HYUNDAI
POWER EQUIPMENT

PRO
POWER
series®

USER MANUAL

HPG4000 HPG6500 HPG7500

HYUNDAI

POWER EQUIPMENT

LICENSED BY HYUNDAI CORPORATION, KOREA
LICENCIÉ PAR LA CORPORATION HYUNDAI, CORÉE

PRINTSPEC: EN505-2010v1

PREFACE

Thank you for purchasing a Hyundai Professional 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 HPG4000, HPG6500 and HPG7500 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 fully read and understood before operating the generator set. Failure to do so may cause serious injuries or equipment damage.

CONTENTS

1.0 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

- Always perform a pre-operation check before starting the engine.
- Properly clean and maintain the equipment.
- Operate the generator according to instructions for safe and dependable service.
- Before operating the generator, read the user manual carefully. Otherwise, it may result in personal injuries or equipment damage.
- Never run the generator in an enclosed area to avoid harm from exhaust emissions of a poisonous carbon monoxide gas.
- 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.
- Gasoline is a highly flammable and explosive liquid. Refuel in a well ventilated area with the engine stopped.
- When refueling the generator, keep it away from cigarette, 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 a power outage, and when the utility power is restored, the generator may explode or causefires.
- 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 GUIDLINES

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 techncians. Improper connections may lead to a fire hazard or damages to the generator set.

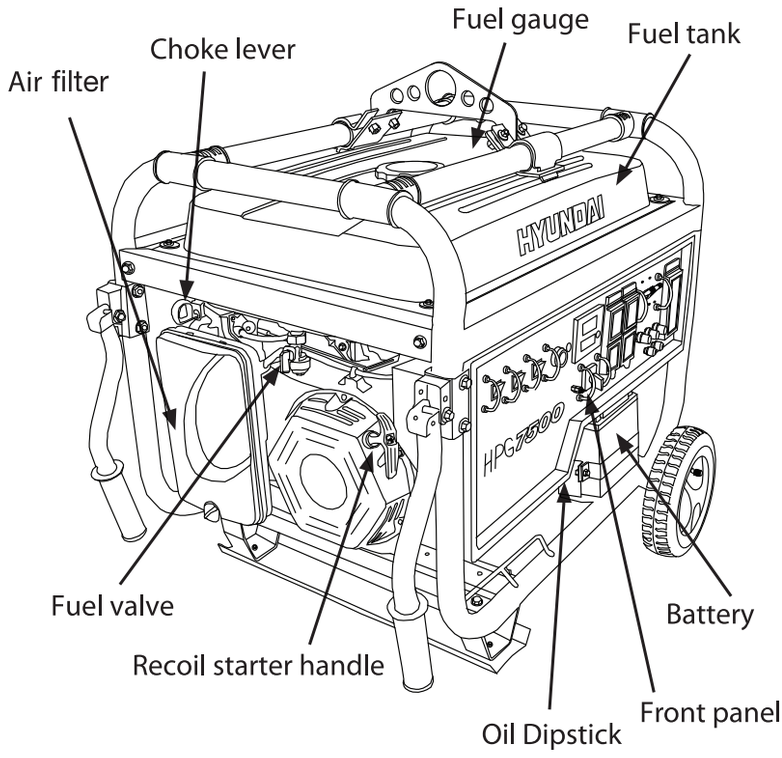
1.4 MAINTENANCE SAFETY

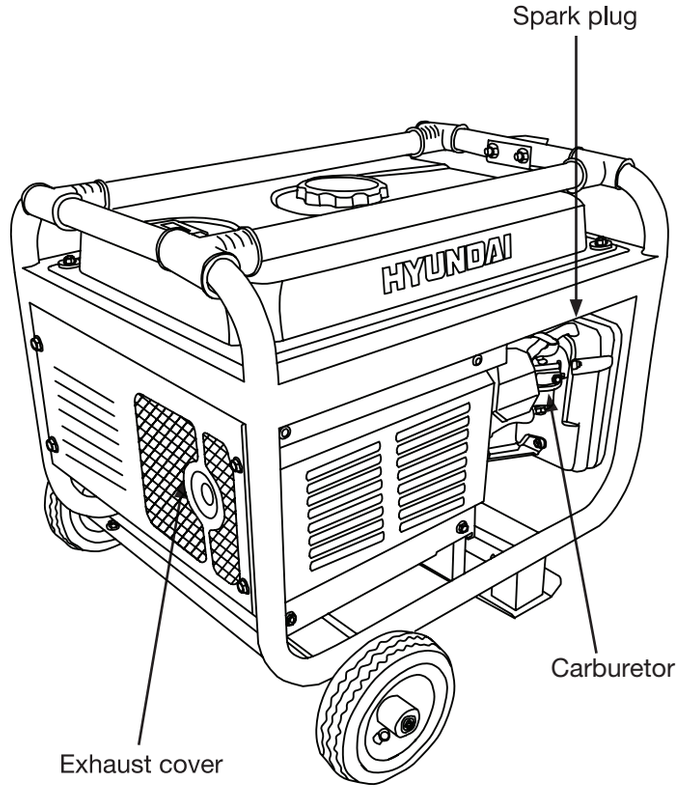
- After any maintenance is performed, wash your body immediately using soap and clean water because repeated exposure to lubricant may cause skin irritation.
- Do not clean the filter element with flammable liquids like gasoline because explosion may occur.
- Turn off the generator set before performing 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

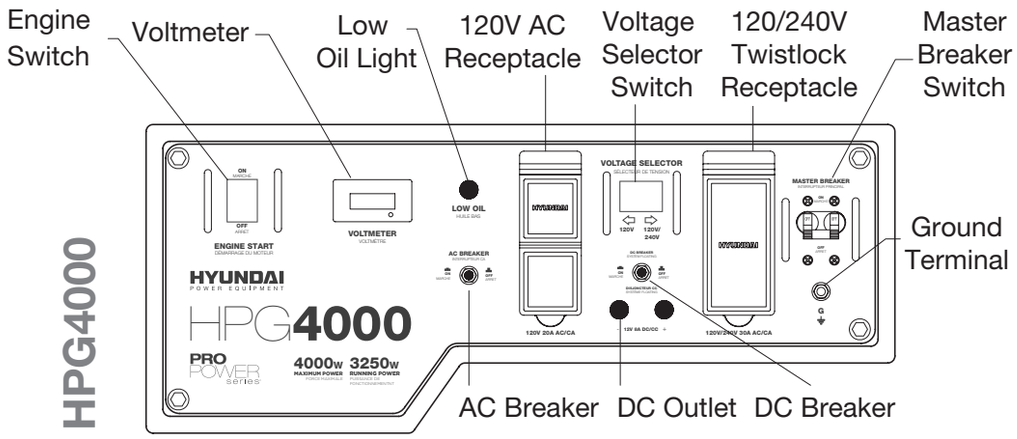
- To avoid breathing in poisonous carbon monoxide from the exhaust gases, adequate ventilation should be provided if the generator set is running in a partially enclosed space.
- If the generator set is stored outdoors, check all the electrical components on the control panel before each use. Moisture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

