Item	Maintenance	Each using time	1st month or 20 hours	Each quarter or 50 hours	Every 6 months or 100 hours	Every year or 200 hours
Engine Oil	Check level	•				
	Change		•		•	
Air Filter	Check	•				
	Clean			•(refer to notice 1)		
Spark Plug	Check-adjust				•	
	Replace					•
Valve clearance	Check-readjust					•(refer to notice 2)
Combustion chamber	Clean	After every 300 hrs (refer to notice 2)				
Fuel tank and Filter	Clean				•(refer to notice 2)	
Fuel line	Cleaning	Every 2 years (Replace if necessary) (Refer to notice 2)				

NOTICE:
1. Service more frequently when used in dusty areas
2. Should be serviced by an authorized dealer

5.3: Air Filter Service

1. Loosen the cover screws nuts and remove the maintenance cover
2. Remove the air filter cover
3. Remove the air filter sponge (refer to Fig. 5.0)
4. Check the filter sponge to make sure that it is clean and in good condition. If the sponge is dirty, clean it as described in Fig. 5.1. Replace the sponge if it is damaged

To clean the sponge:

1. Clean the sponge in warm soapy water or nonflammable solvent, rinse, and allow to dry thoroughly
2. Dip the sponge in clean engine oil and squeeze out all excess oil. The engine will smoke when started if too much oil is left in the filter.
3. Wipe dirt from the air filter cover using a moist rag.

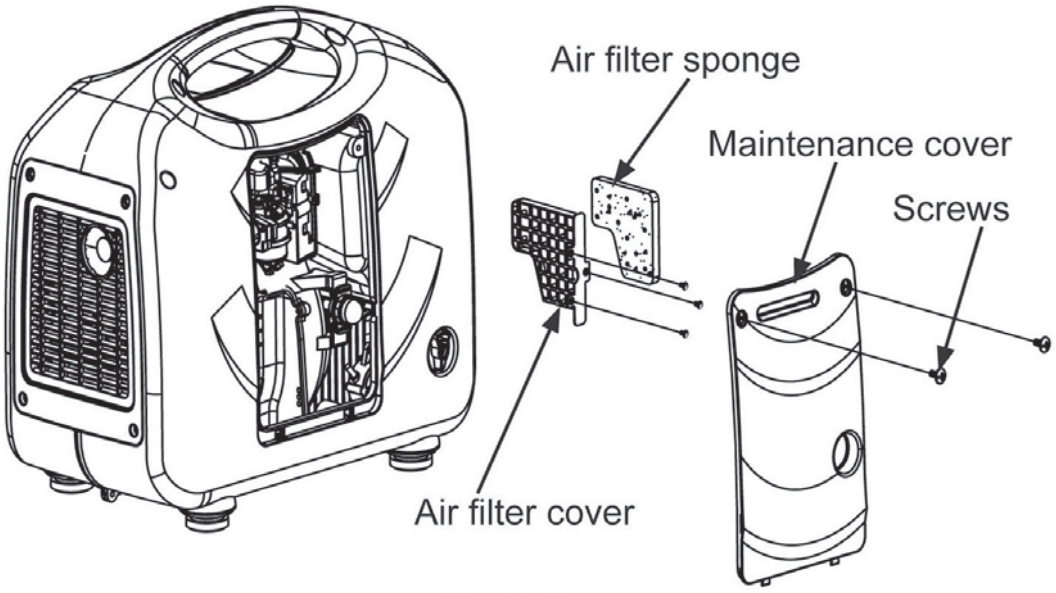


Fig. 5.0

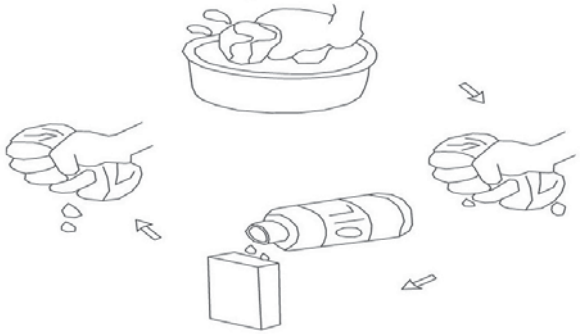


Fig. 5.1

4. Reinstall the sponge and the air filter cover

5. Close the maintenance cover with screws

5.4: Changing Engine Oil

⚠ WARNING

-Make sure the start switch is in the STOP position before draining
-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.

⚠ WARNING

-Do not use gasoline for cleaning since it is flammable and explosive under certain conditions.

1. Press the start switch to the STOP position and make sure the fuel cap is fully closed.
2. Loosen the cover screws and remove the maintenance cover
3. Place a container next to the engine to catch the used oil (Refer to Fig. 5.2 for HY1000Si and Fig. 5.3 for HY2000Si HY3000Si)
4. Remove the oil filler cap/dipstick and drain the oil into the container by tilting the generator

