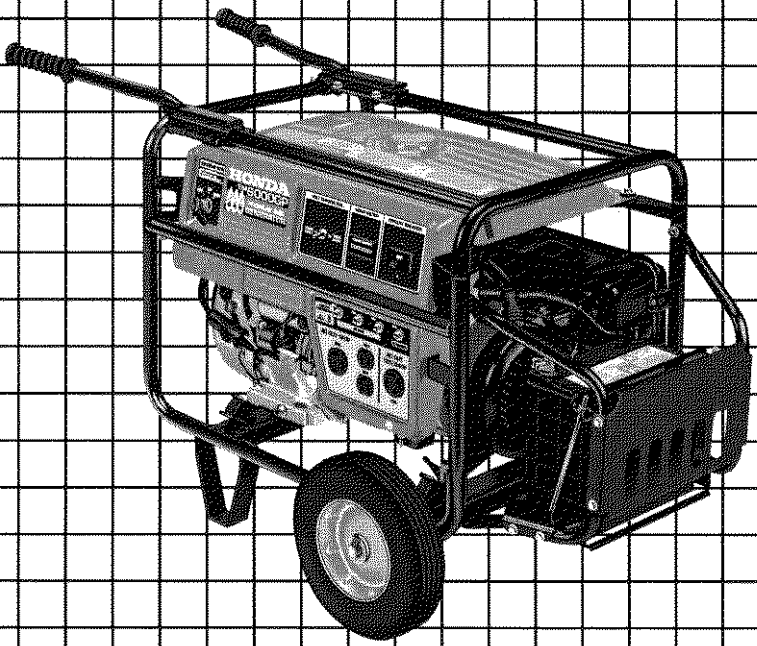
HONDA
Power
Equipment

Owner's Manual

EM6000GP

Click here to save this manual to your computer.



⚠ WARNING: ⚠

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

⚠WARNING

The generator is a potential source of electrical shock if misused. Do not expose the generator to moisture, rain or snow. Do not let the generator get wet, and do not operate it with wet hands.

Keep this owner's manual handy, so you can refer to it at any time. This owner's manual is considered a permanent part of the generator and should remain with the generator if resold.

Congratulations on your selection of a Honda generator. We are certain you will be pleased with your purchase of one of the finest generators on the market.

We want to help you get the best results from your new generator and to operate it safely. This manual contains the information on how to do that; please read it carefully.

As you read this manual, you will find information preceded by a NOTICE symbol. That information is intended to help you avoid damage to your generator, other property, or the environment.

We suggest you read the warranty policy to fully understand its coverage and your responsibilities of ownership. The warranty policy is a separate document that should have been given to you by your dealer.

When your generator needs scheduled maintenance, keep in mind that your Honda servicing dealer is specially trained in servicing Honda generators. Your authorized Honda servicing dealer is dedicated to your satisfaction and will be pleased to answer your questions and concerns.

Best Wishes,
Honda Motor Co., Ltd.

A FEW WORDS ABOUT SAFETY

Your safety and the safety of others are very important. And using this generator safely is an important responsibility.

To help you make informed decisions about safety, we have provided operating procedures and other information on labels and in this manual. This information alerts you to potential hazards that could hurt you or others.

Of course, it is not practical or possible to warn you about all the hazards associated with operating or maintaining a generator. You must use your own good judgment.

You will find important safety information in a variety of forms, including:

- **Safety Labels** – on the generator.
- **Safety Messages** – preceded by a safety alert symbol ⚠ and one of three signal words, DANGER, WARNING, or CAUTION.

  These signal words mean:

⚠ DANGER You WILL be KILLED or SERIOUSLY HURT if you don't follow instructions.

⚠ WARNING You CAN be KILLED or SERIOUSLY HURT if you don't follow instructions.

⚠ CAUTION You CAN be HURT if you don't follow instructions.

- **Safety Headings** – such as *IMPORTANT SAFETY INFORMATION.*
- **Safety Section** – such as *GENERATOR SAFETY.*
- **Instructions** – how to use this generator correctly and safely.

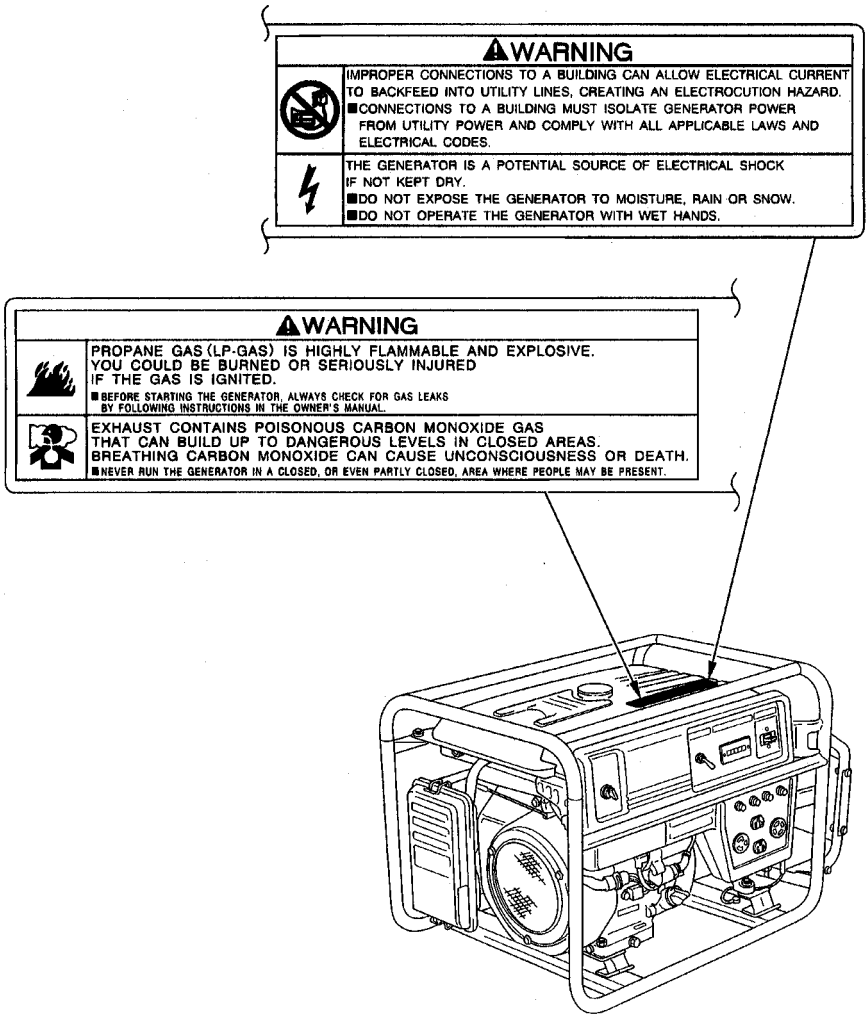
This entire book is filled with important safety information – please read it carefully.

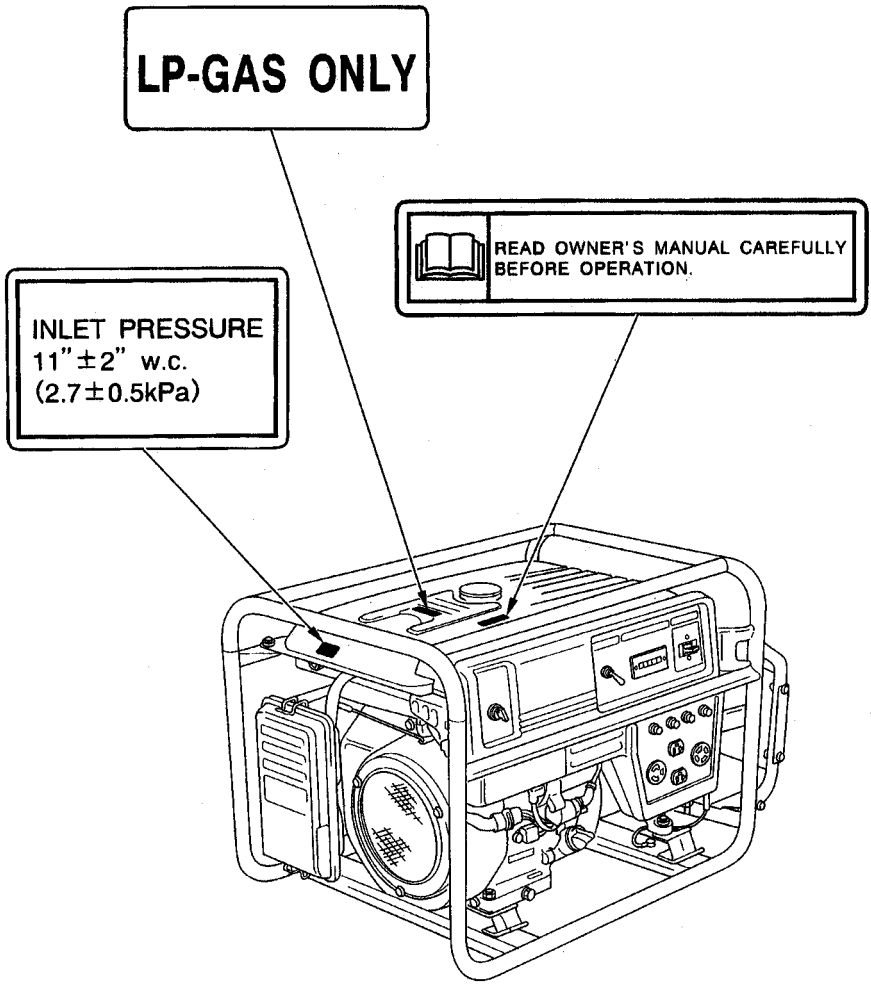
CONTENTS

SAFETY LABEL LOCATIONS

These labels warn you of potential hazards that can cause serious injury. Read them carefully.