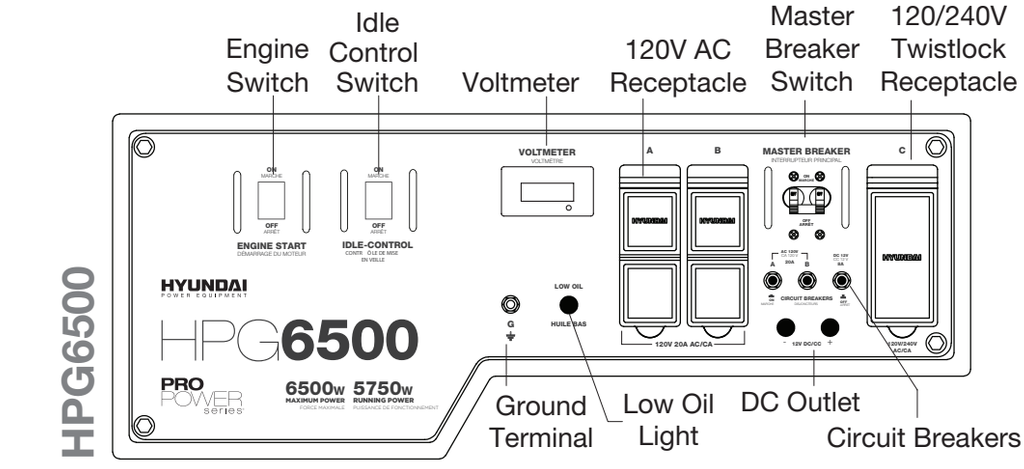
2.0 IDENTIFICATION OF COMPONENTS

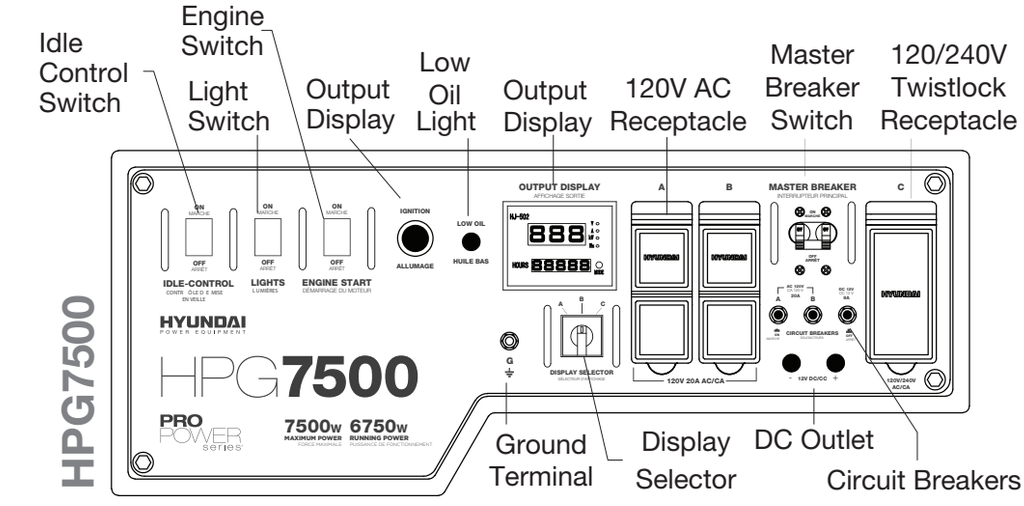




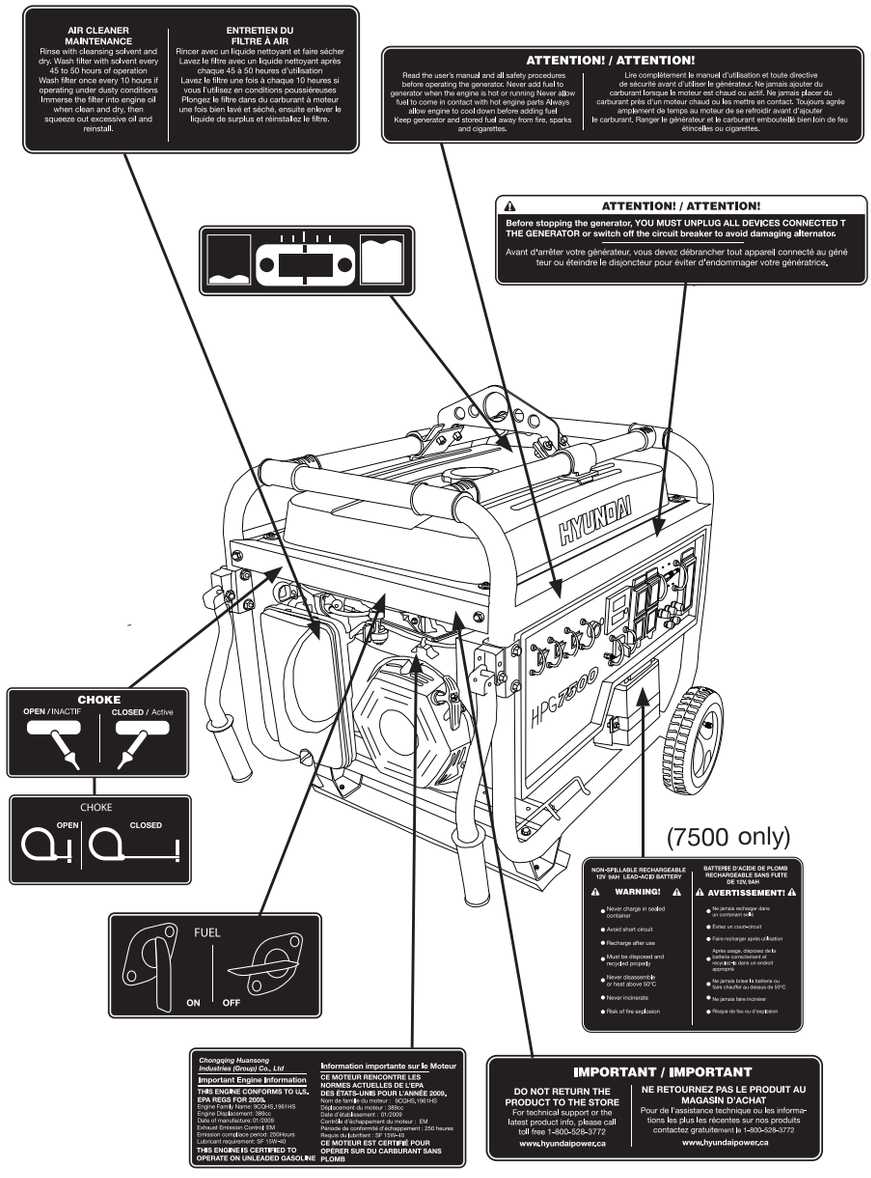
PANEL LABELS







LABEL PLACEMENT



3.0 PRE-OPERATION INSPECTION

⚠ WARNING

Exhaust gas contains poisonous carbon monoxide. Never run the generator in an enclosed area. Be sure to provide adequate ventilation

Operate the generator on a level surface. If the generator is tilted, fuel spillage may result

Keep away from rotating parts while the generator is running.

CAUTION

The generator is air-cooled and may be damaged if ventilation is inadequate

3.1 ENGINE OIL CHECK

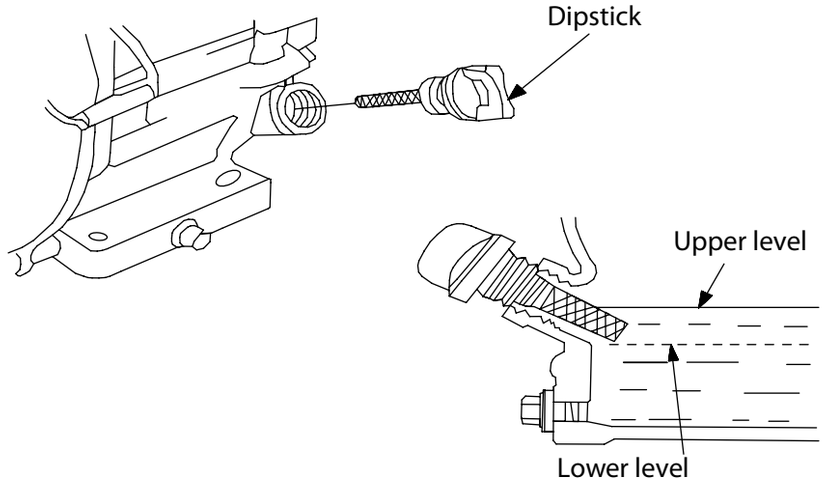
1. Ensure the generator is on a level surface.
2. Inspect engine oil:

   - Take out the oil lIer cap and clean the dipstick.
   - Check the oil level by reinserting the oil lIer cap without rotating it. Remove the oil lIer cap and examine the oil level. If the oil level is at or below the lower level, rell the oil to the upper limit mark. (10W30 Oil for all three models)
   - Reinsert the oil lIer cap and tighten securely. (Refer to Fig. 3.0)

CAUTION

Engine oil is a major factor affecting engine performance and service life. Non-detergent or vegetable oils are not recommended.

Fig 3.0



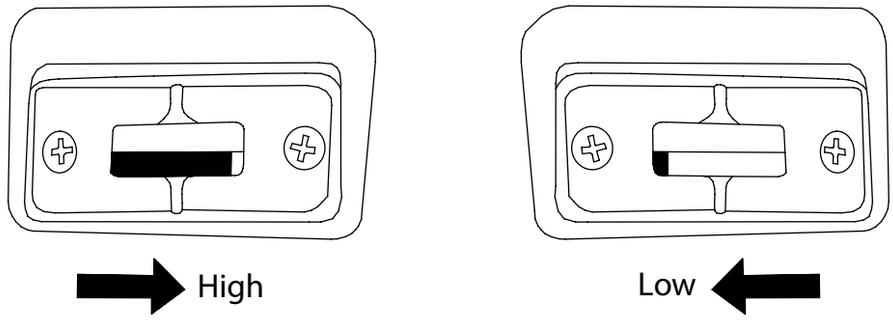
CAUTION

Running the engine with insufficient oil can cause serious engine damage.

3.2 FUEL LEVEL CHECK:

- Check the fuel level by reading the gauge or removing the fuel tank cap to visually check the level.
- Refuel if level is too low. Tighten the fuel tank cap securely after lling (Refer to Fig. 3.1)

Fig 3.1



WARNING

Gasoline is highly flammable and explosive under certain conditions. Refuel in a well-ventilated area with the engine stopped

Do not smoke or allow open flames or sparks in the area where the generator is refueled or where gasoline is stored Do not overfill the tank

Be careful not to spill fuel when refueling. Wipe up any spilt gasoline and let the area dry before starting the engine.

CAUTION

Gasoline substitutes, such as gasohol etc., are not recommended, they may be harmful to the fuel system components.

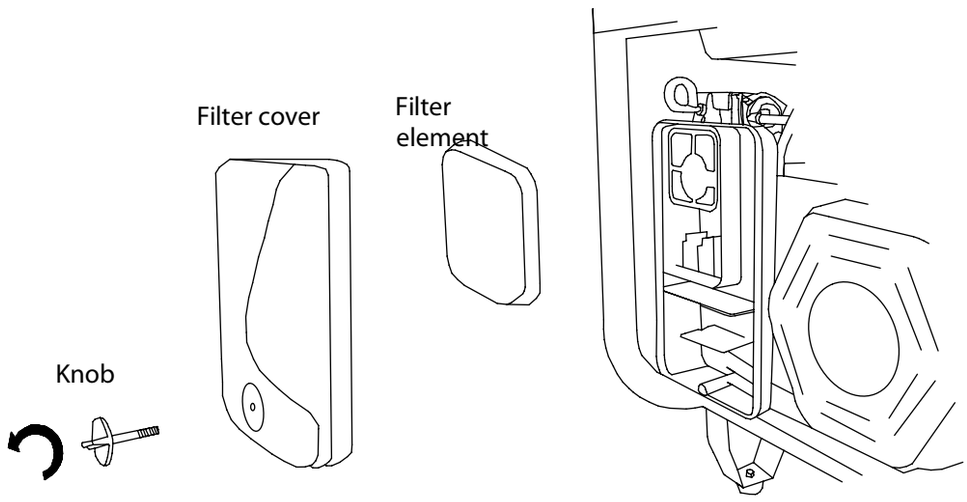
NOTICE

When the oil level is low, the low oil light on the control panel will flash and the engine will automatically shut down. Then take off the oil dipstick to check the oil level.

3.3 CHECK THE AIR FILTER

1. Loosen the knob and remove the air filter cover. Remove the air filter element and observe for cleanliness. (Refer to Fig. 3.2)
2. Clean the air filter element with soap and water or solvent. Squeeze dry and then soak in clean engine oil.
3. Squeeze out all excess oil and reinstall. Replace the element if it is damage

Fig 3.2



NOTE:
Check the air filter using the maintenance schedule. Always inspect air filter before using the generator. Clean Air Filter every 3 months or after 50hrs of operation according Section 5.4: Air Filter Service procedure.

CAUTION

Do not connect the generator to a household electrical circuit. This could cause an overload and seriously damage the generator.

Do not exceed the current limit specified for any one receptacle

Be sure that devices do not exceed the generator's running power for more than 30 minutes and that they never exceed the maximum power output of the generator. Substantial overloading will switch off the circuit breaker. Marginal overloading may not switch off the circuit breaker, but it will shorten the service life of the generator.

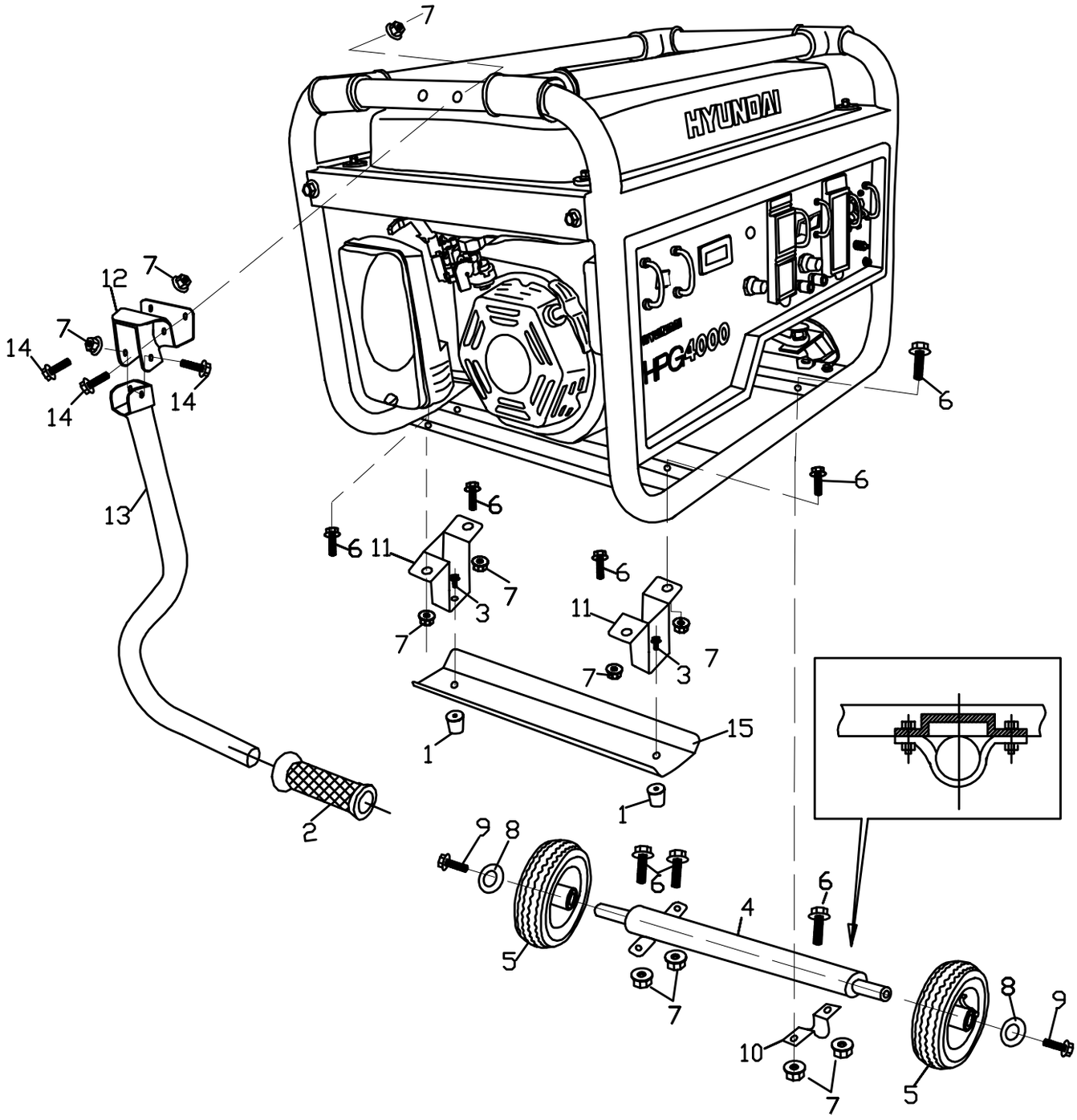
Be sure that all devices are in good working order before connecting them to the generator. If a device begins to operate abnormally, becomes sluggish, or stops suddenly, turn off the circuit breaker and the generator engine switch immediately. Then disconnect the device and examine it for signs of malfunction.