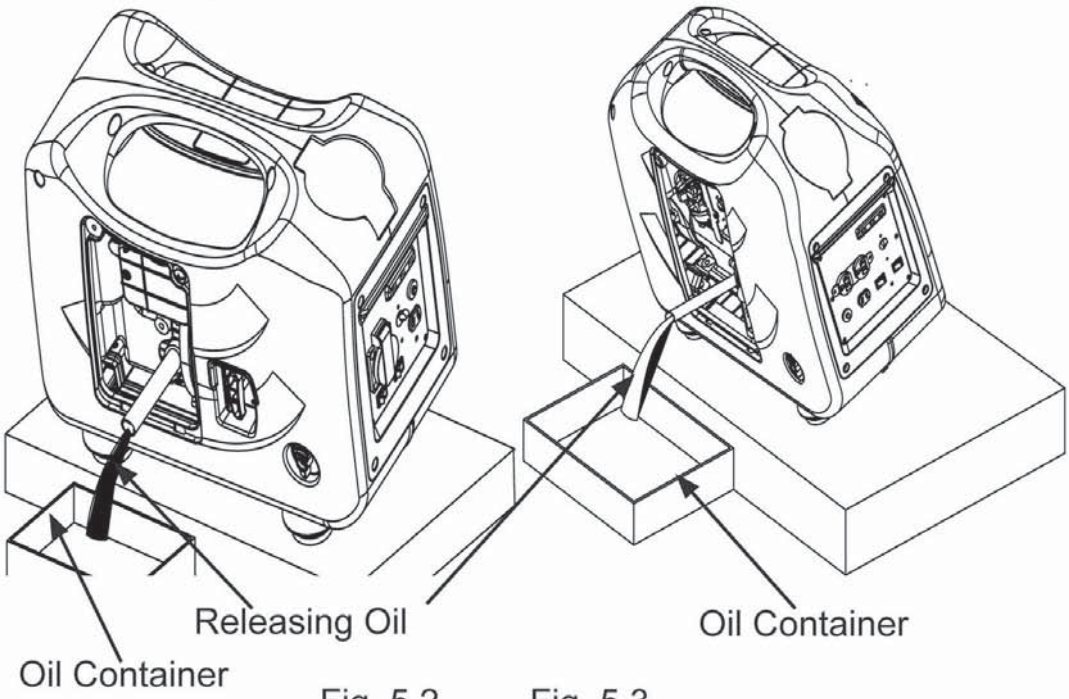


Fig. 5.2

Fig. 5.3

5. With the engine in a level position, add oil to the upper level mark (Refer to Fig. 5.4)

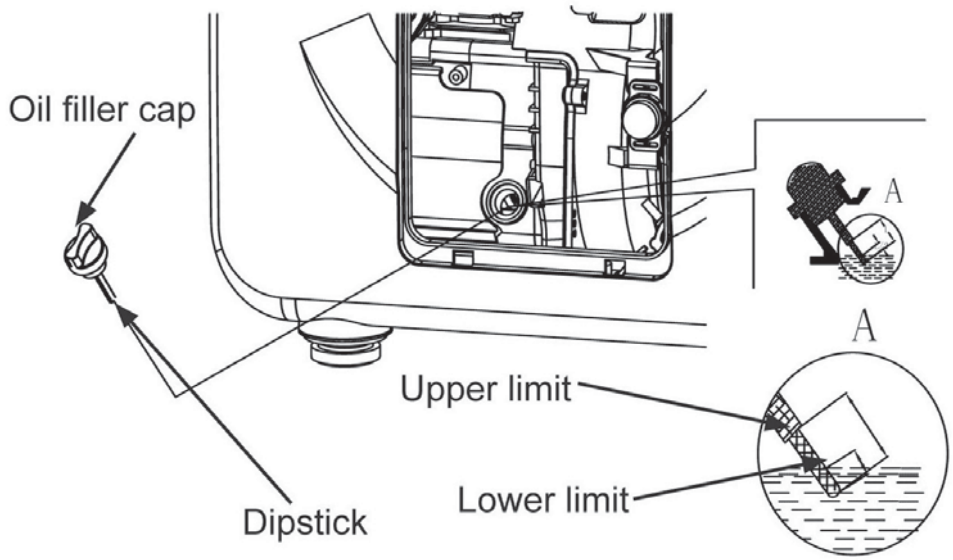


Fig. 5.4

6. Reinstall the oil filler cap/dipstick securely.
7. Reinstall the maintenance cover and tighten the cover screws securely.

5.5: Spark Plug Service

1. Remove the top screw and the top maintenance cover (Refer to Fig. 5.5 for HY1000Si and Fig. 5.6 for HY2000Si HY3000Si)