If a label comes off or becomes hard to read, contact your Honda generator dealer for a replacement.




LP-GAS ONLY
READ OWNER'S MANUAL CAREFULLY BEFORE OPERATION.
INLET PRESSURE
11"±2" w.c.
(2.7±0.5kPa)

SAFETY INFORMATION

Honda generators are designed to give safe and dependable service if operated according to instructions. Read and understand this owner's manual before operating your generator. You can help prevent accidents by being familiar with your generator's controls, and by observing safe operating procedures.

Operator Responsibility

- Know how to stop the generator quickly in case of emergency.
- Understand the use of all generator controls, output receptacles, and connections.
- Be sure that anyone who operates the generator receives proper instruction. Do not let children operate the generator without parental supervision.

Connecting a Valve and Hose

- Valve and hose connection between the fuel supply and the generator must be made by a qualified propane gas professional. The connection must comply with all applicable laws and electrical codes. Ask your fuel supplier for more information.
- Block the wheels, or remove the wheels and stands to prevent the generator from being moved by vibration and cause the gas hose to be pulled while in operation.

Fire and Burn Hazards

- The exhaust system gets hot enough to ignite some materials.
  - Keep the generator at least 3 feet (1 meter) away from buildings and other equipment during operation.
  - Do not enclose the generator in any structure.
  - Keep flammable materials away from the generator.

- The muffler becomes very hot during operation and remains hot for a while after stopping the engine. Be careful not to touch the muffler while it is hot. Let the engine cool before storing the generator indoors.

- Propane gas (LP-GAS) is highly flammable and explosive. You could be burned or seriously injured if leaking gas is ignited. If you suspect a leak, have your generator immediately inspected and repaired by an authorized Honda propane gas generator dealer.

Electric Shock Hazards

- The generator produces enough electric power to cause a serious shock or electrocution if misused.

- Using a generator or electrical appliance in wet conditions, such as rain or snow, or near a pool or sprinkler system, or when your hands are wet, could result in electrocution. Keep the generator dry.

- If the generator is stored outdoors, unprotected from the weather, check all electrical components on the control panel, before each use. Moisture or ice can cause a malfunction or short circuit in electrical components which could result in electrocution.

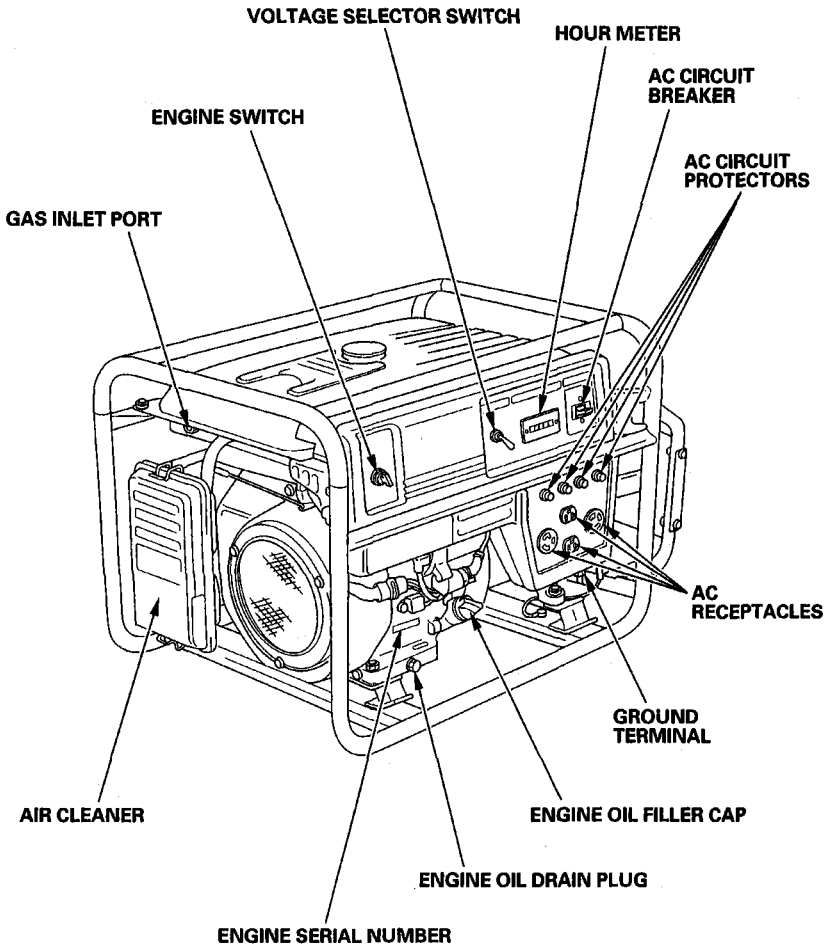
- Do not connect to a building electrical system unless an isolation switch has been installed by a qualified electrician.

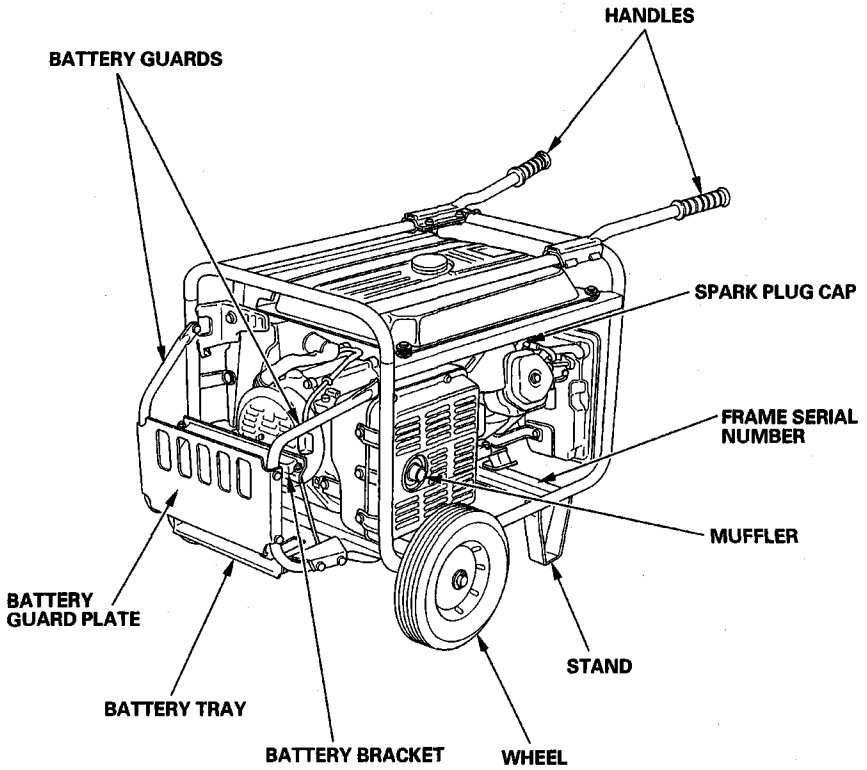
Carbon Monoxide Hazards

- Exhaust contains poisonous carbon monoxide, a colorless and odorless gas. Breathing exhaust can cause loss of consciousness and may lead to death.

- If you run the generator in an area that is confined, or even partially enclosed, the air you breathe could contain a dangerous amount of exhaust gas. To keep exhaust gas from accumulating, provide adequate ventilation.

COMPONENT IDENTIFICATION





*Record the engine and frame serial numbers for your future reference. Refer to these serial numbers when ordering parts, and when making technical or warranty inquiries (see page 50).

Frame serial number: _____

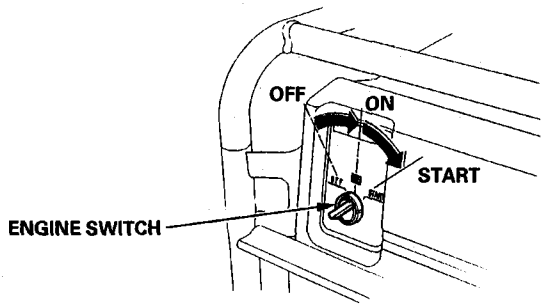
Engine serial number: _____

CONTROLS

ENGINE SWITCH

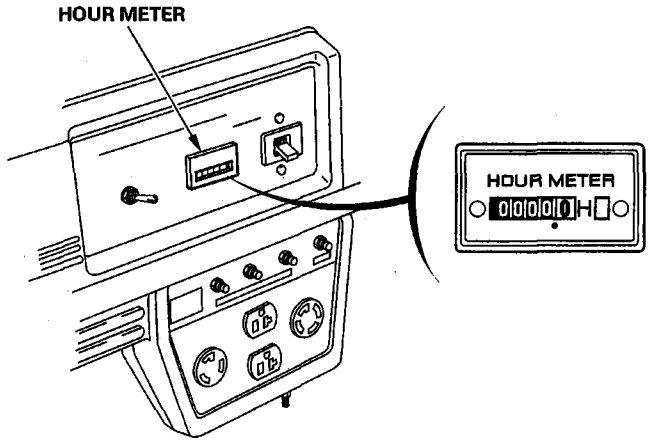
To start and stop the engine.