4.0 OPERATION
4.1 MOUNTING INSTRUCTIONS

HPG4000 (Refer to Fig 4.1)

1. Attach the handle bar to the upper frame of the generator. Tighten the bolts (14) and nuts (7) to the upper frame of the generator.
2. Attach the two peg stands to the bottom of the frame of the generator. Tighten the two bolts (6) and two nuts (7) to the lower frame of the generator.
3. Place the two wheels (5) on the wheel axle (4) and then secure the wheels using the washer (8) and split pin (9) to the wheel axle (4).
4. Attach the wheel axle (4) to the bottom of the generator frame. Align the bolts (6) with the holes on the bottom of the generator and fasten tightly with the nuts (7) provided.

Fig 4.1



Parts List for HPG4000

Part Number	Description	Quantity
1	Cushion	2
2	Hand Sleeve	1
3	Bolt M6 x 10	2
4	Wheel Axle	1
5	Wheel	2
6	Bolt M8 x 16	8
7	Nut M8	11
8	Washer	2
9	Bolt M6 x 16	2
10	Axle Holder	1
11	Stand	2
12	Connecting Block	1
13	Handle	1
14	Bolt M8 x 45	3
15	Anti-Sink Plate	1

HPG6500/HPG7500 (Refer to Fig 4.2)

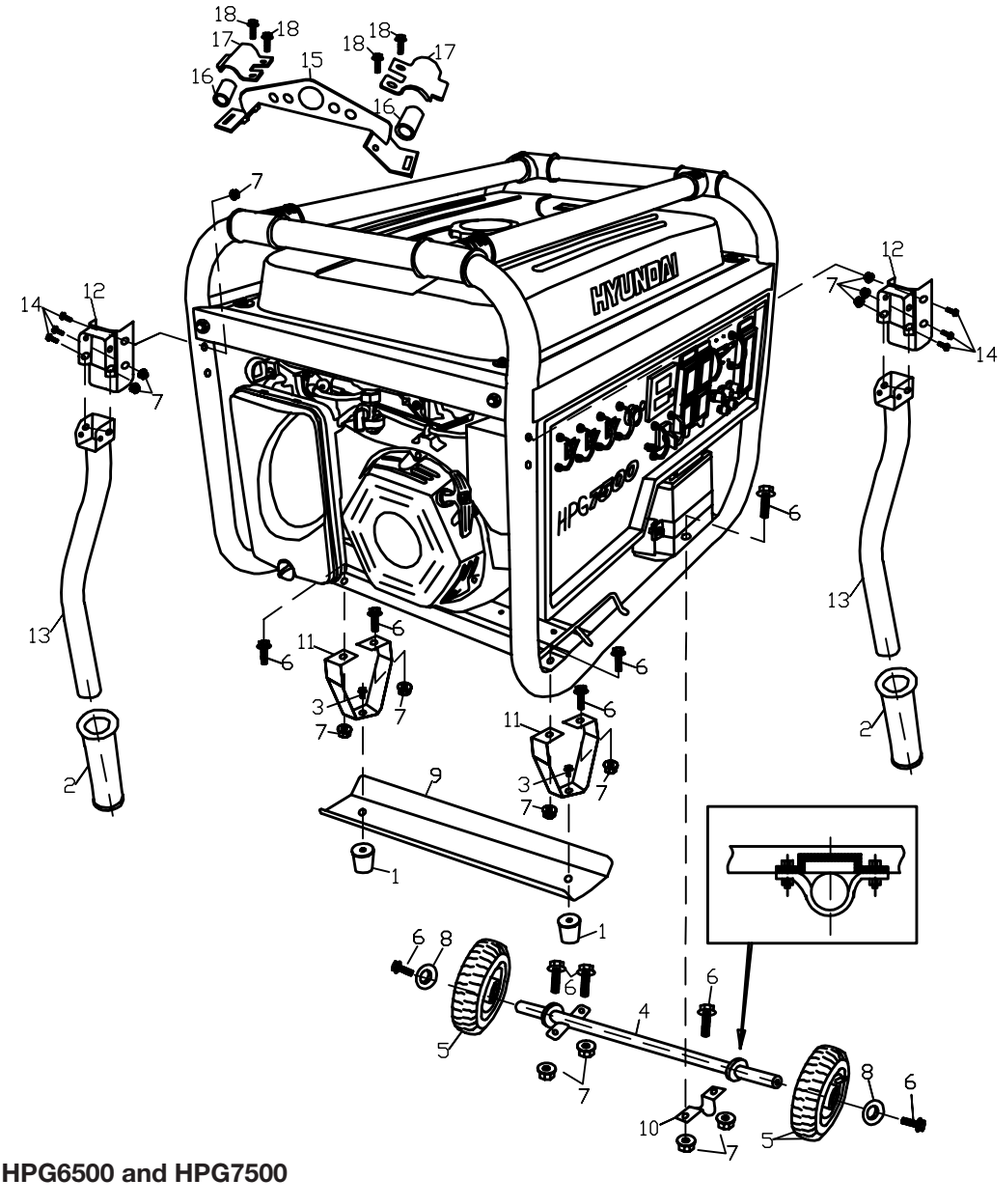
1. Attach the handle bars to the middle of the generator frame where specied in (gure 4.2) Tighten the bolts (14) and nuts (7) to the upper frame of the generator.

2. Attach the two peg stands at the bottom of the frame of the generator. Tighten the two bolts (6) and two nuts (7) to the lower frame of the generator.

3. Place the two wheels (5) on the wheel axle (4) and then secure the washer (8) using the split pin (9) to the wheel axle (4).

4. Attach the wheel axle (4) to the bottom of the generator frame. Align the bolts (6) with the holes on the bottom of the generator and fasten tightly with the nuts (7) provided.

Fig 4.2



Parts List for HPG6500 and HPG7500

Part Number	Description	Quantity
1	Cushion	2
2	Hand Sleeve	2
3	Bolt M6 x 10	2
4	Wheel Axle	1
5	Wheel	2
6	Bolt M8 x 16	8
7	Nut M8	14
8	Washer	2
9	Anti-Sink Plate	1
10	Axle Holder	1
11	Stand	2
12	Connecting Block	2
13	Handle	2
14	Bolt M8 x 45	6
15	Skyhook Assy	1
16	Rubber Cover	2
17	Skyhook Bkt	2

4.2 ELECTRIC START BATTERY CONNECTION (HPG7500 ONLY)

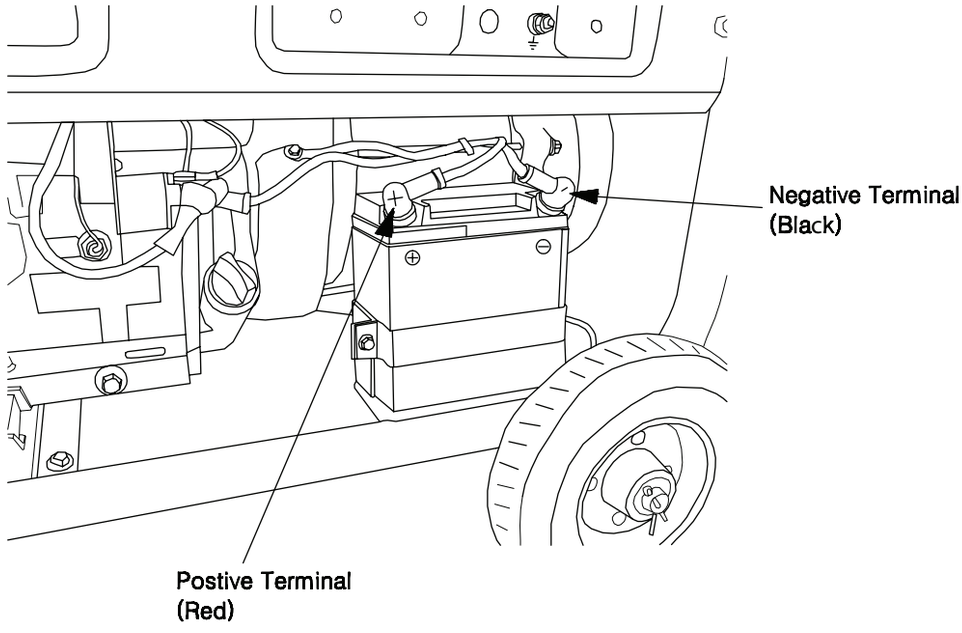
⚠ WARNING

Batteries produce explosive gases. Keep sparks, flames, and cigarettes away from the battery. To prevent the possibility of creating a spark near the battery, connect charging cables first to the battery, then to the generator, and disconnect cables at the generator first

1. Connect the red cable with the positive terminal of the battery. Ensure the connection is secured by using the fastener at the battery terminal. Refer to Fig 4.3

2. Connect the black cable with the negative terminal of the battery. Ensure the connection is secured by using the fastner at the battery terminal. Refer to Fig 4.3

Fig 4.3



NOTE: Be sure to connect the Electric Start Battery to the HPG7500 Generator set before operation. Failure to do so will cause the Output Display and LED lights to function improperly.

CAUTION

Do not reverse the polarity of the terminals when charging a battery. Serious damage to the generator and/or battery may occur.

CAUTION

Do not attempt to connect cables with the battery terminals while engine is running.

NOTE:
Disconnect the cables from the battery terminals while the HPG7500 generator set is in storage. Failure to do so may cause complete discharge.

4.3 STARTING THE GENERATOR SET

GROUND TERMINAL (For HPG4000, HPG6500 and HPG7500)

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

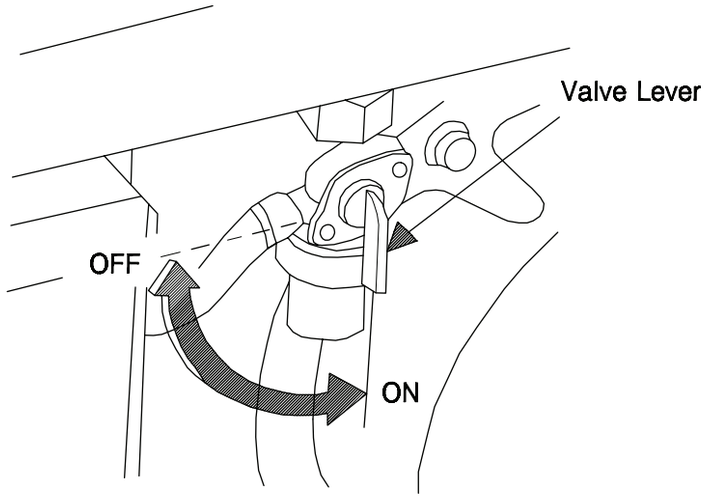
Before using the ground terminal consult a qualied electrician.