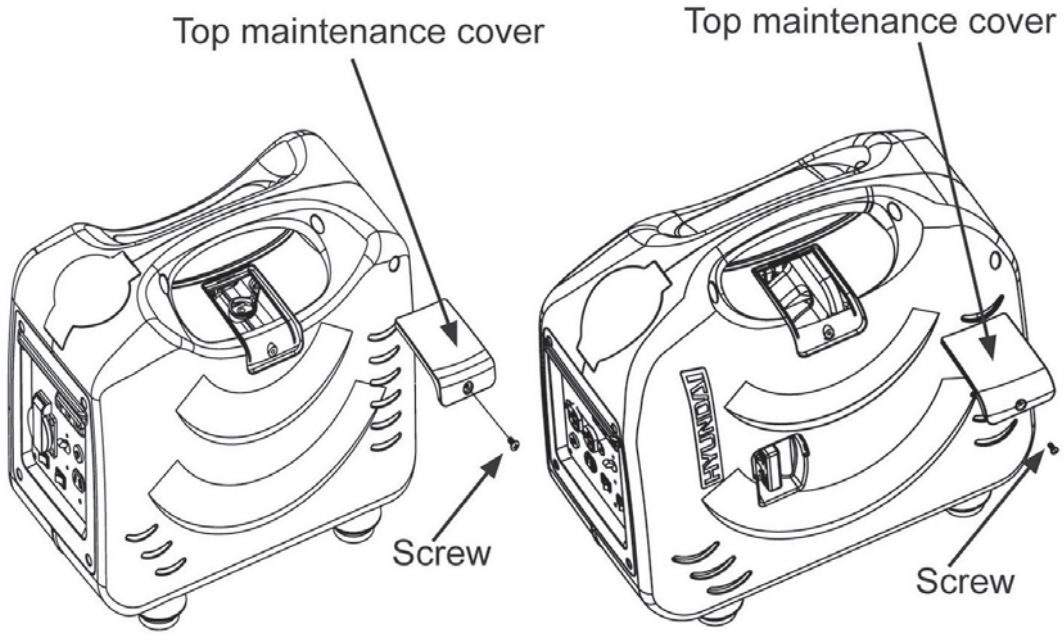


Fig. 5.5 Fig. 5.6

2. Remove the ignition coil (Refer to Fig. 5.7 for HY1000Si and Fig.

5.8 for HY2000Si HY3000Si)

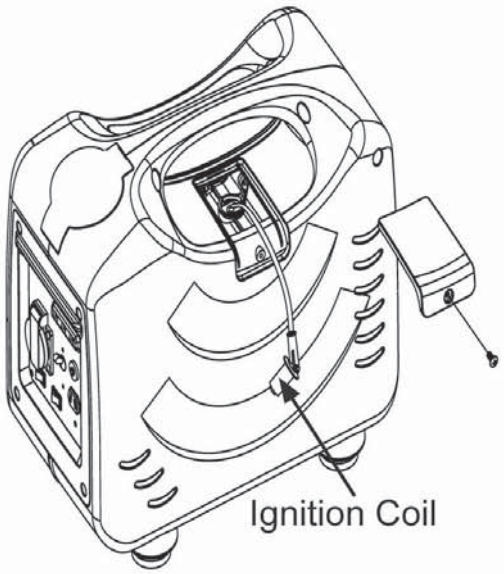
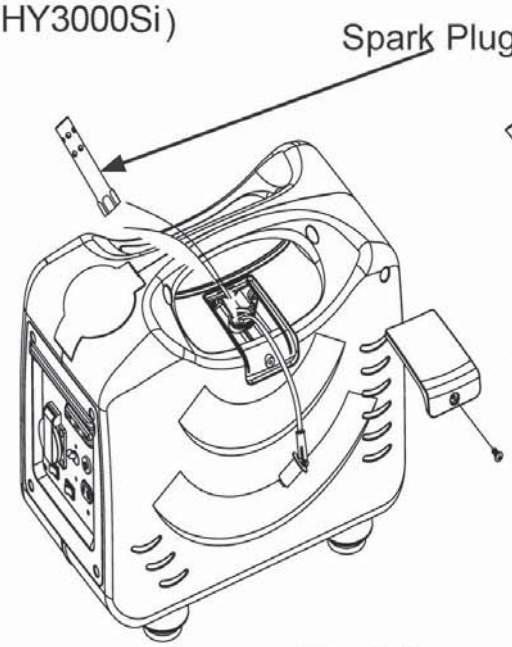


Fig. 5.7 Fig. 5.8

3. Clean any dirt and debris around the spark plug base
4. Use a wrench to remove the spark plug (Refer to Fig. 5.9 and Fig. 5.11 for HY1000Si, Fig. 5.10 and Fig. 5.12 for HY2000Si HY3000Si)