Key position:
OFF: To stop the engine. Key can be removed/inserted.
ON: To run the engine after starting.
START: To start the engine by operating the starter motor.



HOUR METER

The hour meter indicates the hours the generator has been operated. Use it to determine when scheduled maintenance should be performed (see page 29).

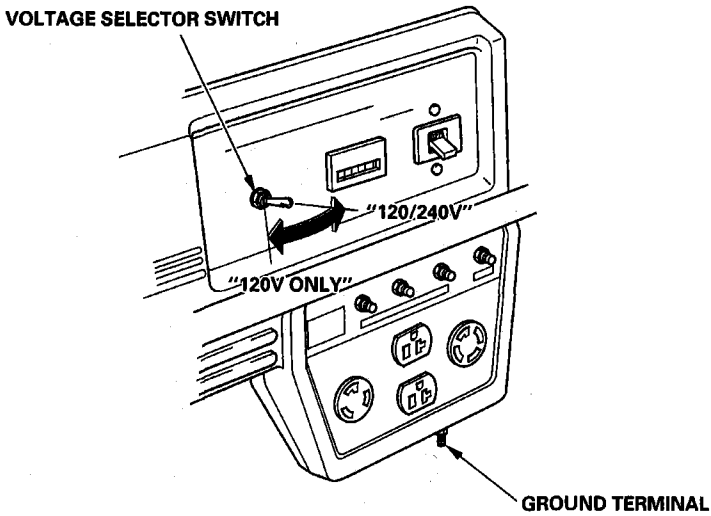


VOLTAGE SELECTOR SWITCH (DUAL VOLTAGE SYSTEM)

The voltage selector switches the main power carrying windings of the generator to produce "120V ONLY" or "120/240V". If a 240V appliance is connected to the 4-prong receptacle, the switch must be in the "120/240V" position. If only a 120V appliance is being connected to any of the 120V 3-prong receptacles, select the "120V ONLY" position.

120/240V: The 120V and 120/240V receptacles can be used simultaneously.

120V ONLY: ONLY the 120V receptacles can be used. Do not use the 120/240V receptacle in this position. Rated power will be available at the 30A 120V locking plug receptacle and the 20A 120V duplex receptacle.



GROUND TERMINAL

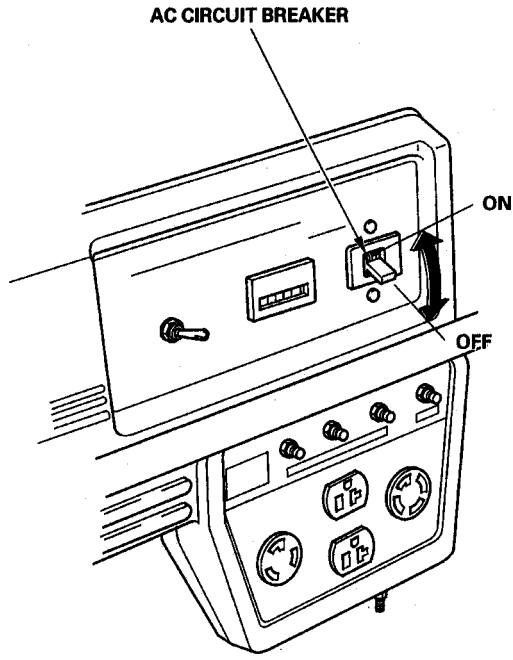
The generator ground terminal is connected to the frame of the generator, the metal non-current-carrying parts of the generator, and the ground terminals of each receptacle.

Before using the ground terminal, consult a qualified electrician, electrical inspector or local agency having jurisdiction for local codes or ordinances that apply to the intended use of the generator.

AC CIRCUIT BREAKER

The AC circuit breaker will automatically switch OFF if there is a short circuit or an overload of the generator at the AC receptacle. If the AC circuit breaker is switched OFF automatically, check that the appliance is working properly and does not exceed the rated load capacity of the AC circuit before switching the AC circuit breaker ON again.

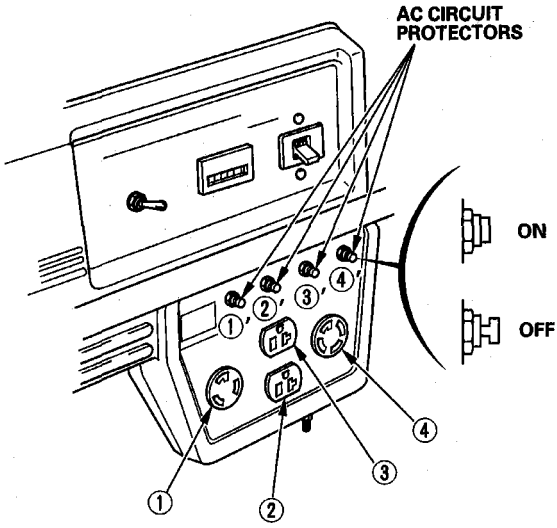
The AC circuit breaker may be used to switch the generator AC power ON or OFF.



AC CIRCUIT PROTECTOR

The AC circuit protectors will automatically switch OFF if there is a short circuit or a significant overload of the generator at each receptacle. If a AC circuit protector switches OFF automatically, check that the appliance is working properly and does not exceed the rated load capacity of the circuit before resetting the AC circuit protector ON.

①′ is a protector for ① receptacle (30 A, 120 V).
②′ is a protector for ② receptacle (20 A, 120 V).
③′ is a protector for ③ receptacle (20 A, 120 V).
④′ is a protector for ④ receptacle (30 A, 120 V/240 V).



OIL ALERT® SYSTEM

The Oil Alert® system is designed to prevent engine damage caused by an insufficient amount of oil in the crankcase. Before the oil level in the crankcase can fall below a safe limit, the Oil Alert® system will automatically stop the engine (the engine switch will remain in the ON position).

If the engine stops and will not restart, check the engine oil level (see page 21) before troubleshooting in other areas.

GENERATOR USE

CONNECTIONS TO A BUILDING ELECTRICAL SYSTEM

Connections for standby power to a building electrical system must be made by a qualified electrician. The connection must isolate the generator power from utility power, and must comply with all applicable laws and electrical codes.

⚠WARNING

Improper connections to a building electrical system can allow electrical current from the generator to backfeed into the utility lines. Such backfeed may electrocute utility company workers or others who contact the lines during a power outage, and the generator may explode, burn, or cause fires when utility power is restored. Consult the utility company or a qualified electrician.

GROUND SYSTEM

Honda portable generators have a system ground that connects generator frame components to the ground terminals in the AC output receptacles. The system ground is not connected to the AC neutral wire. If the generator is tested by a receptacle tester, it will not show the same ground circuit condition as for a home receptacle.

SPECIAL REQUIREMENTS

There may be Federal or State Occupational Safety and Health Administration (OSHA) regulations, local codes, or ordinances that apply to the intended use of the generator. Please consult a qualified electrician, electrical inspector, or the local agency having jurisdiction.

- In some areas, generators are required to be registered with local utility companies.
- If the generator is used at a construction site, there may be additional regulations which must be observed.

AC APPLICATIONS

Before connecting an appliance or power cord to the generator:

- Make sure that it is in good working order. Faulty appliances or power cords can create a potential for electrical shock.

- If an appliance begins to operate abnormally, becomes sluggish or stops suddenly, turn it off immediately. Disconnect the appliance, and determine whether the problem is the appliance, or if the rated load capacity of the generator has been exceeded.

- Make sure that the electrical rating of the tool or appliance does not exceed that of the generator. Never exceed the maximum power rating of the generator. Power levels between rated and maximum may be used for no more than 30 minutes.

NOTICE

Substantial overloading will open the circuit breaker. Exceeding the time limit for maximum power operation or slightly overloading the generator may not switch the circuit breaker OFF, but will shorten the service life of the generator.

Limit operation requiring maximum power to 30 minutes.
Maximum power is:

6.0 kVA

For continuous operation, do not exceed the rated power.
Rated power is:

5.0 kVA

The total power requirements (VA) of all appliances connected must be considered. Appliance and power tool manufacturers usually list rating information near the model number or serial number.