Ground Terminal Symbol:

Recoil Start for HPG4000/HPG6500/HPG7500

1. Before starting the engine, do not connect the generator to the device.
2. Rotate the fuel valve lever to ON position (Vertical position). Refer to Fig. 4.4

Fig 4.4



3. If the engine is cold:

For HPG4000, move the choke lever to the left side to close the choke.

For HPG6500/HPG7500, pull the choke lever out to close the choke (Refer to Fig. 4.5 for HPG6500/HPG7500 and Fig. 4.6 for HPG4000).

Fig 4.5

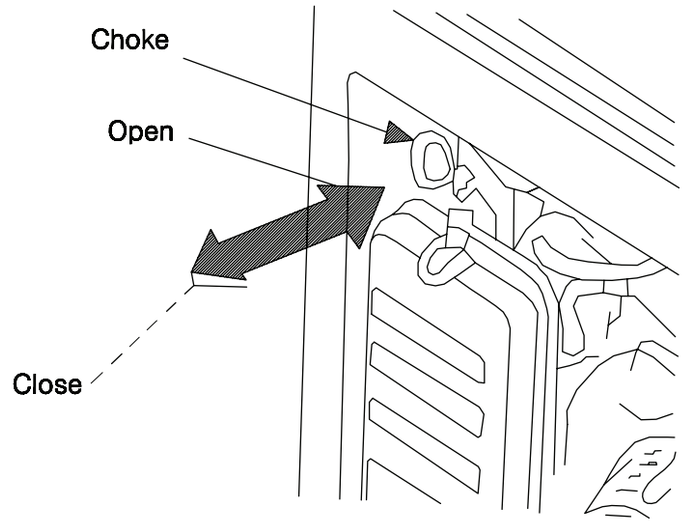
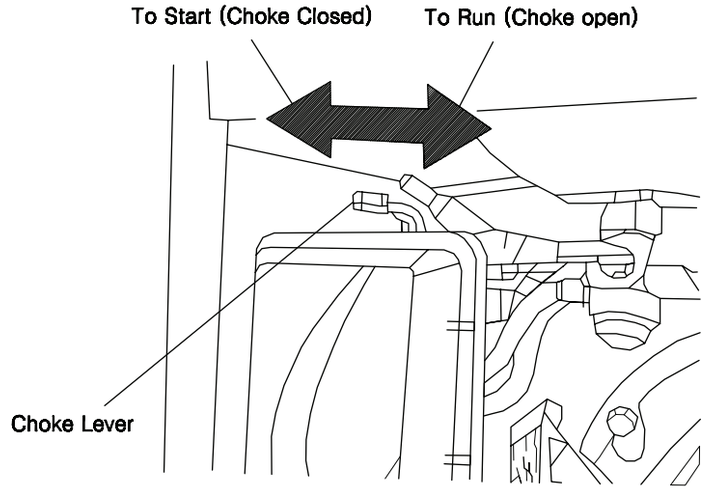
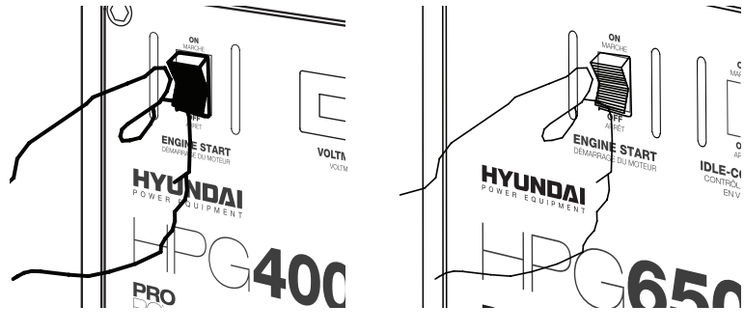


Fig 4.6

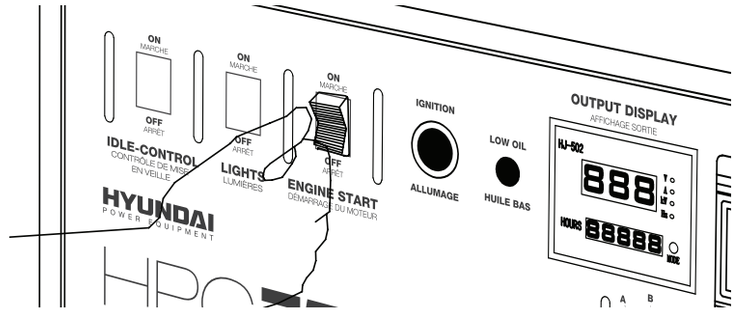


4. For HPG4000, press the engine switch to the “ON” position. Refer to Fig. 4.7. For HPG6500, press the engine switch to the “ON” position. Refer to Fig. 4.7. For HPG7500, press the engine switch to “ON” position. Refer to Fig. 4.7

Fig 4.7



FOR HPG4000 (similar to HPG6500)



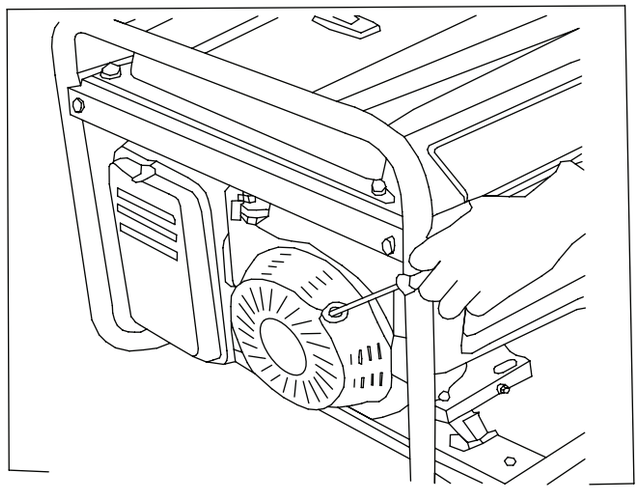
FOR HPG7500

5. You may turn on the LED light by pressing the LIGHT switch in Fig 4.7 to ON position for the better view of the front panel.

NOTE:
Do not leave LED lights ON for long periods of time as it may consume all of the battery power.

6. Grasp the recoil starter handle and pull it until the engine starts. Refer to Fig. 4.8 ineffective on the next startup.

Fig 4.8



CAUTION

Do not allow the starter grip to snap back. Return it slowly by hand.

7. After the engine warms up, push the choke lever back to the OPEN position.

8. You may turn on the Idle-Control switch to the ON position to save fuel consumption, while low load is applied to the HPG7500 generator set.

NOTE:
During warm-up period, keep the Idle-Control OFF until the engine reaches operating temperature. Otherwise the warm-up periods are extended. Idle-Control is not effective for use with appliances that require only momentary power. So it is better to leave the Idle-Control OFF if an appliance cycles ON and OFF frequently.

NOTE:
Do not use the choke if the engine is warm or if the air temperature is higher than 50°F (10°C).

Electric Start for HPG7500

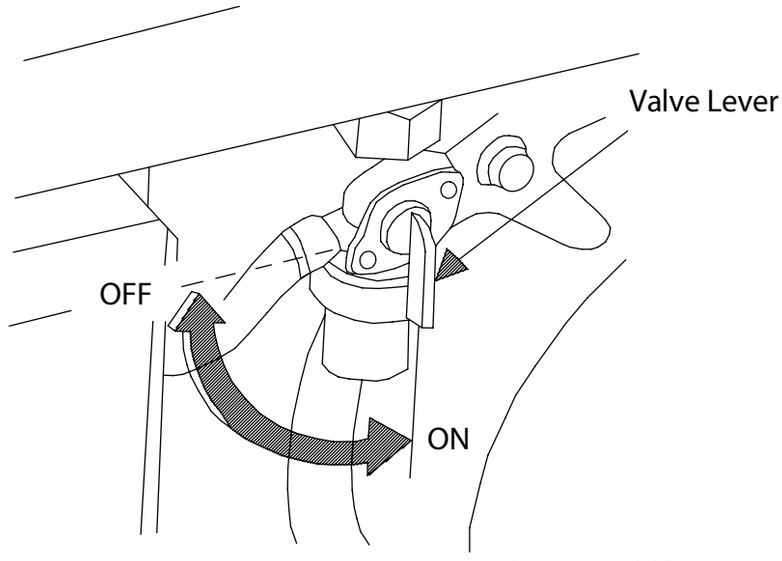
⚠ WARNING

Batteries produce explosive gases. Keep sparks, flames, and cigarettes away from the battery. To prevent the possibility of creating a spark near the battery, connect charging cables first to the battery, then to the generator, and disconnect cables at the generator first

1. Before starting the engine, do not connect the generator to the device.

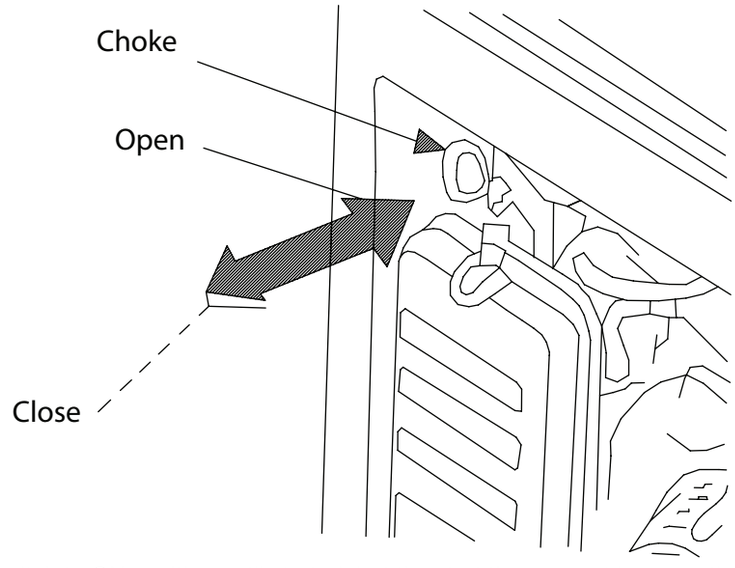
2. Rotate the fuel valve to “ON” position (vertical position). Refer to Fig 4.9

Fig 4.9



3. If the engine is cold, pull the choke lever out to close the choke. Refer to Fig 4.10

Fig 4.10



4. Push the engine switch to ON position until started, but the start time cannot be more than 5 seconds. Otherwise the alternator may be damaged. Refer to Fig 4.7

NOTE:
Do not try to electric start more than 3 times in one attempt. Failure to do so may damage the generator set.

5. Push the choke lever to the OPEN position as the engine warms up. The choke is used to provide the proper mixture when the engine is cold. It can be opened and closed by operating the choke lever manually by moving the lever to the closed position to enrich the mixture for cold starting.

6. You may turn on the Idle-Control switch to the ON position to save fuel consumption, while low load is applied to the HPG7500 generator set.

NOTE:
Do not use the choke if the engine is warm or if the air temperature is higher than 50°F (10°C).