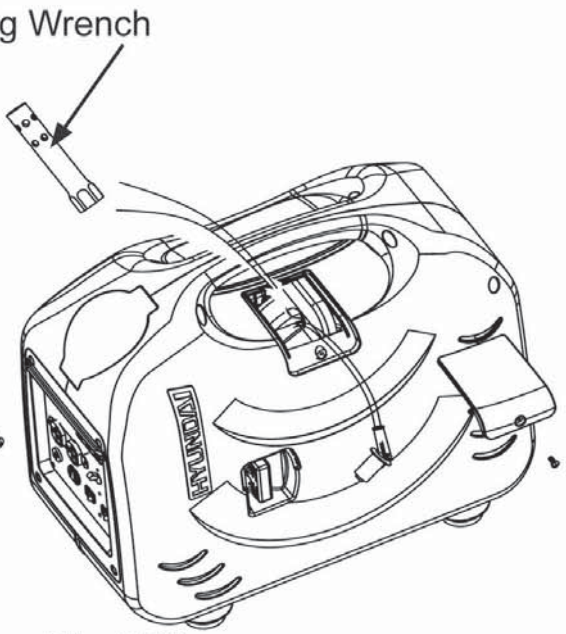


Fig. 5.9 Fig. 5.10

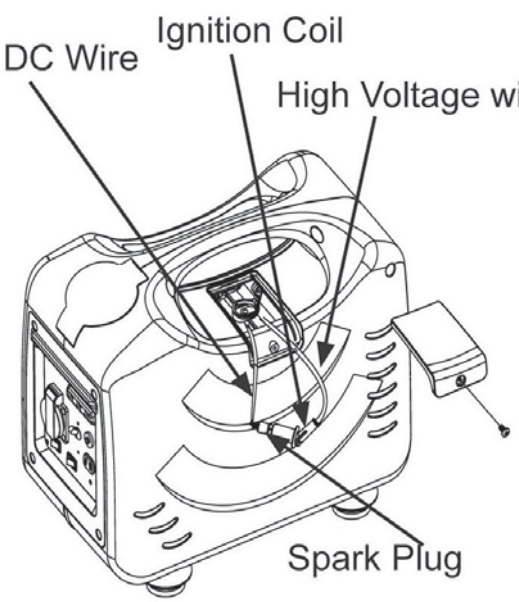


Fig. 5.11

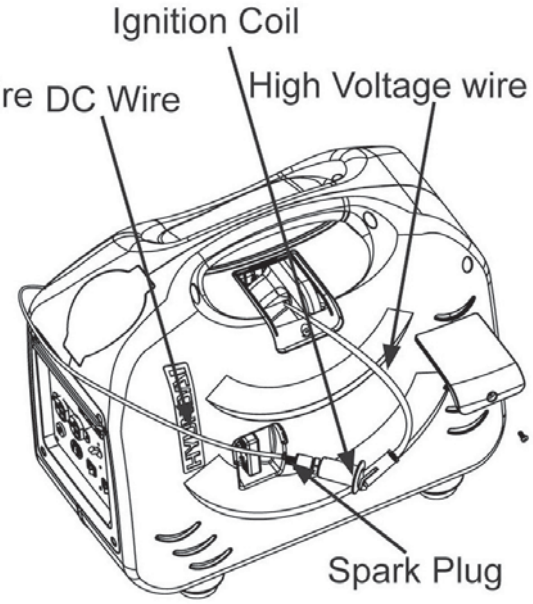


Fig. 5.12

5. Visually inspect the spark plug. Clean the spark plug with a brush if it is to be reused.
6. Measure the plug gap with a feeler gauge. The gap should be 0.7 to 0.8 mm (0.028 to 0.031 inch). Correct as necessary by carefully bending the side electrode (Refer to Fig. 5.13)

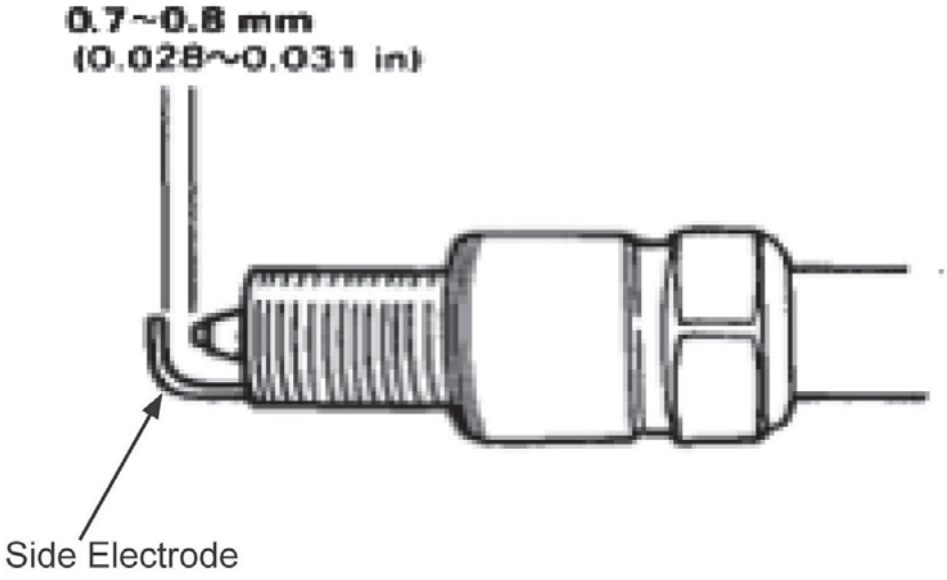


Fig. 5.13

7. Install the correctly gapped spark plug back into the original position.
8. Reinstall the ignition coil securely
9. Close the top maintenance cover and tighten the screw

⚠ WARNING

The spark plug must be securely tightened. An improperly tightened plug can become very hot and possibly damage the generator

⚠ WARNING

-Never use a spark plug with an improper heat range
-Never use a spark plug without damping resistance, or it will cause no AC output.

5.6: Transportation & Storage

⚠ WARNING

-Gasoline is extremely flammable and explosive under certain conditions
-Do not smoke or allow flames or sparks in the area

When transporting the generator:

- Do not overfill the tank
- If the generator has been used, allow it to cool for at least 15 minutes before loading it on the transport vehicle
- To prevent fuel spillage, the generator should be secured upright in its normal operating condition, with the start switch in the STOP position.
- Do not drop or strike the generator when transporting.
- Do not place heavy objects on the generator.