AC OPERATION

1. Start the engine (see page 23).

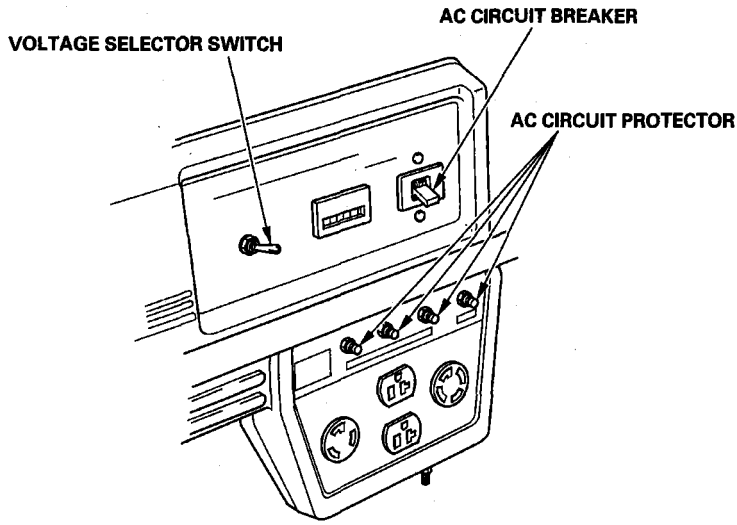
2. Turn the voltage selector switch to either position.

   With the voltage selector switch in the "120/240V" position, you can use the 120V and 120/240V receptacles simultaneously. If you are NOT using the 120/240V receptacle, but require more power from the 120V locking plug receptacle and duplex receptacle, then select the "120V ONLY" position.

3. Switch ON the AC circuit breaker.

4. Plug in the appliance.

Most motorized appliances require more than their rated wattage for startup.



Do not exceed the current limit specified for any one receptacle. If an overloaded circuit causes the AC circuit breaker or circuit protector to switch OFF, reduce the electrical load on the circuit, wait a few minutes and then reset the circuit breaker.

AC RECEPTACLE SELECTION

The generator has separate main power producing circuits. These two circuits supply equal power to different receptacles shown when the voltage selector switch is in the 120/240V position.

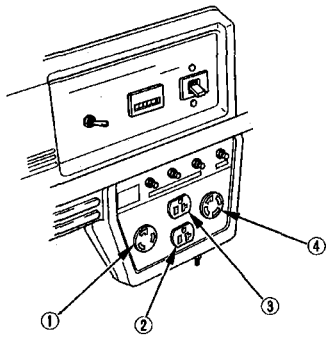
When two or more receptacles are used; prevent overloading by dividing the load between the two power circuits.
The chart below shows the rated load in amperes that can be connected to each receptacle to balance the generator.
The total rated ampere draw is 41.7 A.

Main power circuit	Receptacles powered by each main circuit	Power distribution
Main Circuit I	**3 and 4**	**3+4=20.8A rated.**
Main Circuit II	**1, 2 and 4**	**1+2+4=20.8A rated.**

* The table shows the specifications when the 120/240 V locking plug receptacle is used for 120 V.

Example:

Receptacle ① has a 10 A load connected to it. Receptacle ② has a 15A load connected to it. Both receptacles are powered by main power circuit II. The equation tells us that the total power draw on circuit II is 25A. This is a substantial overload of this circuit. To eliminate the excess power draw on circuit II, the load from receptacle ② should be switched to receptacle ③. Now circuit I is powering the 15 A load (less than 20.8 A) and circuit II is powering a 10 A load (less than 20.8 A).



① 120 V 30 A
② 120 V 20 A
③ 120 V 20 A
④ 120/240 V 30 A

HIGH ALTITUDE OPERATION

The EM6000GP does not require any modifications for high-altitude 1,500 meters (5,000 feet) operation. However, performance will decrease at high altitudes.

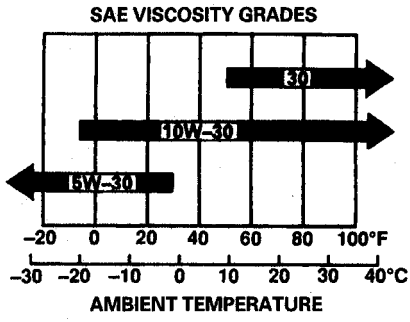
ENGINE OIL

NOTICE

Engine oil is a major factor affecting engine performance and service life. Non detergent and 2-stroke engine oils will damage the engine and are not recommended.

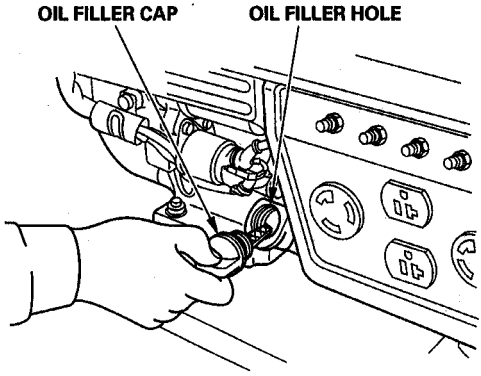
Check the oil level BEFORE EACH USE with the generator on a level surface and the engine stopped.

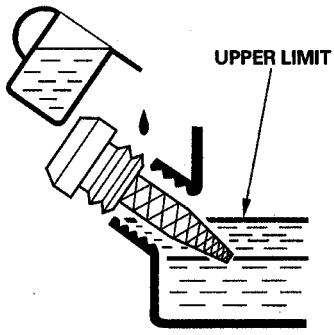
Use 4-stroke motor oil that meets or exceeds the requirements for API service classification SG. Always check the API SERVICE label on the oil container to be sure it includes the letters SG.



SAE 10W-30 is recommended for general, all-temperature use. Other viscosities shown in the chart may be used when the average temperature in your area is within the indicated range.

1. Remove the oil filler cap and wipe the dipstick clean.
2. Check the oil level by inserting the dipstick into the filler neck without screwing it in.
3. If the level is low, fill to the top of the oil filler neck with the recommended oil.

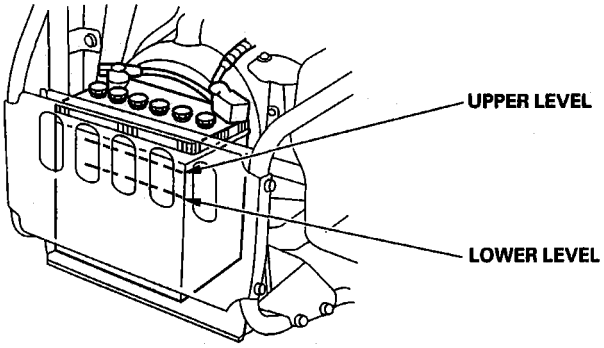




BATTERY

Battery handling differs according to the type of the battery and the instructions described below might not applicable to the battery of your generator. Refer to the battery manufacturer's instructions.

The electrolyte level must be kept between the UPPER and LOWER level marks.



If the electrolyte level is near the LOWER level, remove the battery filler caps and carefully add distilled water to the upper level line.

GAS CONNECTION

Open the gas main valve and check for gas leakage.

Liquid propane gas has a sulfur scent added. If you smell a "rotten egg" odor when the gas is turned on, turn the gas off and have the gas connection and generator inspected by a qualified propane technician or servicing Honda propane gas generator dealer.

A qualified propane gas technician must make the propane gas connection to your generator in accordance will all local regulations. See your local propane gas supplier or a servicing Honda propane gas generator dealer.

STARTING THE ENGINE

1. Make sure that the AC circuit breaker is in the OFF position. The generator may be hard to start if a load is connected.

2. Open the gas main valve.

   Liquid propane gas has a sulfur scent added. If you smell a "rotten egg" odor when the gas is turned on, turn the gas off and have the gas connection and generator inspected by a qualified propane technician or servicing Honda propane gas generator dealer.

3. Turn the engine switch to the START position and hold it there for 5 seconds or until the engine starts.

NOTICE

- **Operating the starter motor for more than 5 seconds can damage the motor. If the engine fails to start, release the switch and wait 10 seconds before operating the starter again.**
- **If the speed of the starter motor drops after a period of time, it is an indication that the battery should be recharged.**

When the engine starts, allow the engine switch to return to the ON position.

STOPPING THE ENGINE

STOPPING THE ENGINE

In an emergency:

1. To stop the engine in an emergency, move the engine switch to the OFF position.

In normal use:

1. Turn the AC circuit breaker to the OFF position.

2. Move the engine switch to the OFF position.

3. Close the gas main valve.

THE IMPORTANCE OF MAINTENANCE

Good maintenance is essential for safe, economical, and trouble-free operation. It will also help reduce air pollution.

⚠WARNING

Improper maintenance, or failure to correct a problem before operation, can cause a malfunction in which you can be seriously hurt or killed.

Always follow the inspection and maintenance recommendations and schedules in this owner's manual.

To help you properly care for your generator, the following pages include a maintenance schedule, routine inspection procedures, and simple maintenance procedures using basic hand tools. Other service tasks that are more difficult, or require special tools, are best handled by professionals and are normally performed by a Honda technician or other qualified mechanic.

The maintenance schedule applies to normal operating conditions. If you operate your generator under severe conditions, such as sustained high-load or high-temperature operation, or use it in unusually wet or dusty conditions, consult your servicing dealer for recommendations applicable to your individual needs and use.