NOTE:
During warm-up period, keep the Idle-Control OFF until the engine reaches operating temperature. Otherwise the warm-up periods are extended.

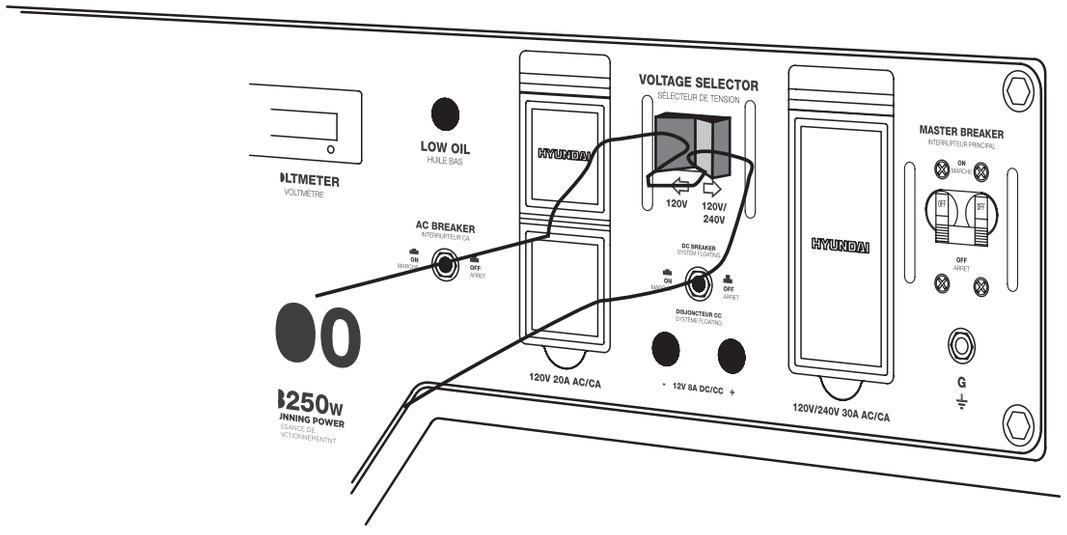
Idle-Control is not effective for use with appliances that require only momentary power. So it is better to leave the Idle-Control OFF if an appliance cycles ON and OFF frequently.

4.4 USING THE GENERATOR SET

For HPG4000

1. Turn off the switches of the device before connecting to the generator.
2. Select the receptacles to be used by using the AC Voltage Selector. Refer to Fig. 4.11

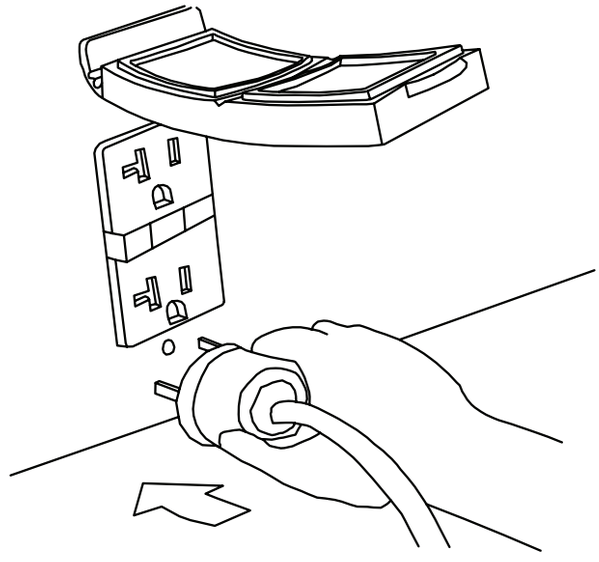
Fig 4.11



3. Start the generator according to section 4.3.

4. If the 120V option of the selector switch is chosen, insert the plug of the device into the 120V 20A receptacle. Refer to Fig. 4.12

Fig 4.12



If the 120V/240V option of the selector switch is chosen, insert the plug of the device into the 120V/240V receptacle. Refer to Fig. 4.13

Fig 4.13

5. Turn the Master Breaker to ON and turn on the device. Refer to Fig. 4.14

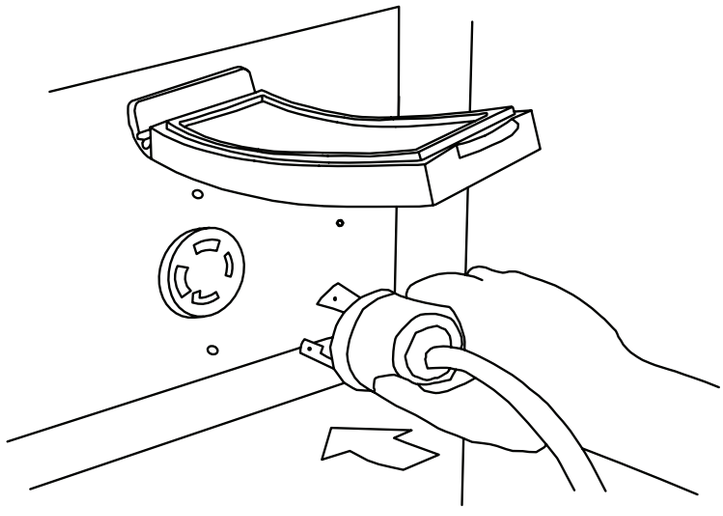
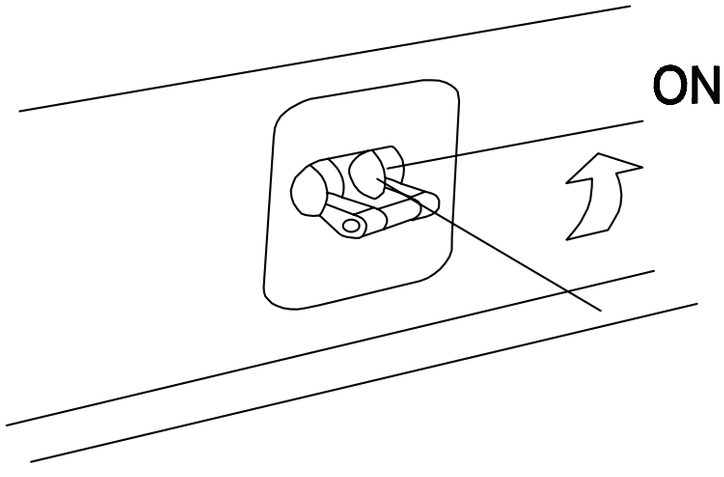


Fig 4.14

For HPG6500/HPG7500:

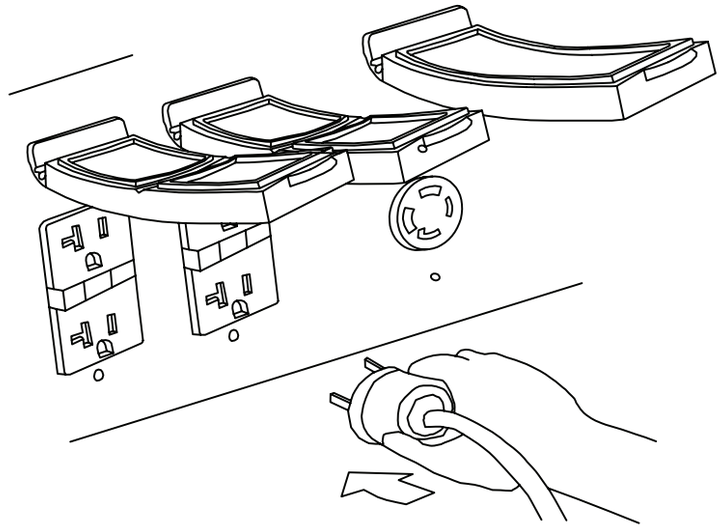


1. Turn off the switches of the device before connecting to the generator.

2. Start the generator according to section 4.3

3. Insert the plug of the device into the receptacle based on the voltage requirement of the device. Refer to Fig. 4.15

Fig 4.15



4. Lift the Master Breaker switch to ON position and turn on the device. Refer to Fig. 4.14

NOTE:
To stop the engine in an emergency, turn the engine switch “OFF”.

In order to maintain generator’s performance:

- Always connect the generator to the ground terminal to prevent electrical shock.
- Add the watt ratings of all the loads that the generator set will be powering at the same time. Make sure that total wattage will not exceed the generator rating.

EXAMPLE:
A generator set rated 5000W can power two 1500W heaters, a 900W circular saw, a 500W drill and a 100W light at the same time (4500W combined). However, to operate a second 900W saw, it will be necessary to disconnect one of the 1500 W heaters.

4.5 USING DC OUTPUT TERMINALS FOR ALL HPG SERIES GENERATORS

Note: You can use 12V 8.3A DC output to charge automotive batteries. Be sure to monitor the battery charge time.

CAUTION

Over-charge may cause explosion and injury

1. Connect the positive (red) terminal of the battery to the red (positive) terminal the 12V 8.3A DC Output Terminal on the front panel
2. Connect negative(black) terminal of the battery to the black (negative) terminal of the 12V 8.3A DC Output terminal on the front panel

CAUTION

Do not reverse polarity of connections

3. Start the generator according to section 4.3

NOTE:

1. An explosive hydrogen gas is discharged through vent holes in the battery during charging. Do not allow sparks or open flames around the generator or battery during the charging process.

2. Electrolyte fluid can burn eyes and clothing. Be extremely careful to avoid any contact. If injured, wash the affected area immediately with large amounts of water and seek medical attention immediately.

3. When charging a large capacity battery or totally discharged battery, excessive current may force the DC breaker to turn off. In this case, use a battery charger.

Ground Fault Circuit Interrupter Receptacle

This receptacle is protected by the GFCI for protection against electrical shock.

NOTE:
Using the generator in rain, snow, or in water can lead to electrical shock. Always keep your generator dry and away from any water sources.
Perform this test monthly to insure proper operation. If used outdoors unprotected from the weather, make sure to test before each use.

Test Button
The test button should extend with a click. If the test button does not extend, take to an authorized GMC generator service center.

Reset Button
If the reset button extends during operation, unplug all appliances from the GFCI receptacle.
The reset button should be flush with the test button. If the reset button is not flush with the test button, take to an authorized GMC generator service center.

4.6 STOPPING THE GENERATOR SET

For HPG4000

1. Turn off all the connected devices.
2. Allow the generator set run for a few minutes to cool down.
3. Stop the generator set by pressing the engine switch to the OFF position until the generator set stops.
4. Rotate the fuel valve back to the OFF position (horizontal position).

For HPG6500/HPG7500

1. Turn off all the connected devices.
2. Allow the generator set run for a few minutes to cool down.
3. Stop the generator set by pressing and holding the engine switch in the OFF position until the generator set stops.
4. Rotate the fuel valve back to the OFF position (horizontal position).

5.0 MAINTENANCE

5.1 IMPORTANCE OF MAINTENANCE

Proper maintenance is important because it will ensure safe, eco- nomical 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.

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

For HPG4000/HPG6500/HPG7500:

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

1	2	3	4	5
Each using time	1st month or 20Hr	Each quarter or 50 Hr	Every 6 months or 100Hrs	Every year or 300Hrs

Item	Maintenance	1	2	3	4	5
General Inspection		●				
Lubricants of gasoline engine	Inspection of oil level	●				
	Replacement		●		●	
Air Cleaner	Inspection	●				
	Cleaning			▲		
Sediment bowl	Cleaning			▲	●	
Spark Plug	Inspection & cleaning				●	
	Replacement					●
Valve Clearance	Inspection & adjusting					■
Combustion chamber	Inspection & adjusting					■
Fuel tank and strainer	Cleaning					■
Fuel line	Every two months (if necessary, please replace it)					

NOTICE:

▲ Service more frequently when used in dusty environments.