Storage Procedure

1. Drain the gasoline. Unscrew the fuel tank cap, remove the debris screen under the cap, and empty the fuel tank into an approved gasoline pot. Rotate the fuel switch to the ON position (Refer to Fig. 4.0 for HY1000Si and Fig. 4.1 for HY2000Si HY3000Si).
2. Start the generator and operate it in the idle position until all remaining fuel is gone and the engine stops automatically. (Refer to

Fig. 5.14 for HY1000Si and Fig. 5.15 for HY2000Si HY3000Si)

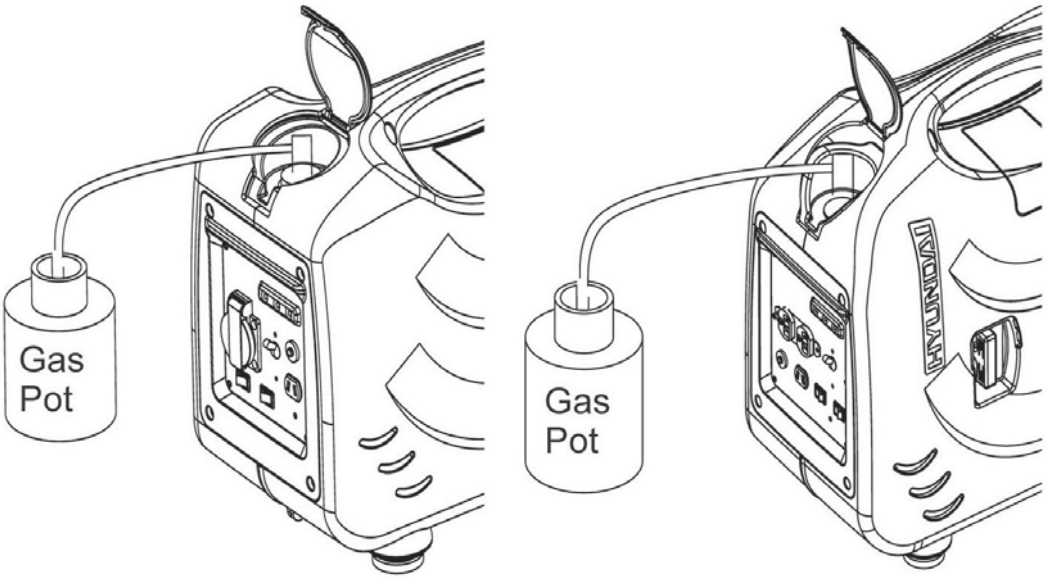


Fig. 5.14 Fig. 5.15

3. Discharge Oil

a) Press the start switch to the STOP position and make sure the fuel cap is fully closed.

b) Loosen the cover screws and remove the maintenance cover

c) Place a container next to the engine to catch the used oil

d) Remove the oil filler cap/dipstick and drain the oil into the container by tilting the generator

e) Remove the screw, top maintenance cover and the spark plug.

f) Fill the spark plug orifice with 2 cc's (about a tablespoon) of fresh oil. Pull the start motor 3-4 times to distribute the oil.

g) Reinstall the spark plug, top maintenance cover and screw securely

h) Pull the starter grip slowly until you feel resistance, then return the starter grip gently. This closes the valves so moisture cannot enter.

6. TROUBLESHOOTING

WARNING

-Many troubleshooting procedures present hazards which can result in severe personal injury or death. Only trained and experienced service personnel with knowledge of fuels, electricity, and machinery hazards should perform service procedures. Review Safety Precautions.

WARNING

-A hot generator can cause severe burns. Always allow the generator set to cool before performing any maintenance service.

If the engine doesn't start:
--Make sure there is no spilled fuel around the spark plug
-If the engine still doesn't start, have the generator repaired by a licensed repair person

Problem	Recommended Action
Not Enough Fuel	Add fuel
Start switch and fuel valve not ON	Turn them to the ON position
Not enough lubricating oil	Add more oil
No fuel in the carburator	Start a few times to ensure fuel enters the carburator
Spark plug not working	Replace spark plug
	Send generator to authorized dealer

If the device that connects the generator doesn't start:

Problem	Recommended Action
Both the Output indicator light and the Overload indicator are no ON	Send the generator to an authorized dealer
If the Output indicator light is ON, but device doesn't work after plugging in directly	Restart if the overload indicator is off. If it doesn't work, send the generator to an authorized dealer
Both the Output indicator light and the Overload indicator light are ON, but device has no defects	Send the generator to an authorized dealer
Both the Output indicator light and the Overload indicator light are ON, but device has no defects	Send the generator to an authorized dealer

If there is no power in the direct current electric outlet:

Problem	Recommended Action
Electric circuit breaker is not intact	Replace the electric circuit breaker
Electric circuit breaker is intact	Send the generator to an authorized dealer

Deficient AC Output:

Problem	Recommended Action
Dirty air filter	Clean or replace air filter sponge
Improper gasoline	Replace gasoline
	Send generator to authorized dealer