Remember that your servicing dealer knows your generator best and is fully equipped to maintain and repair it.

To ensure the best quality and reliability, use only new, genuine Honda parts or their equivalents for repair or replacement.

Maintenance, replacement, or repair of the emission control devices and systems may be performed by any engine repair establishment or individual, using parts that are "certified" to EPA standards.

MAINTENANCE SAFETY

Some of the most important safety precautions follow. However, we cannot warn you of every conceivable hazard that can arise in performing maintenance. Only you can decide whether or not you should perform a given task.

⚠WARNING

Failure to properly follow maintenance instructions and precautions can cause you to be seriously hurt or killed.

Always follow the procedures and precautions in the owner's manual.

Safety precautions

- Make sure the engine is off before you begin any maintenance or repairs. This will eliminate several potential hazards:

  —**Carbon monoxide poisoning from engine exhaust.**
  Be sure there is adequate ventilation whenever you operate the engine.

  —**Burns from hot parts.**
  Let the engine and exhaust system cool before touching.

  —**Injury from moving parts.**
  Do not run the engine unless instructed to do so.

- Read the instructions before you begin, and make sure you have the tools and skills required.

- To reduce the possibility of fire or explosion, be careful when working around propane gas (LP-GAS). Use only a nonflammable solvent, not gasoline, to clean parts. Keep cigarettes, sparks, and flames away from all fuel-related parts.

EMISSION CONTROL SYSTEM INFORMATION

Source of Emissions

The combustion process produces carbon monoxide, oxides of nitrogen, and hydrocarbons. Control of hydrocarbons and oxides of nitrogen is very important because, under certain conditions, they react to form photochemical smog when subjected to sunlight. Carbon monoxide does not react in the same way, but it is toxic.

Honda utilizes lean carburetor settings and other systems to reduce the emissions of carbon monoxide, oxides of nitrogen, and hydrocarbons.

The U.S. and California Clean Air Acts

EPA and California regulations require all manufacturers to furnish written instructions describing the operation and maintenance of emission control systems.

The following instructions and procedures must be followed in order to keep the emissions from your Honda engine within the emission standards.

Tampering and Altering

Tampering with or altering the emission control system may increase emissions beyond the legal limit. Among those acts that constitute tampering are:

- Removal or alteration of any part of the intake, fuel, or exhaust systems.
- Altering or defeating the governor linkage or speed-adjusting mechanism to cause the engine to operate outside its design parameters.

Problems That May Affect Emissions

If you are aware of any of the following symptoms, have your engine inspected and repaired by your servicing dealer.

- Hard starting or stalling after starting.
- Rough idle.
- Misfiring or backfiring under load.
- Afterburning (backfiring).
- Black exhaust smoke or high fuel consumption.

Replacement Parts

The emission control systems on your Honda engine were designed, built, and certified to conform with EPA and California emission regulations. We recommend the use of genuine Honda parts whenever you have maintenance done. These original-design replacement parts are manufactured to the same standards as the original parts, so you can be confident of their performance. The use of replacement parts that are not of the original design and quality may impair the effectiveness of your emission control system.

A manufacturer of an aftermarket part assumes the responsibility that the part will not adversely affect emission performance. The manufacturer or rebuilder of the part must certify that use of the part will not result in a failure of the engine to comply with emission regulations.

Maintenance

Follow the maintenance schedule on page 29 . Remember that this schedule is based on the assumption that your machine will be used for its designed purpose. Sustained high-load or high-temperature operation, or use in unusually wet or dusty conditions, will require more frequent service.

MAINTENANCE SCHEDULE

	REGULAR SERVICE PERIOD (3) ITEM Performed at every indicated month or operating hour interval, whichever comes first.		Before each use	First month or 20 Hrs.	Every 3 months or 50 Hrs.	Every 6 months or 100 Hrs.	Every year or 300 Hrs.
•	Engine oil	Check level	O				
		Change		O		O	
•	Air cleaner	Check	O				
		Clean			O(1)		
•	Fuel line	Check	O				
	(Gas hose)	Replace	Every 2 years (2)				
•	Gas leakage		O				
	Battery fluid	Check level	O				
•	Spark plug	Check-Readjust				O	
		Replace					O
	Spark arrester	Clean				O	
•	Valve clearance	Check-Readjust					O(2)

• Emission related items.

(1)Service more frequently when used in dusty areas.

(2)These items should be serviced by an authorized Honda dealer, unless the owner has the proper tools and is mechanically proficient. See the Honda Shop Manual.

(3)For commercial use, log hours of operation to determine proper maintenance intervals.

ENGINE OIL CHANGE

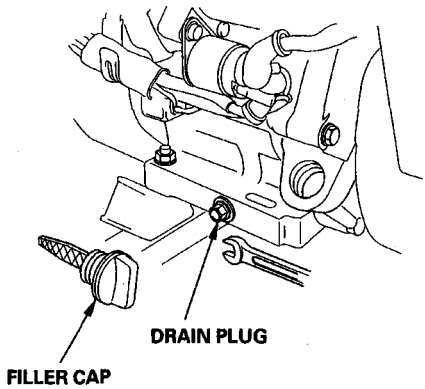
Drain the oil while the engine is warm to assure rapid and complete draining.

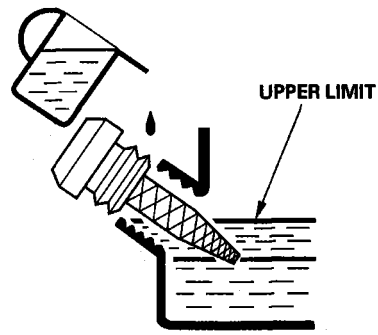
1. Remove the drain plug and sealing washer, remove the oil filler cap, and drain the oil.

2. Reinstall the drain plug and sealing washer. Tighten the plug securely.

3. Refill with the recommended oil (see page 21) and check the oil level.

Oil capacity: 1.1 ℓ (1.2 US qt , 1.0 Imp qt)





Wash your hands with soap and water after handling used oil.

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 or recycling center for reclamation. Do not throw it in the trash, pour it on the ground, or down a drain.

AIR CLEANER SERVICE

A dirty air cleaner will restrict air flow to the carburetor. To prevent carburetor malfunction, service the air cleaner regularly. Service more frequently when operating the generator in extremely dusty areas.

⚠WARNING

Using gasoline or flammable solvent to clean the air filter can cause a fire or explosion. Use only soapy water or nonflammable solvent.

NOTICE

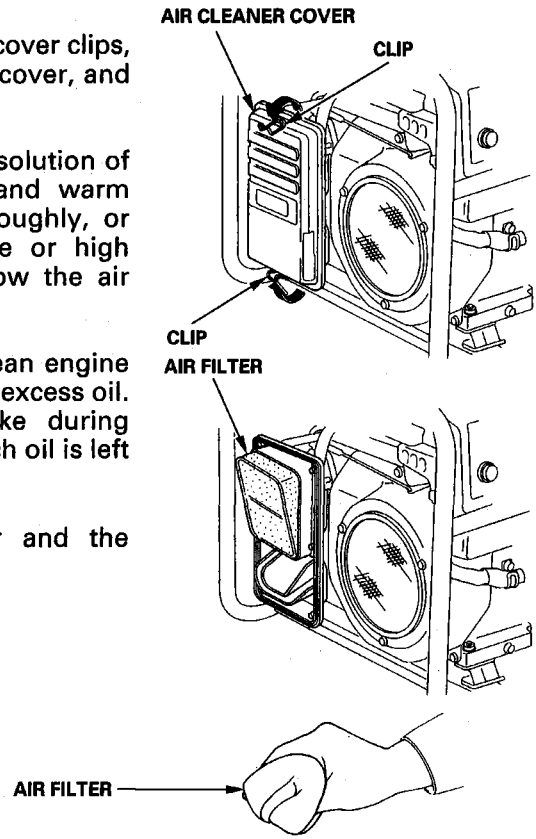
Never run the generator without the air filter. Rapid engine wear will result.

1. Unsnap the air cleaner cover clips, remove the air cleaner cover, and remove the air filter.

2. Wash the air filter in a solution of household detergent and warm water, then rinse thoroughly, or wash in nonflammable or high flashpoint solvent. Allow the air filter to dry thoroughly.

3. Soak the air filter in clean engine oil and squeeze out the excess oil. The engine will smoke during initial startup if too much oil is left in the air filter.

4. Reinstall the air filter and the cover.



SPARK PLUG SERVICE

In order to service the spark plug, you will need a spark plug wrench (commercially available).

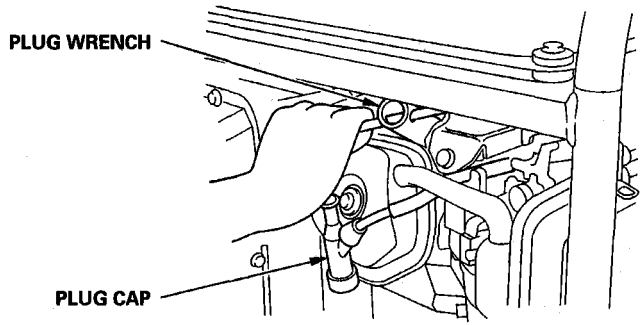
Recommended spark plugs: BPR6ES (NGK)

To ensure proper engine operation, the spark plug must be properly gapped and free of deposits.