■ These items must be performed by a trained and experienced mechanic

5.3 GENERAL INSPECTION

1. Look for fuel leaks around the fuel tank, fuel hose, fuel valve and carburetor. Close the fuel valve and repair leaks immediately.

2. Look and listen for exhaust leaks while the engine is running. Have all the leaks repaired before continuing operation.

3. Check for dirt and debris and clean as necessary

4. Check the engine oil level and add oil as necessary.

⚠ WARNING

Do not use gasoline or low flash point solvents for cleaning. They are flammable and explosive under certain conditions

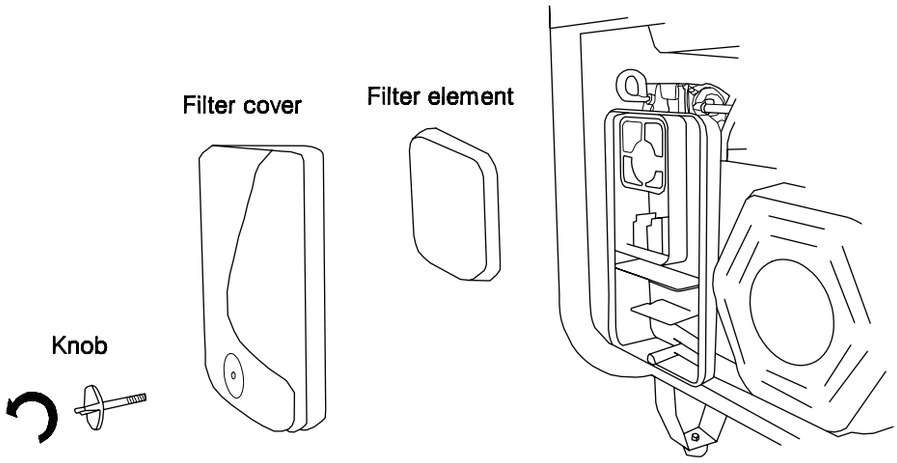
5.4) AIR FILTER SERVICE

1. Rotate the knob counterclockwise to release.

2. Lift the air cover to remove from the air unit.

3. Remove the foam element. Refer to Fig. 5.0

Fig 5.0

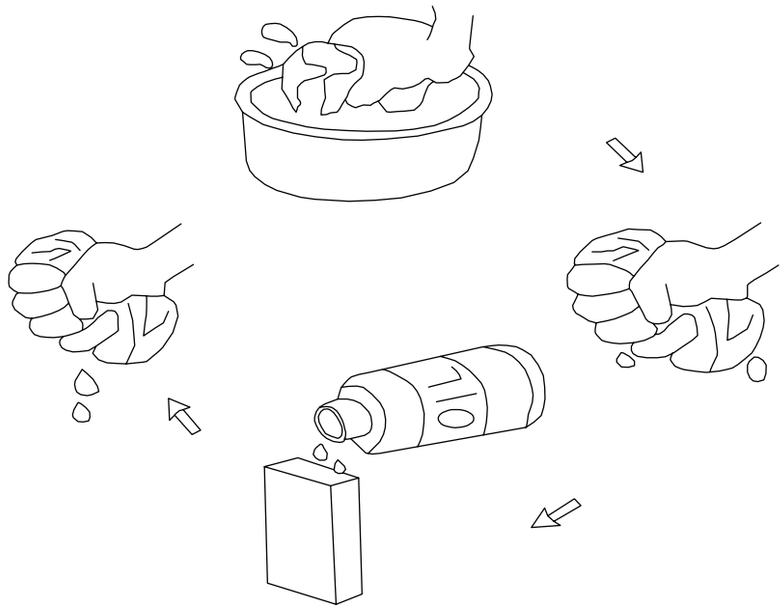


4. If the foam element is dirty, clean it in warm soapy water, rinse, and allow it to dry thoroughly, or clean in non-flammable solvent and allow to dry.

5. Drip the foam element in clean engine oil, then squeeze out all excess oil. The engine will smoke when started if too much oil is left in the filter.

6. Wipe dirt from the air filterunit and cover using a moist rag. Refer to Fig. 5.1

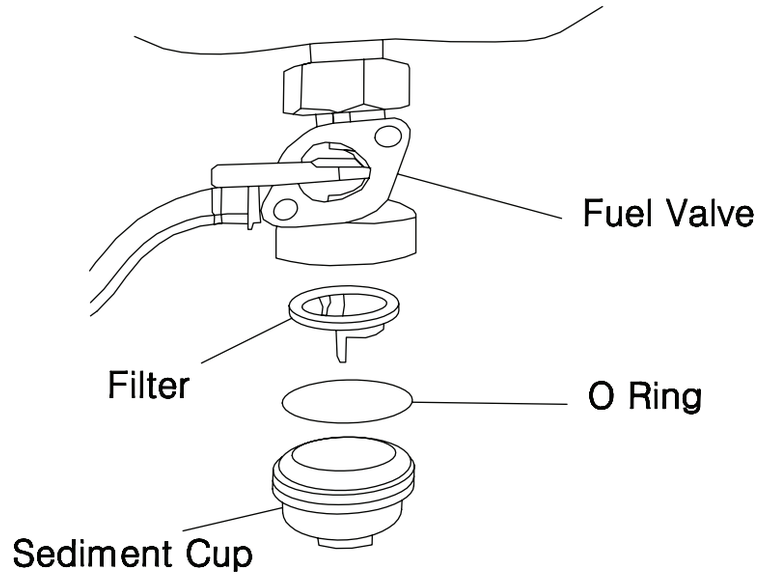
Fig 5.1



5.5 SEDIMENT CUP SERVICE

1. Rotate the fuel valve to “OFF” position.
2. Remove sediment cup and O ring.
3. Wash the cup with non-flammable solvent.
4. After fully dried, remount the parts.
5. Rotate the fuel valve to “ON” and check for leakage.

Fig 5.2



⚠ WARNING

After installing the sediment cup, be sure to tighten the “o” ring securely. Check for fuel leaks and remove any spilled fuel prior to starting

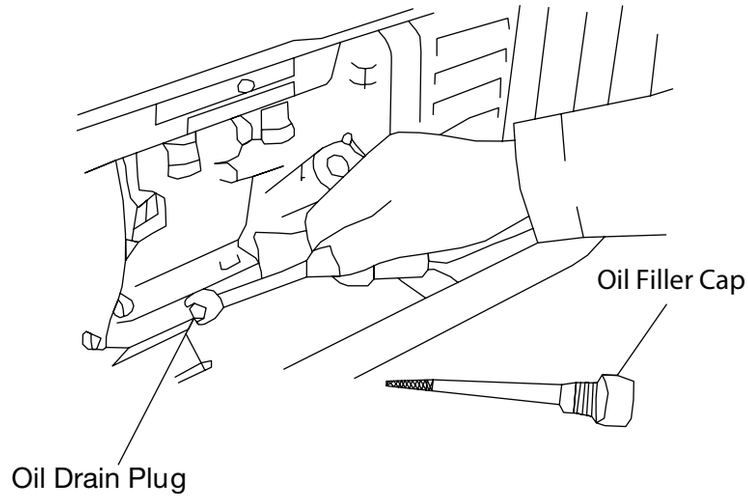
5.6 CHANGING ENGINE OIL

1. Place the generator is placed on a flat, level surface.
2. Start engine and run until it gets warm.
3. Stop engine.
4. Place oil pan or other container underneath the generator for holding oil.
5. Keep oil filler cap to avoid oil spray.
6. Use a wrench to remove the drain bolt and sealing washer.
7. Slowly unscrew and remove the oil filler cap.
8. Allow oil to completely drain into oil pan or container.
9. Use clean cloth to wipe around oil fill and drain plug to clean any dirt and debris.
10. Reinstall sealing washer and drain plug bolt.
11. Pour new engine oil into oil fill hole.
12. Check oil level.
13. Reinstall oil filler cap. Refer to Fig. 5.3 and Fig. 3.0

CAUTION

Used motor oil may cause skin cancer if repeatedly left in contact with the skin for pro longed periods. Wash your hands with soap and water as soon as possible after handling used oil.

Fig 5.3



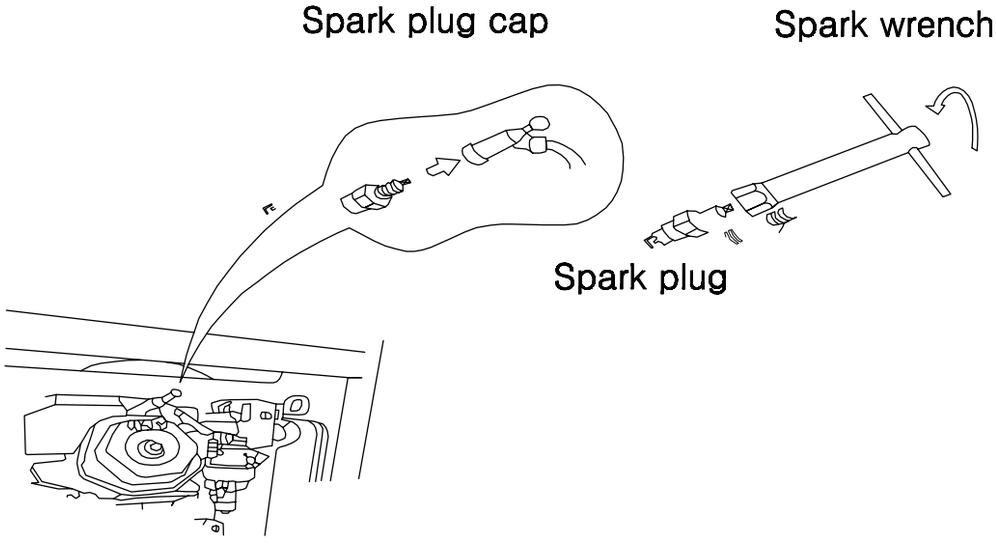
5.7 SPARK PLUG SERVICE

1. Remove the spark plug cap.

2. Clean any dirt and debris from around the spark plug base.

3. Use a wrench to remove the spark plug. Refer to Fig. 5.4

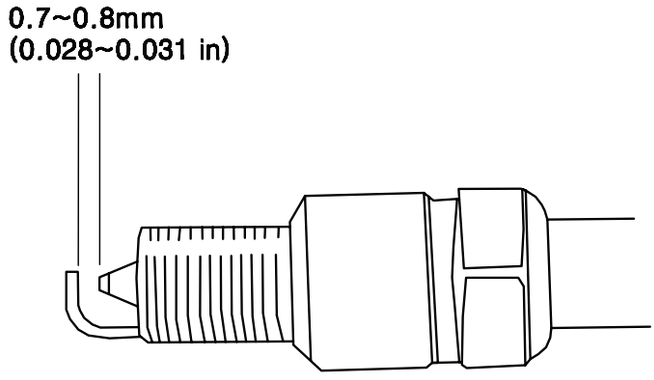
Fig 5.4



4. Visually inspect the spark plug. Discard it if the insulator is cracked or chipped. Clean the spark plug with a brush if it is to be reused.

5. 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 care- fully bending the side electrode. Refer to Fig. 5.5

Fig 5.5



6. Install the correctly gapped spark plug back into the original position.

CAUTION

The spark plug must be securely tightened. An improperly tightened plug can damage the generator.

5.8 HANDLING & STORAGE

⚠ WARNING

When transporting the generator, shut off the fuel valve and keep the generator level to prevent fuel spillage. Fuel vapor or spilled fuel may ignite.