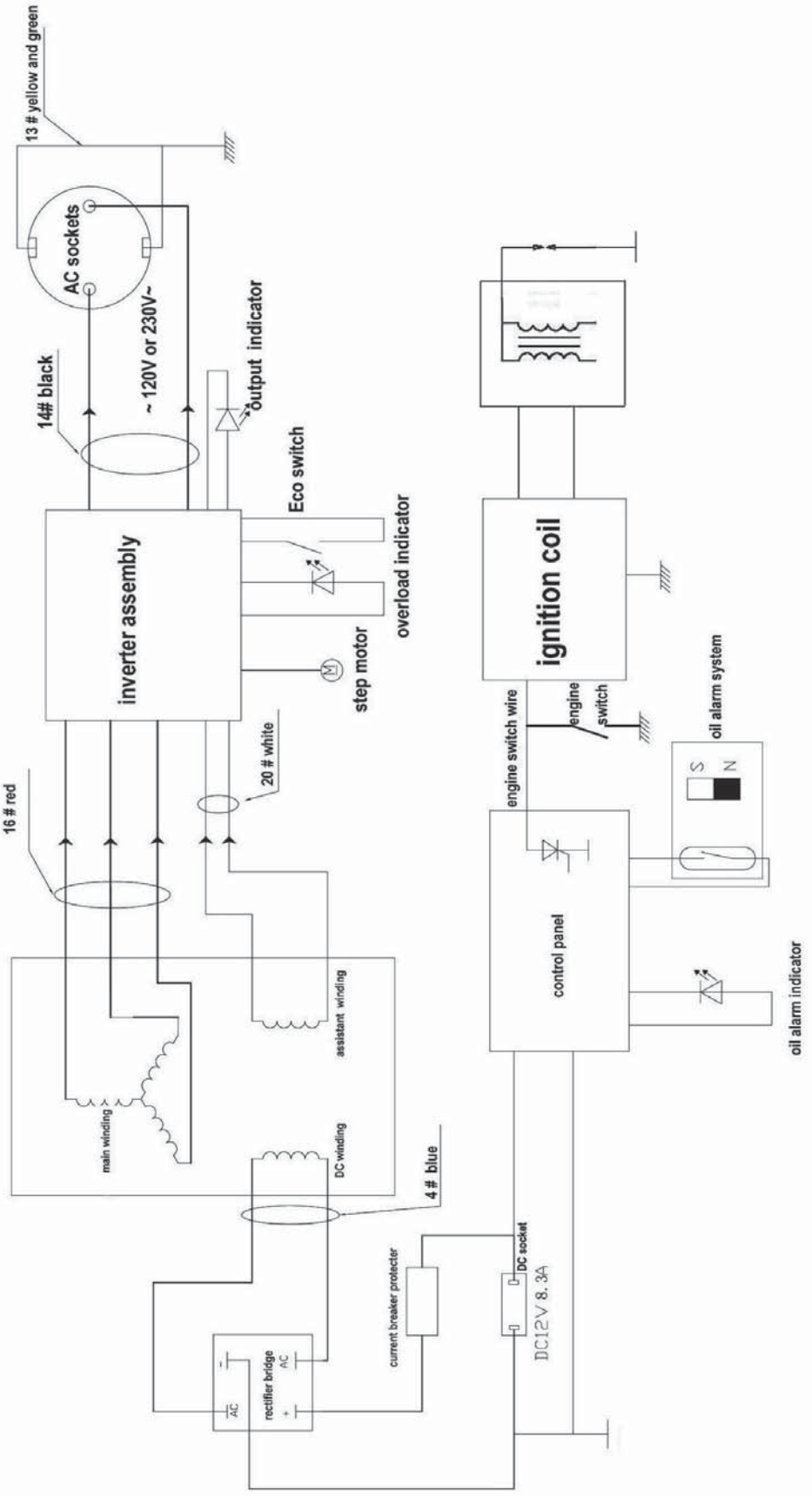
7. SPECIFICATIONS & DATA

HY1000i		
GENERATOR	Type	Digital Inverter / Sine Wave
	Frequency	50Hz
	Rated AC Output Power (kW)	0.9
	Max AC Output Power (kW)	1
	Voltage	220V/230V/240V
ENGINE	Model	XG142F
	Type	OHV, Forced-Air Cooling, single cylinder, 4 stroke, Gasoline engine
	Bore x Stroke (mm x mm)	43.5 x 36
	Displacement (cc)	53
	Rated Power (kw)	1.2/5000rpm
	Ignition mode	T.D.I
	Recommended fuel	Unleaded Gasoline
	Fuel tank capacity (L)	2.7
	Fuel consumption (h)	420g/kw.h
	Engine oil capacity (L)	0.25 (15W40)
	Starting system	Pulling recoil starting
	Continuous work time (hours)	4.5
	Noise level (7m)	60 (7m)
STANDARD FEATURES	Indicator light	O
	AC Overload Protector	O
	AC Socket	O
OPTIONAL FEATURES	DC Socket (12v/8.3A)	"T" or "V" Type
	DC Protector	O
DIMENSIONS	Packing dimensions (mm)	495 x 305 x 415
	N.W (kg)	14
	G.W (kg)	16