1. Remove the spark plug cap.

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

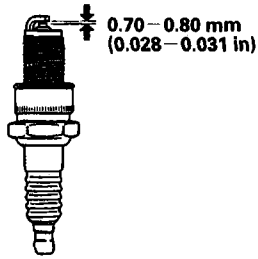
3. Use a spark plug wrench to remove the spark plug.



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

5. Measure the plug gap with a feeler gauge.
   Correct as necessary by carefully bending the side electrode.

   The gap should be:
   0.70–0.80 mm (0.028–0.031 in)



6. Check that the spark plug washer is in good condition, and thread the spark plug in by hand to prevent cross-threading.

7. After the spark plug is seated, tighten with a spark plug wrench to compress the washer.

   If installing a new spark plug, tighten 1/2 turn after the spark plug seats to compress the washer. If reinstalling a used spark plug, tighten 1/8 – 1/4 turn after the spark plug seats to compress the washer.

NOTICE

The spark plug must be securely tightened. An improperly tightened spark plug can become very hot and could damage the engine.
Never use spark plugs which have an improper heat range. Use only the recommended spark plugs or equivalent.

8. Reinstall the spark plug cap on the spark plug securely.

SPARK ARRESTER MAINTENANCE

If the generator has been running, the muffler will be very hot. Allow it to cool before proceeding.

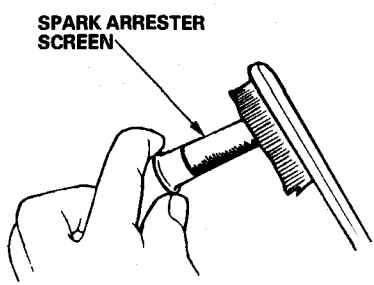
The spark arrester must be serviced every 100 hours to maintain its efficiency.

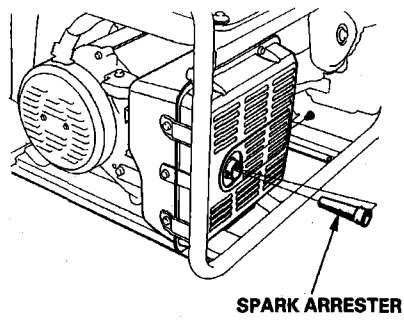
Clean the spark arrester as follows:

1. Loosen the screw by the exhaust port of the muffler and remove the spark arrester.

2. Use a brush to remove carbon deposits from the spark arrester screen.
   Inspect the screen for breaks or tears and replace it if necessary.

3. Install the spark arrester in the reverse order of removal.





PROPANE GAS HOSE

The propane gas hose must be inspected by a qualified propane gas professional. Consult your fuel supplier or servicing Honda propane gas generator dealer.

FUEL RECOMMENDATIONS

Use LP-GAS with a propane content of 95 % or higher.

This engine is certified to operate on LP-GAS only.

Occasionally you may hear a light "spark knock" or "pinging" (metallic rapping noise) while operating under heavy loads. This is no cause for concern.

If spark knock or pinging occurs at a steady engine speed, under normal load, change brands of LP-GAS. If spark knock or pinging persists, see an authorized Honda generator dealer.

NOTICE

Running the engine with persistent spark knock or pinging can cause engine damage.

Running the engine with persistent spark knock or pinging is misuse, and the *Distributor's Limited Warranty* does not cover parts damaged by misuse.

BATTERY CHARGING

Battery handling differs according to the type of the battery and the instructions described below might not applicable to the battery of your generator. Refer to the battery manufacturer's instructions.

The generator's engine has a approximate 2.5 amp charging system to charge the battery while the engine is running. If the generator is only used periodically, the battery must be charged monthly to maintain the battery service life.

A lead acid battery self discharges at a rate of 0.5—1.0% per day. This means that the battery, if the generator is not operated in a month, can discharge as much as 30% in the same period. This could cause the engine not to crank or shorten the service life of the battery. To charge the battery, following the battery manufacturer's instructions.

Before you can transport or store the generator, the propane supply line must be disconnected. A qualified propane technician must do this. Consult a local propane supplier or a servicing Honda propane gas generator dealer.

TRANSPORTING

If the generator has been used, allow it cool for at least 15 minutes before loading the generator on the transport vehicle. A hot engine and exhaust system can burn you and can ignite some material.
When transporting the generator, turn the engine switch OFF, close the gas main valve, disconnect the gas hose from the generator and keep the generator level.
Take care not to drop or strike the generator when transporting. Do not place heavy objects on the generator.

STORAGE

Before storing the unit for an extended period:

1. Be sure the storage area is free of excessive humidity and dust.

2. Service according to the table below:

STORAGE TIME	RECOMMENDED SERVICE PROCEDURE TO PREVENT HARD STARTING
Less than 1 month	No preparation required
1 month to 1 year	• Disconnect the battery cables from the battery. • Once a month, recharge the battery (page 36).
1 year or more	• Remove the spark plug. Put a tablespoon of engine oil into the cylinder. Turn the engine slowly to distribute the oil. Reinstall the spark plug. • Change the engine oil (page 30). • Disconnect the battery cables from the battery. • Once a month, recharge the battery (page 36).

Storage Procedure

1. Close the gas main valve and disconnect the gas hose from the generator. Cover the opening of the gas inlet port with nonporous material to prevent dust or moisture from entering the engine.

2. Change the engine oil (page 30).

3. Remove the spark plug, and pour about a tablespoon of clean engine oil into the cylinder. Crank the engine several revolutions to distribute the oil, then reinstall the spark plug.

When the engine will not start:

Is the main valve opened? NO → Open the main valve.

YES ↓

Consult a qualified propane gas technician or servicing Honda propane gas generator dealer.

Is there enough oil in the engine? NO → Add the recommended oil.

YES ↓

Is there a spark from the spark plug? NO → Replace the spark plug. → Take the generator to an authorized Honda generator dealer.

Still NO spark

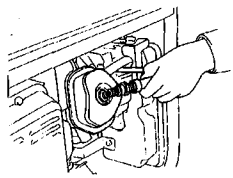
YES ↓

If the engine still does not start, take the generator to an authorized Honda generator dealer.

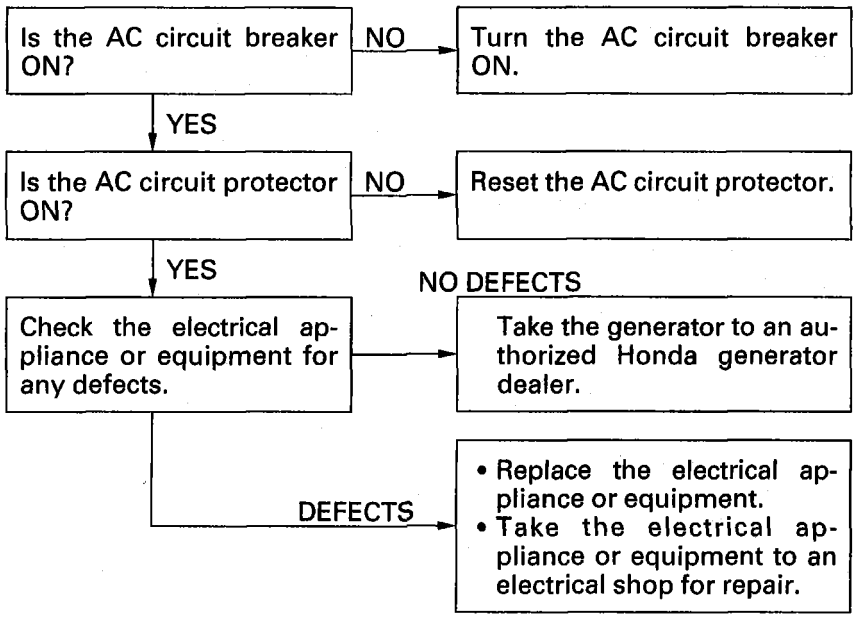
To check:

Be sure to close the gas main valve before performing spark test.