Handling

1. Turn off the engine switch and the fuel valve when transporting the generator set.
2. Do not touch the generator until the fuel choke is in the OPEN position because the engine is warm.
3. Keep the generator at a level position in order to prevent spillage.

Storage

Before storing the generator set for an extended period:

1. Ensure that the storage area is free of excessive humidity and dust.
2. Drain the fuel tank and the carburetor.

Draining the Fuel Tank

1.Turn the engine switch off.

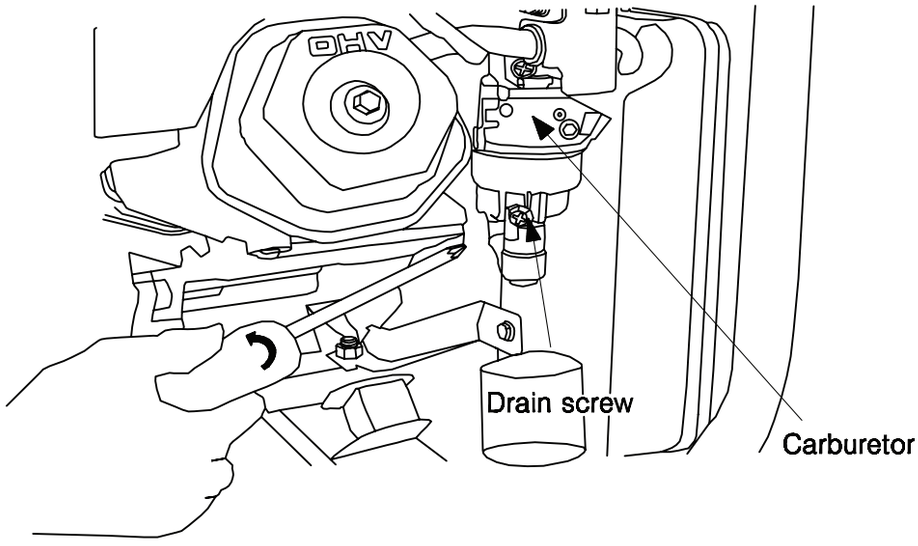
2. Remove the fuel tank cap and the debris screen under the cap.
3. Empty the fuel tank using a siphon and an approved gasoline container.

Draining the Carburetor

1.Turn the engine switch OFF.

2. Turn the fuel valve ON.
3. Position a suitable container under the carburetor drain screw to catch fuel; loosen the screw.
4. Allow fuel to drain completely into container. 5. Retighten drain screw. Refer to Fig. 5.6

Fig 5.6



Disconnecting Electric Start Battery

1. Disconnect red cable from the positive battery terminal.

2. Disconnect black cable from the negative battery terminal. Refer to Fig 4.3

3. Store the battery in a dry place and recharge it once a month. Do not store the battery in an excessively warm or cold place. (for HPG7500 only)

6.0 TROUBLESHOOTING

The following table is a troubleshooting guide for diagnosing the generator set. If these recommendations cannot solve the problem, please contact our service center.

⚠ 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.

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

Problem	Cause	Recommended Action
Engine cranks slowly	Engine oil is too heavy	Replace with recommended oil
	Load is connected	Disconnect load while starting
Engine not starting	No fuel	Refill the fuel tank
	Fuel valve closed	Fully open fuel valve
	Fouled spark plug	Remove, clean or replace spark plug
	Not enough oil	Add more oil
Black Exhaust	Choke stuck in closed position	Open choke
	Dirty air cleaner	Clean air cleaner
	Rich fuel mixture	Contact our service center
Engine Stops	No fuel	Refill fuel tank
	Not enough oil	Add more oil
Engine has difficulty idling	Loose spark plug cable	Reconnect or repair the cable
	Faulty spark plug	Remove, clean or replace spark plug
	Generator set not level	Move generator to level surface
	Dirty fuel filter	Replace the filter
No AC output	Tripped AC circuit breaker	Remove all loads, reset breaker, and check loads for defects. Do not exceed generator rating
No DC output	Tripped DC circuit breaker	Disconnect battery, reset breaker and have battery tested for shorts
No Battery charge DC output [HHD 7250 Only]	Corroded battery posts	Clean battery posts
	Battery cable is bad	Replace cable
	Battery is defective	Check condition; replace if defective
	Receptacle is bad	Contact an authorized service facility
No Output Display or No LED lights	Electric Start battery is not connected	Connect Electric Start battery

7.0 SPECIFICATIONS

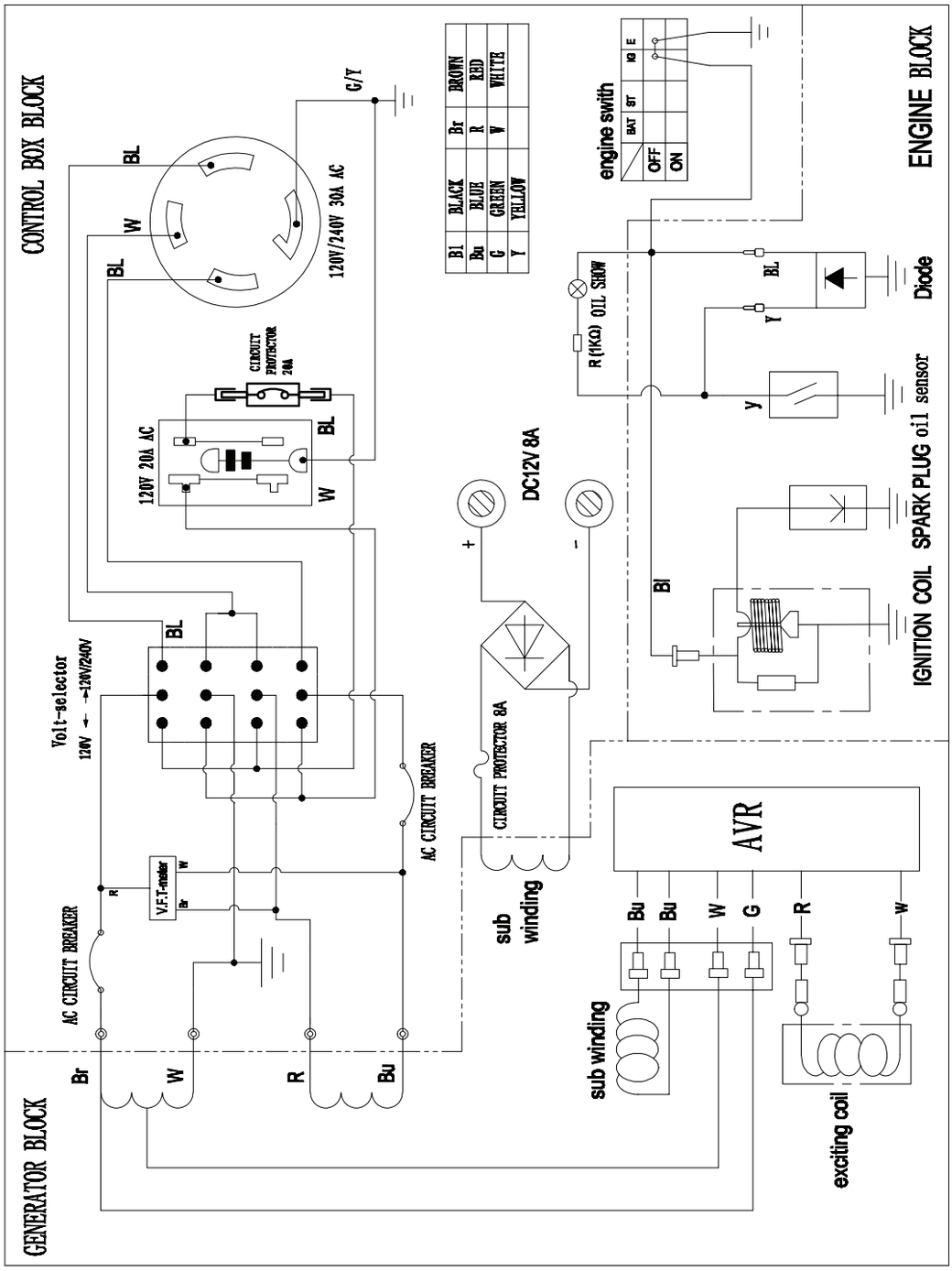
HPG4000		
GENERATOR	Rated frequency (Hz)	60Hz
	Rated AC Output Power (kW)	3.25
	Max AC Output Power (kW)	4.0
	1-Phase Rated AC Voltage (V)	120/240
	Power Factor	1.0
	Max DC Output Power (W)	100
	Rated DC Voltage (V)	12
ENGINE	Type	7 HP, Single cylinder, forced air cooling, 4-stroke OHV 25 deg tilt
	Displacement (cm^3)	208cc
	Ignition model	Non-contact transistor
	Starting model	Recoil Start
	Max. Output (kW/rpm)	4.1/3600
	Fuel tank capacity (L)	17
	Oil capacity (L)	0.6 (10W30)
	Duration of Runs (Hours)	10
	L x W x H (mm)	615 x 475 x 470
	Dry Weight (Kg)	56

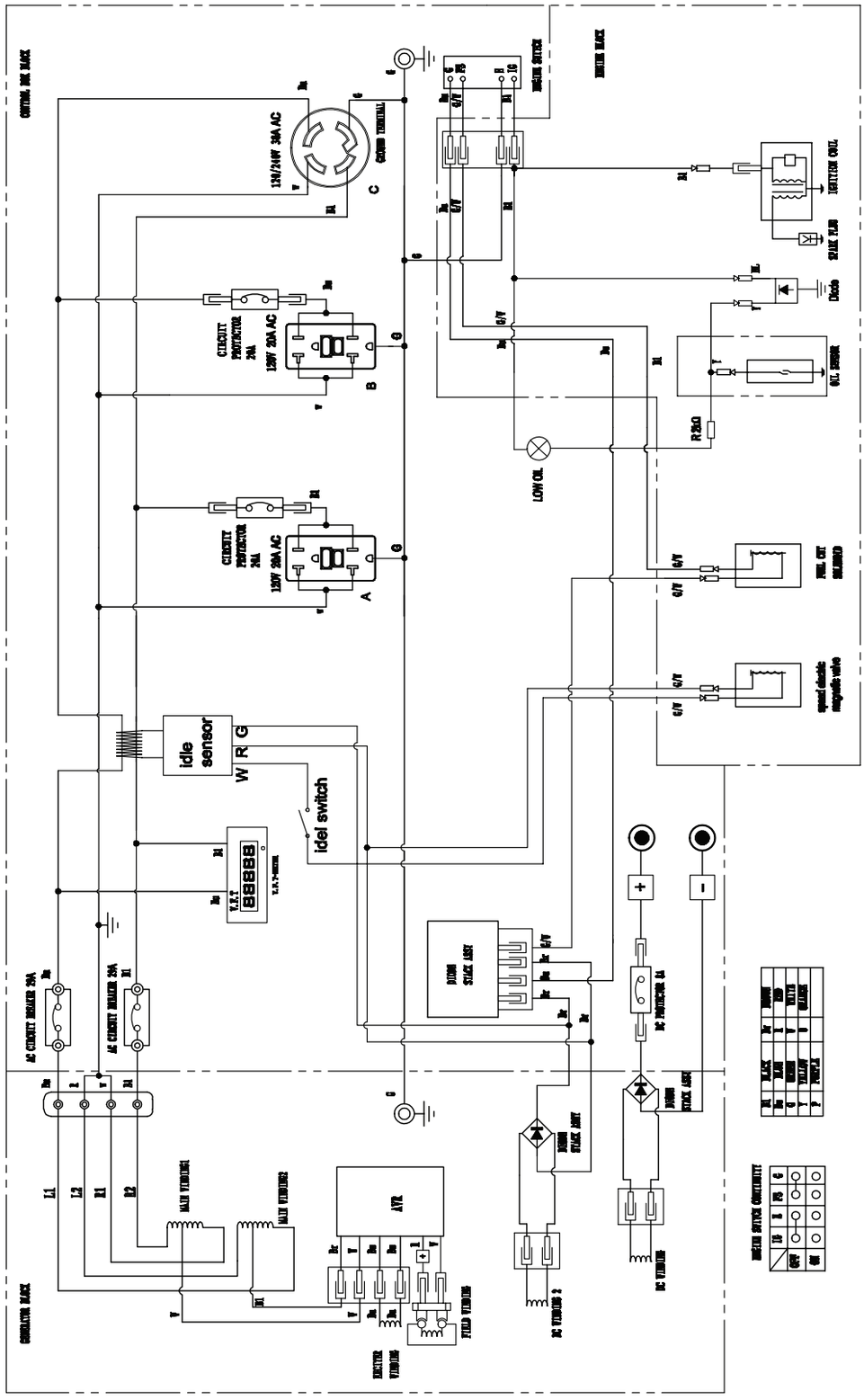
HPG6500		
GENERATOR	Rated frequency (Hz)	60Hz
	Rated AC Output Power (kW)	5.75
	Max AC Output Power (kW)	6.5
	1-Phase Rated AC Voltage (V)	120/240
	Power Factor	1.0
	Max DC Output Power (W)	100
	Rated DC Voltage (V)	12
ENGINE	Type	HP, Single cylinder forced air cooling 4-stroke, OHV 25 deg tilt
	Displacement (cm^3)	389cc
	Ignition model	Non-contact transistor
	Starting model	Recoil Start
	Max. Output (kW/rpm)	7.6/3600
	Fuel tank capacity (L)	25
	Oil capacity (L)	1.1 (10W30)
	Duration of Runs (Hours)	12
	L x W x H (mm)	715 x 545 x 585
	Dry Weight (Kg)	94