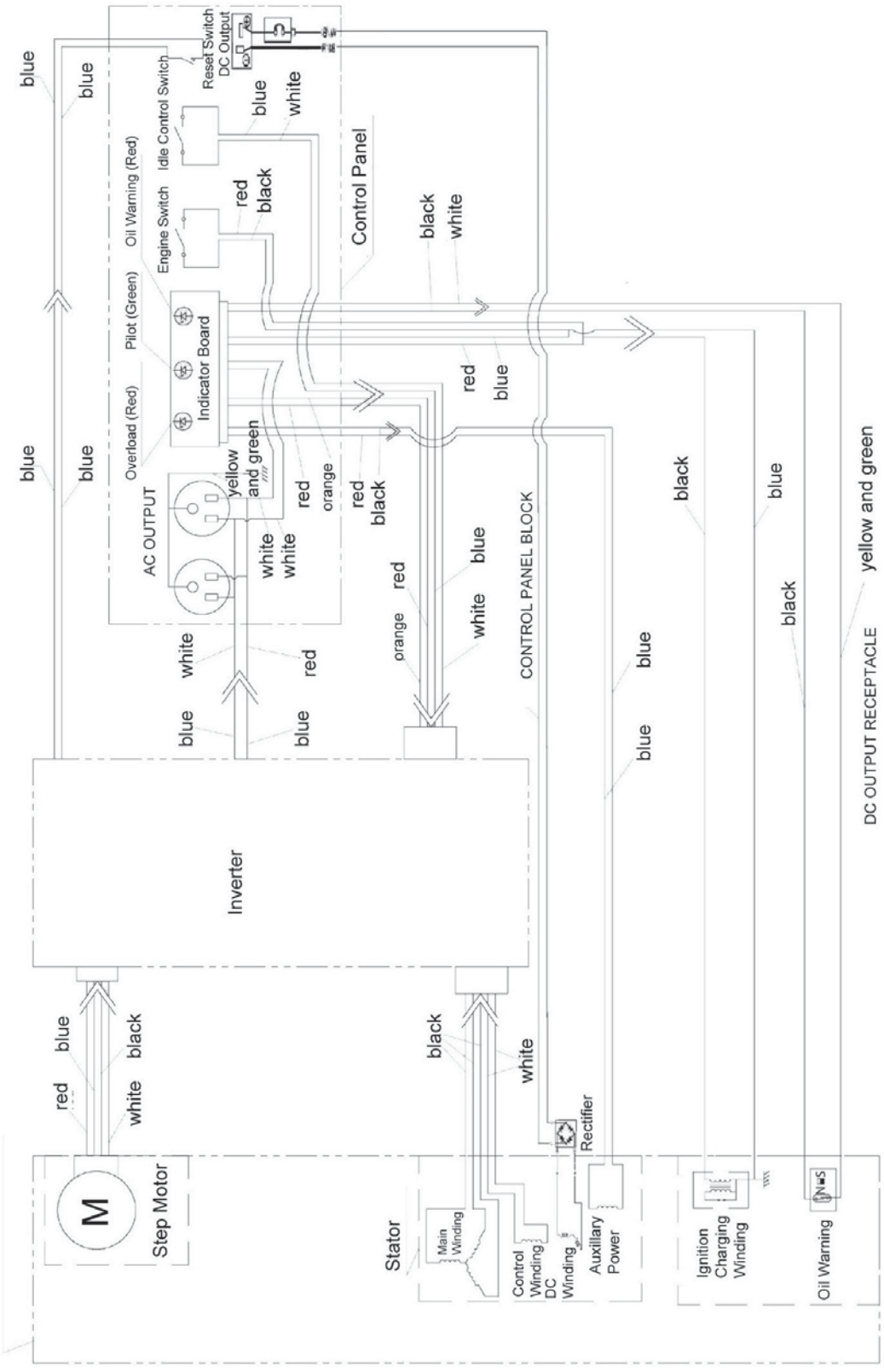
		HY2000Si HY3000Si
GENERATOR	Type	Digital Inverter / Sine Wave
	Frequency	50Hz
	Rated AC Output Power (kW)(HY2000Si/HY3000Si)	2/2.6
	Max AC Output Power (kW) (HY2000Si/HY3000Si)	2.2/2.8
	Voltage (V)	220V/230V/240V
ENGINE	Model (HY2000Si/HY3000Si)	XG152F/XG157F
	Type	OHV, Forced-Air Cooling, single cylinder, 4 stroke, Gasoline engine
	Bore x Stroke (mm x mm) (HY2000Si/HY3000Si)	52 x 58 / 57.4x57.8
	Displacement (cc) (HY2000Si/HY3000Si)	125 / 149
	Rated Power (kw) (HY2000Si/HY3000Si)	3.5/4500rpm /3.95/5550rpm
	Ignition mode	T.D.I
	Recommended fuel	Unleaded Gasoline
	Fuel tank capacity (L)	7
	Fuel consumption (h)	380g/kw.h
	Engine oil capacity (L)	0.45 (15W40)
	Starting system	Pulling recoil starting
	Continuous work time (hours)	5.5
	Noise level (7m)	65 (7m)
STANDARD FEATURES	Indicator light	O
	AC Overload Protector	O
	AC Socket	O
OPTIONAL FEATURES	DC Socket (12v/8.3A)	"T" or "V" Type
	DC Protector	O
DIMENSIONS	Packing dimensions (mm)	575 x 330 x 507
	N.W (kg)	30
	G.W (kg)	32

8. WIRE DIAGRAMS

For HY1000Si



For HY2000Si HY3000Si



9. WARRANTY

Warranty Terms and Conditions

This product is warranted to be free of defects in material and workmanship for two years from date of purchase. This warranty guarantees that any defective parts will be repaired or replaced at no cost, including diagnosis and replacement parts.

Limited Warranty periods:

Recreational/residential use: 2 years limited. 1st year, parts and labor. 2nd year parts only.