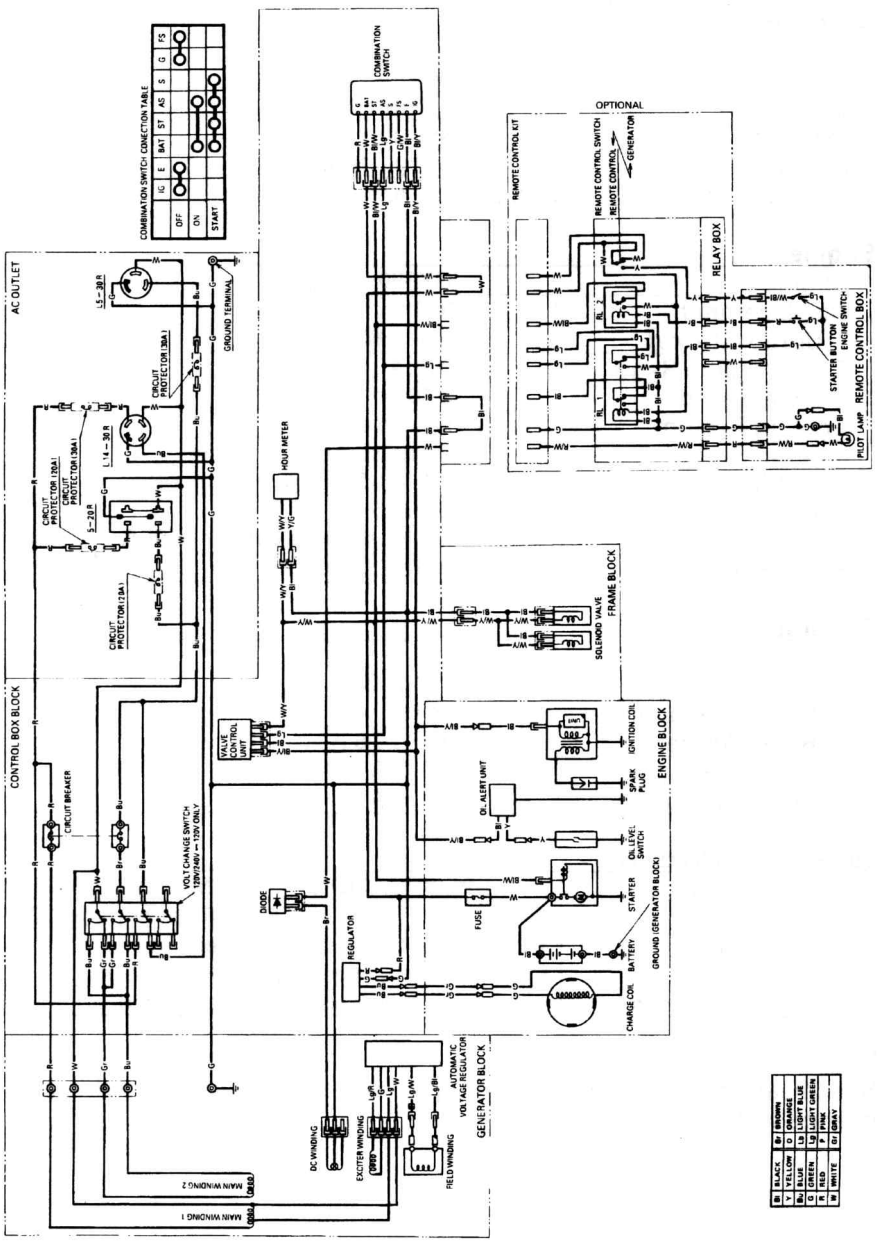
1) Remove the spark plug cap and clean any dirt from around the spark plug.
2) Remove the spark plug and install the spark plug in the plug cap.
3) Set the plug side electrode on the cylinder head.
4) Crank the engine, sparks should jump across the gap.



No electricity at the AC receptacles:



WIRING DIAGRAM



SPECIFICATIONS

Dimensions

Power product description code	EZGR
Length *	845 mm (33.3 in)
Width *	510 mm (20.1 in)
Height *	490 mm (19.3 in)
Dry weight *	83 kg (183 lbs)

*: Without wheel kit (wheels, stands, and handles)

Engine

Engine	GX390 (LP-GAS)
Displacement [Bore x Stroke]	389 cm^3 (23.7 cu-in) [88 × 64 mm (3.5 × 2.5 in)]
Compression Ratio	8.0 : 1
Engine Speed	3,600 rpm
Cooling System	Forced air
Ignition System	Transistorized magneto
Oil Capacity	1.1 ℓ (1.2 US qt , 1.0 Imp qt)
Fuel	LP-GAS (with a propane content of 95 % or higher)
Spark Plug	BPR6ES (NGK)

Generator

AC output	
Rated Voltage	120/240 V
Rated Frequency	60 Hz
Rated Ampere	41.7/20.8 A
Rated Output	5.0 kVA
Maximum Output	6.0 kVA

Tune-up Specifications

ITEM	SPECIFICATION	MAINTENANCE
Spark plug gap	0.70–0.80 mm (0.028–0.031 in)	Refer to page: 32
Valve clearance	IN: 0.15 ± 0.02 mm (cold) EX: 0.20 ± 0.02 mm (cold)	See your authorized Honda dealer
Other specifications	No other adjustments needed.	

NOTE:

Specifications may vary according to the types, and are subject to change without notice.

BATTERY TRAY KIT

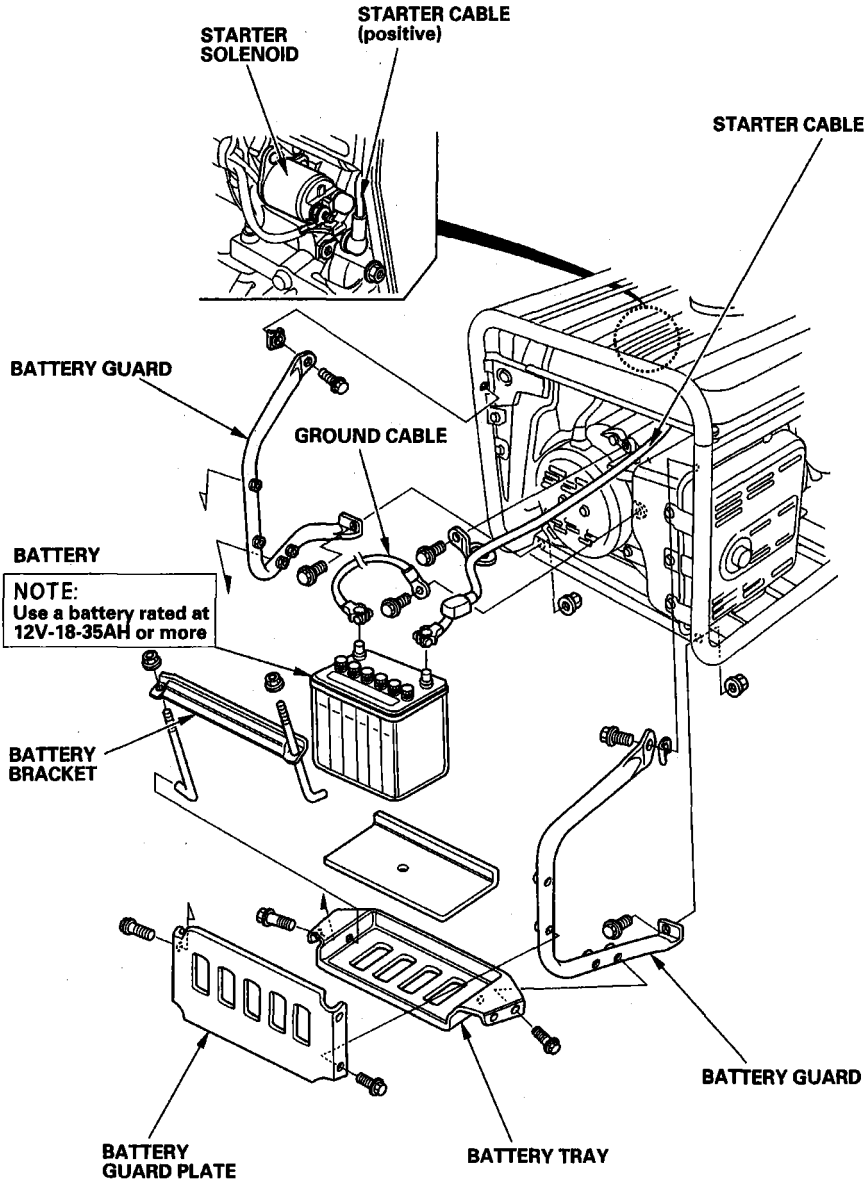
1. Install the battery guard on the frame.
   Set the battery tray on the battery guard and tighten the bolts.

2. Route the starter cable under the top cover and connect it to the starter solenoid.

3. Connect the ground cable to the generator rear housing.

4. Set the battery on the battery tray and secure with the battery bracket.
   Connect the starter cable to the battery positive (+) terminal first, then to the negative (−) terminal. When disconnecting, disconnect at the battery negative (−) terminal first.