HPG7500		
GENERATOR	Rated frequency (Hz)	60Hz
	Rated AC Output Power (kW)	6.75
	Max AC Output Power (kW)	7.5
	1-Phase Rated AC Voltage (V)	120/240
	Power Factor	1.0
	Max DC Output Power (W)	100
	Rated DC Voltage (V)	12
ENGINE	Type	14 HP, Single cylinder, forced air cooling, 4-stroke, OHV 25 deg tilt
	Displacement (cm^3)	420cc
	Ignition model	Non-contact transistor
	Starting model	Recoil Start or Electric Start
	Max. Output (kW/rpm)	8.2/3600
	Fuel tank capacity (L)	28
	Oil capacity (L)	1.1 (10W30)
	Duration of Runs (Hours)	10
	L x W x H (mm)	715 x 565 x 585
	Dry Weight (Kg)	99

8.0 WIRING DIAGRAMS

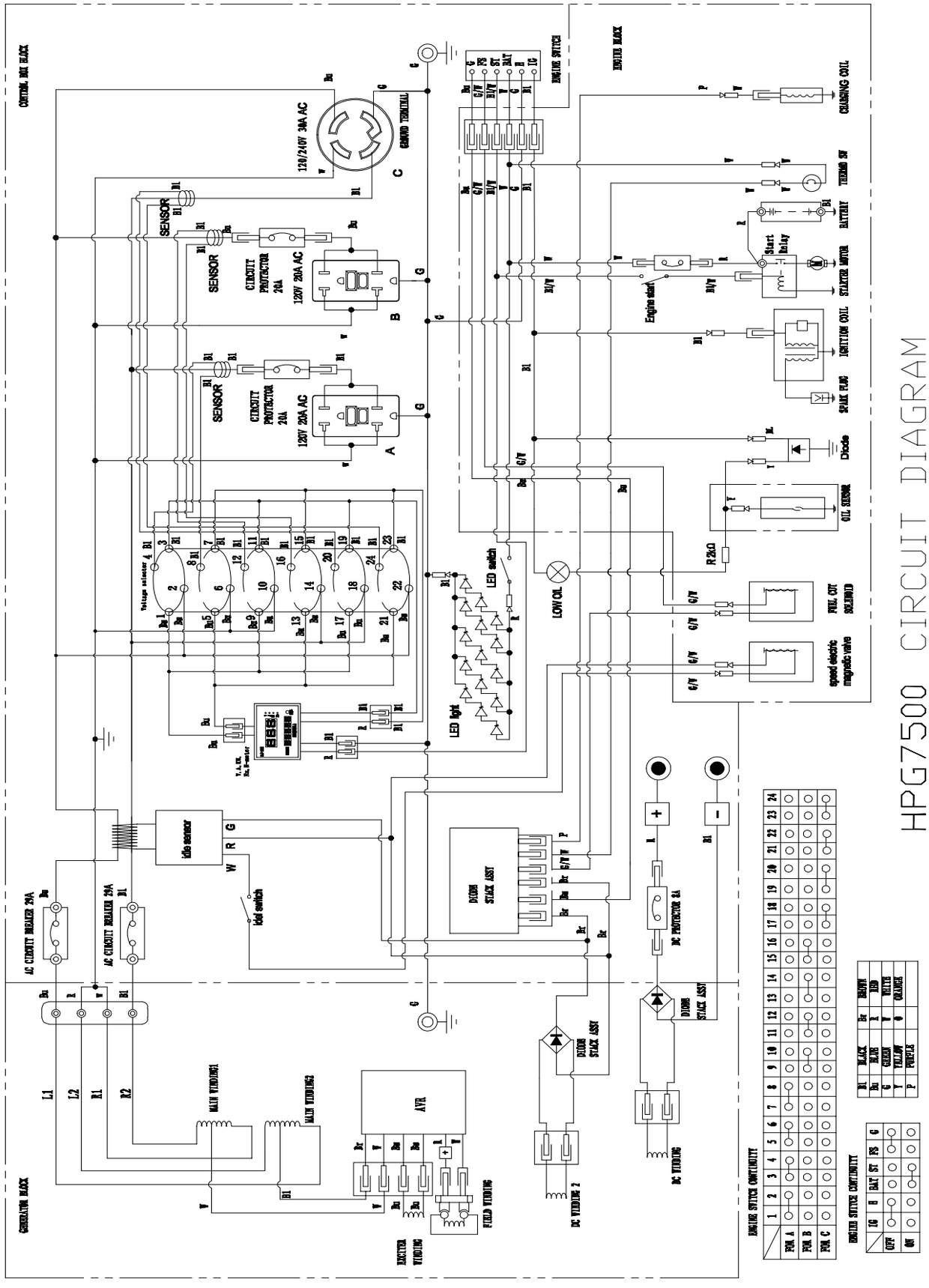
For HPG4000





HPG6500 CIRCUIT DIAGRAM

For HPG7500


HPG7500 CIRCUIT DIAGRAM
CONTROL BOX BLOCK
GENERATOR BLOCK
IGNITION BLOCK
120/240V 30A AC
GROUND TERMINAL
SENSOR
CIRCUIT PROTECTOR 20A
120V 20A AC
Voltage selector A B1
LED light
LED switch
LOW OIL
R 2kΩ
OIL SENSOR
Diode
SPARK PLUG
IGNITION COIL
STARTER MOTOR
Start Relay
Engine start
BATTERY
THERMO SW
CHARGING COIL
FUEL CUT SOLENOID
speed electric magnetic valve
idle sensor
idle switch
AC CIRCUIT BREAKER 20A
DIODE STACK ASSY
DC PROTECTOR 8A
L1
L2
R1
R2
MAIN WINDING1
MAIN WINDING2
AVR
EXCITER WINDING
FIELD WINDING
DC WINDING 2
DC WINDING
IGNITION SWITCH CONTINUITY
ENGINE STOPS CONTINUITY
BLACK
BLUE
GREEN
YELLOW
PURPLE
BROWN
RED
WHITE
ORANGE
GRAY

9.0 WARRANTY

Canadian distribution of Hyundai portable generators are distributed in Canada by:

Midland International 26 Rd. Unit #2
Toronto, Ontario
M9W 5Z6 Canada

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:

Commercial use: 1 year limited, parts and labor

This limited warranty begins at the initial time of retail purchase and covers manufacturerís defects caused by a defect in components or workmanship during the two (2) Year period. The war- ranty 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 im- plied 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 MERCHANTABILITY, 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 maintain- ing and replacing parts for generator shall fall on the purchaser. This warranty coverage does not include parts affected by ac- cident 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 gen- erator 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 obtaining a case number from Hyundai.

Batteries supplied with any generator product should be consid- ered 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 ownerís registration found in the user manual can be com- pleted 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.

Do not return your generator to the place of purchase for repair.

MIDLAND INTERNATIONAL INC. SHOULD BE CONTACTED TO PROVIDE A CASE NUMBER BEFORE WARRANTY WORK CAN BEGIN.

To obtain warranty service: Contact our customer support centre:

Toll free: 1-877-528-3772

E-mail: support@Hyundaipower.ca Website: Hyundaipower.ca

10.0 GLOSSARY

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 engineís combustion chamber.

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

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

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 contents of the engine to be drained off.

Earth Ground Lug - It connects generator to ground wire for grounding protection.

Fuel Cock - A tap which can allow or restrict the flow of gasoline from the gas tank to the carburetor.

Fuel Valve - It controls flow of fuel from fuel tank to carburetor. Pilot Light - A small flame used to ignite gas at a burner.

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 and start the engine.

Reset Switch - A switch which puts the configuration of a component back to its standard setting.

Sediment Cup - A cup for storing sediments.

Selector Switch - A switch that is used to select among alternatives.

Spark Plug - A device screwed into the combustion chamber of a spark.

11.0 QUESTIONAIRE

Please complete and mail the form below, or register online by visiting our website: www.hyundaipower.ca

Personal Information

First name: _____

Last name: _____

Address: _____

City: _____ Postal code: _____

Province: _____

Product Information

Model name: _____

Serial number: _____

Date of purchase: Y _____ M _____ D _____

Questionnaire

Store name and number: _____

Purchase price: _____

Why our generator?

☐ Price ☐ Ease of use ☐ Power rating

☐ Brand ☐ Portability ☐ Appearance

Questionnaire

How did you find out about us

- ☐ In-Store
- ☐ Internet
- ☐ Print
- ☐ Radio/TV
- ☐ Store flyer
- ☐ Word of mouth

Primary usage

- ☐ Recreational
- ☐ Emergency
- ☐ Tools

Primary location of usage

- ☐ Home
- ☐ Work

Gender

- ☐ Male
- ☐ Female

Martial status

- ☐ Married
- ☐ Single

Date of birth

Y _____ M _____ D _____

Questionnaire

Number of people in household

☐ 1 ☐ 2 ☐ 3

☐ 4 ☐ 5 _____ other

Primary residence

☐ Own ☐ Rent

Education

☐ Partial Secondary ☐ Full Secondary ☐ University

☐ College

Household income _____

Primary method of purchasing items

☐ In-Store ☐ Online ☐ TV

☐ Mail order

Please Mail To:

Midland International Inc.
26 Huddersfield Rd. Unit 2.
Etobicoke, Ontario
M9W 5Z6 Canada

Or Register Online At:

www.hyundaipower.ca

12.0 NOTES