Commercial use: 6 months limited, parts and labor

This limited warranty begins at the initial time of retail purchase and covers manufacturer's defects caused by a defect in components or workmanship during the two (2) Year period. The warranty coverage is continual from the initial date of purchase and does not restart at anytime under any circumstances. This limited warranty is valid for residential or recreational applications only and only when the generator receives all necessary preventative maintenance as described in the Hyundai Generators "Operation Manual. The repair or replacement of a generator will take place within a reasonable period of time during normal business hours. All repair and replacement parts shall be warranted for (90) days after the initial date of installation or purchase.

Limitation of Remedies and Disclaimers

Midland International Inc. disclaims any responsibility for loss of time or use of the generator in a recreational vehicle or any vehicle in which the generator is installed, transportation, commercial loss, or any other incidental or consequential damage. Any implied warranties are limited to the duration of this written warranty. THE FOREGOING LIMITED WARRANTY IS EXCLUSIVE OF AND IN LIEU OF ALL OTHER WARRANTIES OF MERCHANTABIL-

ITY, FITNESS FOR A PARTICULAR PURPOSE AND OF ANY OTHER WARRANTY WHETHER EXPRESS OR IMPLIED.

Consumable parts, such as oil or fuel filters, fuel cut off valve, brushes, fuel injection nozzle valve, lubricant, or ignition plug, are not covered under this warranty. All expenses incurred in maintaining and replacing parts for generator shall fall on the purchaser. This warranty coverage does not include parts affected by accident and/or collision, corrosion or rust, normal wear, incorrect fuel type or fuel contamination, use in an application for which the product was not intended, unauthorized service, or any other misuse, neglect, incorporation or use of unsuitable attachments or parts Damage to voltage regulators caused by failure to ground, shorting or overloading will not be covered under this warranty. Under this Warranty, we do not have the obligation to bear any transportation fees of any product to/from an authorized Warranty Center. Unauthorized alteration, installation or any cause other than defects in material or workmanship of the product will not be covered under the warranty.

Exclusions

Not Covered by this Limited Warranty:

1) Normal engine/alternator wear;
2) Damage caused by lack of maintenance as described in the Hyundai manuals, or negligence by using improper or impure motor oil, coolant, or fuel;
3) Damage caused by accidents, improper installation or storage;
4) Damage caused by water ingestion, submersion, or external water damage;
5) Damage or non-performance caused by operation of the generator set in a marine application;
6) Damage caused by operation with improper fuel, or at speeds, loads, conditions, or modifications contrary to published specifications.
7) Items not supplied by Hyundai, including, but not limited to; starting batteries, battery cables, external wiring, fuel lines, filters, etc;(refer to exclusions)
8) Repairs made during the warranty period, without first obtaining a case number from Hyundai

Batteries supplied with any generator product should be considered a bonus item and not covered by warranty. Batteries can be damaged by shock, shorting terminals, heat, acid spillage and a number of other factors that cannot be controlled after they have

left our facility. It is the customer's responsibility to take great care when handling a battery so no spillage of acid will occur and cause corrosion; damage caused by battery acid is not covered under this warranty.

Product Registration
Product registration is required for product support and warranty coverage.
The owner's registration found in the user manual can be completed and mailed. You can also register Online at www.hyundaipower.ca. You should keep your receipt for proof of purchase.

Warranty Claim Procedure:
Warranty service must be performed by one of our authorized service dealers. If you feel your generator is malfunctioning due to a defect or misuse, simply contact our customer support center for technical advice, a warranty claim or general information.

10. GLOSSARY

AC socket- The receptacle for the device plug used for AC application

Air Filter- It removes dust from engine intake air.

Carburetor- A device used to properly mix fuel and air in the correct proportions and delivering the mixture into the engine's combustion chamber.

Choke Rocker- It is used to provide proper starting mixture when the engine is cold. The choke lever must be pulled out to ON position when starting a cold engine.

DC Breaker Switch- It protects DC circuits from being damaged due to overload or short circuit by stopping the flow of electricity between the generator and device.

DC socket- the receptacle used for charging a 12 V battery
Dipstick- It seals off engine oil fill hole and is used for indicating the engine oil level.

Drain Plug- A plug that can be removed to allow the fluid contents of the engine to be drained off.

ECON Switch- It is used for automatically reducing engine speed when all loads are turned off or disconnected. If high electrical loads are connected simultaneously, turn the ECON switch to OFF position to reduce voltage changes. When using the DC output, turn the ECON switch to OFF position.
ON position: To minimize fuel consumption and further reduce noise levels when no load is applied
OFF position: The ECON system does not operate

Fuel Switch- It controls flow of fuel from fuel tank to carburetor.
Ground Terminal - It connects generator to ground wire for grounding protection.

Oil Indicator light- Before the oil level falls below a safe limit, the Oil Indicator light (red) will go ON and the Oil Alert system will automatically stop the engine.

Output Indicator Light- The output indicator light (green) is illuminated when the generator is operating normally. It indicates that the generator is producing power at the receptacles

Overload Indicator Light- If the generator is overloaded, or if there is a short circuit in a connected device, the overload indicator light (red) will go ON. It will stay ON, and after about four seconds, the device will shut off and the output indicator light (green) will go OFF.

Recoil Starter- A pull cord is attached to the engine and you pull the T-handle attached to the starter cord assembly to spin the flywheel and start the engine.

Spark Plug- A device screwed into the combustion chamber of a spark ignition engine. The plug supplied the spark that ignites the air/fuel mixture so that combustion can occur.

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