5. Install the battery guard plate on the battery guard.

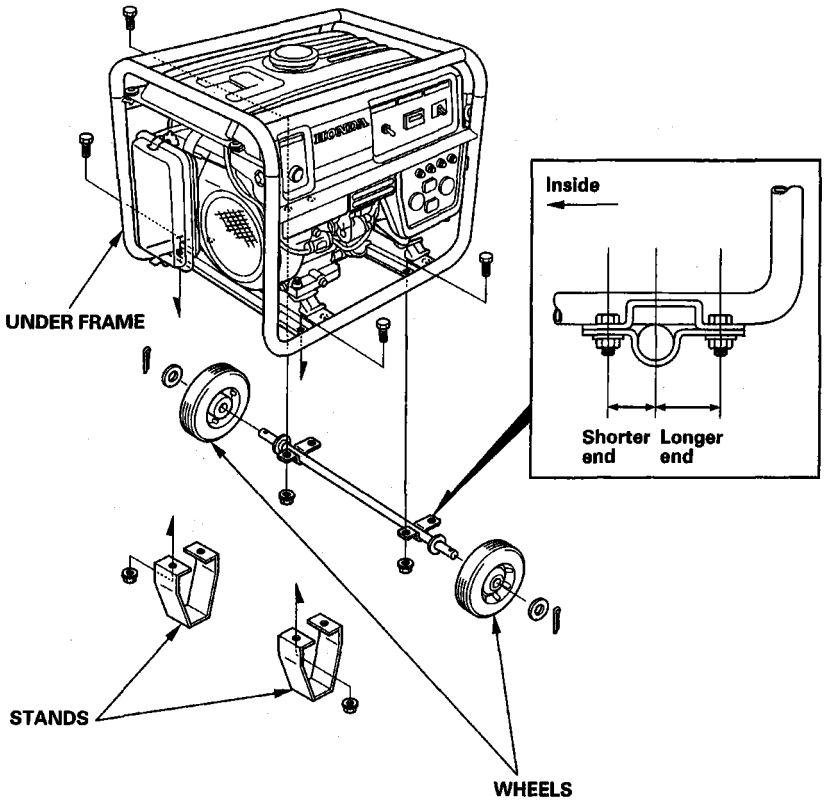

STARTER SOLENOID
STARTER CABLE (positive)
STARTER CABLE
BATTERY GUARD
GROUND CABLE
BATTERY
NOTE:
Use a battery rated at 12V-18-35AH or more
BATTERY BRACKET
BATTERY GUARD
BATTERY GUARD PLATE
BATTERY TRAY

WHEEL KIT

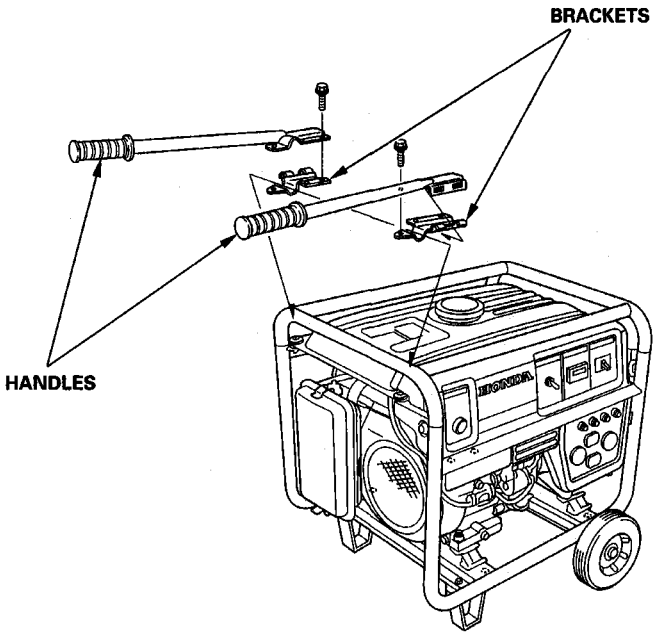
1. Install the two wheels on the axle shaft.

2. Install the axle assembly on the generator using two bolts and nuts.

3. Install the two stands on the under frame.



4. Remove the upper frame. Install the two handles with brackets on it using six bolts and install the upper frame on the body using four bolts.

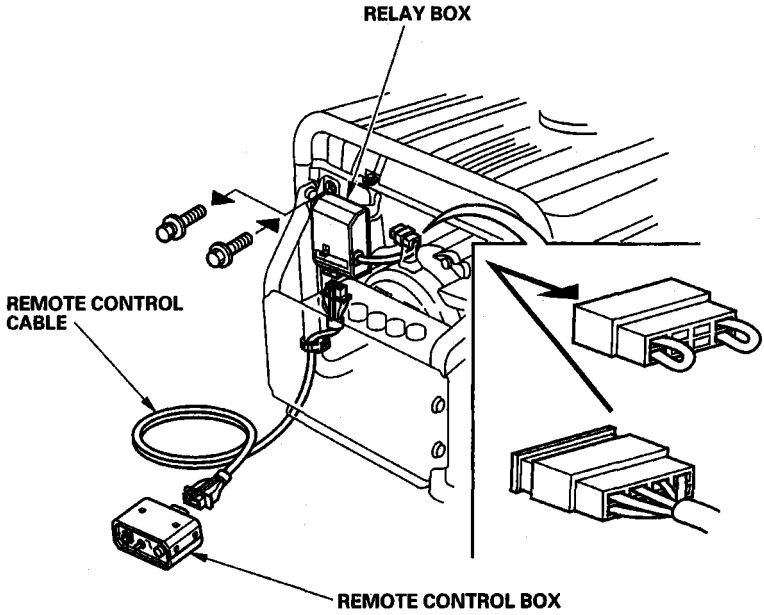


REMOTE CONTROL KIT (optional parts)

1. Install the relay box on the right side of the generator.

2. Remove the blind 8-P connector from the back of the control box and connect the relay box connector instead.

3. Connect the remote control cable to the remote control and relay box.



NOTE:
- Connect the blind connector when not using the remote control kit.
- Engine will not start unless the blind connector is connected.

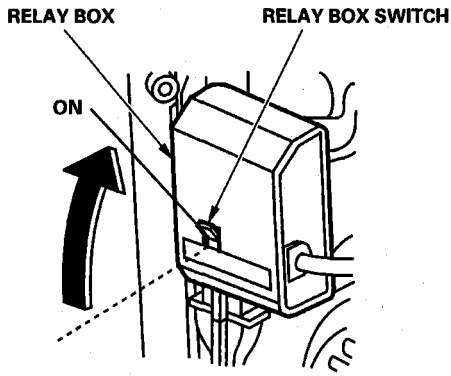
Starting the engine with remote control

1. Turn off the engine switch at the generator and remove the key.

2. Turn the relay box switch to the ON position.

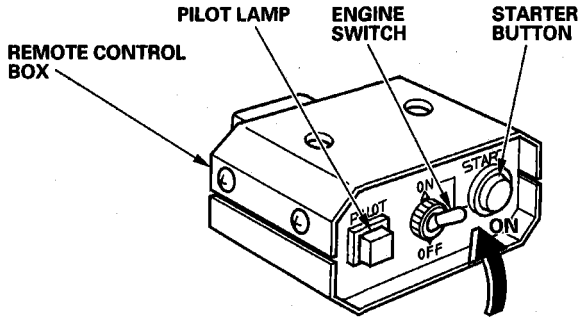
3. Open the main gas valve.

   Liquid propane gas has a sulfur scent added. If you smell a "rotten egg" odor when the gas is turned on, turn the gas off and have the gas connection and generator inspected by a qualified propane technician or servicing Honda propane gas generator dealer.



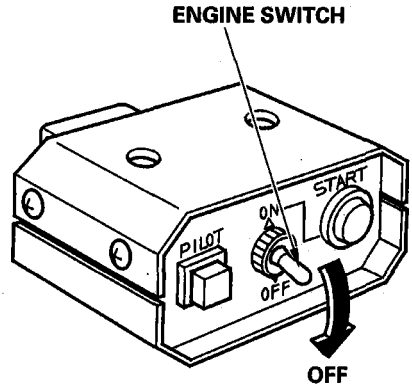
4. Turn the engine switch at the remote control box to the ON position.

5. Press the starter button until the engine starts. The pilot lamp comes on after the engine starts.

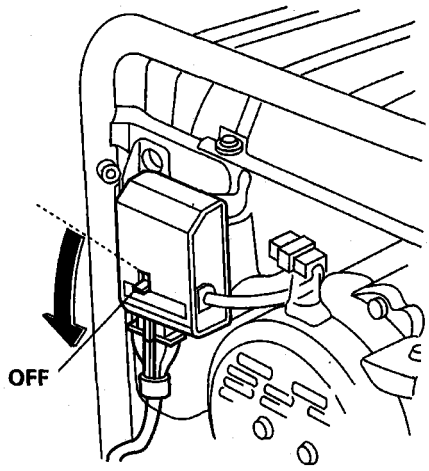


Stopping the engine

1. Turn the engine switch at the remote control box to the OFF position.



2. Turn the relay box switch to the OFF position.



3. Close the gas main valve.

WARRANTY SERVICE INFORMATION

Servicing dealership personnel are trained professionals. They should be able to answer any question you may have. If you encounter a problem that your dealer does not solve to your satisfaction, please discuss it with the dealership's management. The Service Manager or General Manager can help. Almost all problems are solved in this way.

If you are dissatisfied with the decision made by the dealership's management, contact the Honda Power Equipment Customer Relations Office. You can write to:

American Honda Motor Co., Inc.
Power Equipment Division
Customer Relations Office
4900 Marconi Drive
Alpharetta, Georgia 30005-8847

Or telephone: (770) 497-6400

When you write or call, please give us this information:

- Model and serial number (see pages 9 and 10)
- Name of dealer who sold the generator to you
- Name and address of dealer who services your generator
- Date of purchase
- Your name, address, and telephone number
- A detailed description of the problem

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