

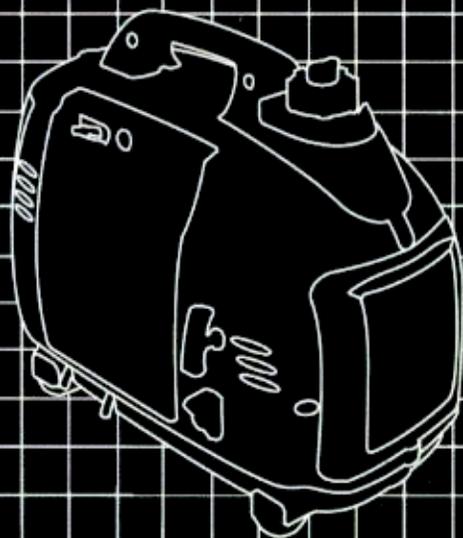
**HONDA**

**Power**

**Equipment**

# Owner's Manual

## EX700c





## **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.

The information and specifications included in this publication were in effect at the time of approval for printing. Honda Motor Co., Ltd. reserves the right, however, to discontinue or change specifications or design at any time without notice and without incurring any obligation whatever. No part of this publication may be reproduced without written permission.

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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 Honda servicing dealer is dedicated to your satisfaction and will be pleased to answer your questions and concerns.

Best Wishes,  
Honda Motor Co., Ltd.

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## 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.

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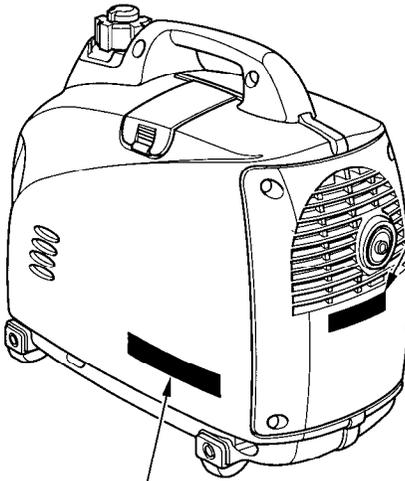
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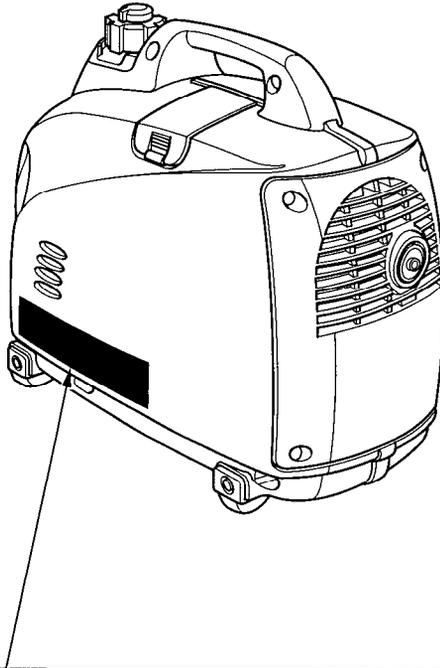
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## SAFETY LABEL LOCATIONS

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.





**⚠ WARNING**

GASOLINE IS HIGHLY FLAMMABLE AND EXPLOSIVE. YOU CAN BE BURNED OR SERIOUSLY INJURED WHEN HANDLING FUEL.



- STOP THE ENGINE AND KEEP HEAT, SPARKS, AND FLAME AWAY.
- HANDLE FUEL ONLY OUTDOORS.
- DO NOT FILL THE FUEL TANK ABOVE THE UPPER LIMIT LINE.
- WIPE UP SPILLS IMMEDIATELY.
- AFTER OPERATION, TURN THE ENGINE SWITCH AND FUEL TANK CAP LEVER TO THE "OFF" POSITION PREVENT FUEL LEAKAGE.

CARBON MONOXIDE GAS IS TOXIC. BREATHING IT CAN CAUSE UNCONSCIOUSNESS AND EVEN KILL YOU.



- AVOID ANY ENCLOSED AREAS OR ACTIVITIES THAT EXPOSE YOU TO CARBON MONOXIDE.

**⚠ WARNING**

IMPROPER CONNECTIONS TO A BUILDING CAN ALLOW ELECTRICAL CURRENT TO BACKFEED INTO UTILITY LINES, CREATING AN ELECTROCUTION HAZARD.



- CONNECTIONS TO A BUILDING MUST ISOLATE GENERATOR POWER FROM UTILITY POWER AND COMPLY WITH ALL APPLICABLE LAWS AND ELECTRICAL CODES.

THE GENERATOR IS A POTENTIAL SOURCE OF ELECTRICAL SHOCK IF NOT KEPT DRY.



- DO NOT EXPOSE THE GENERATOR TO MOISTURE, RAIN, OR SNOW.
- DO NOT OPERATE THE GENERATOR WITH WET HANDS.

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## **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.

### **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 building up, provide adequate ventilation.

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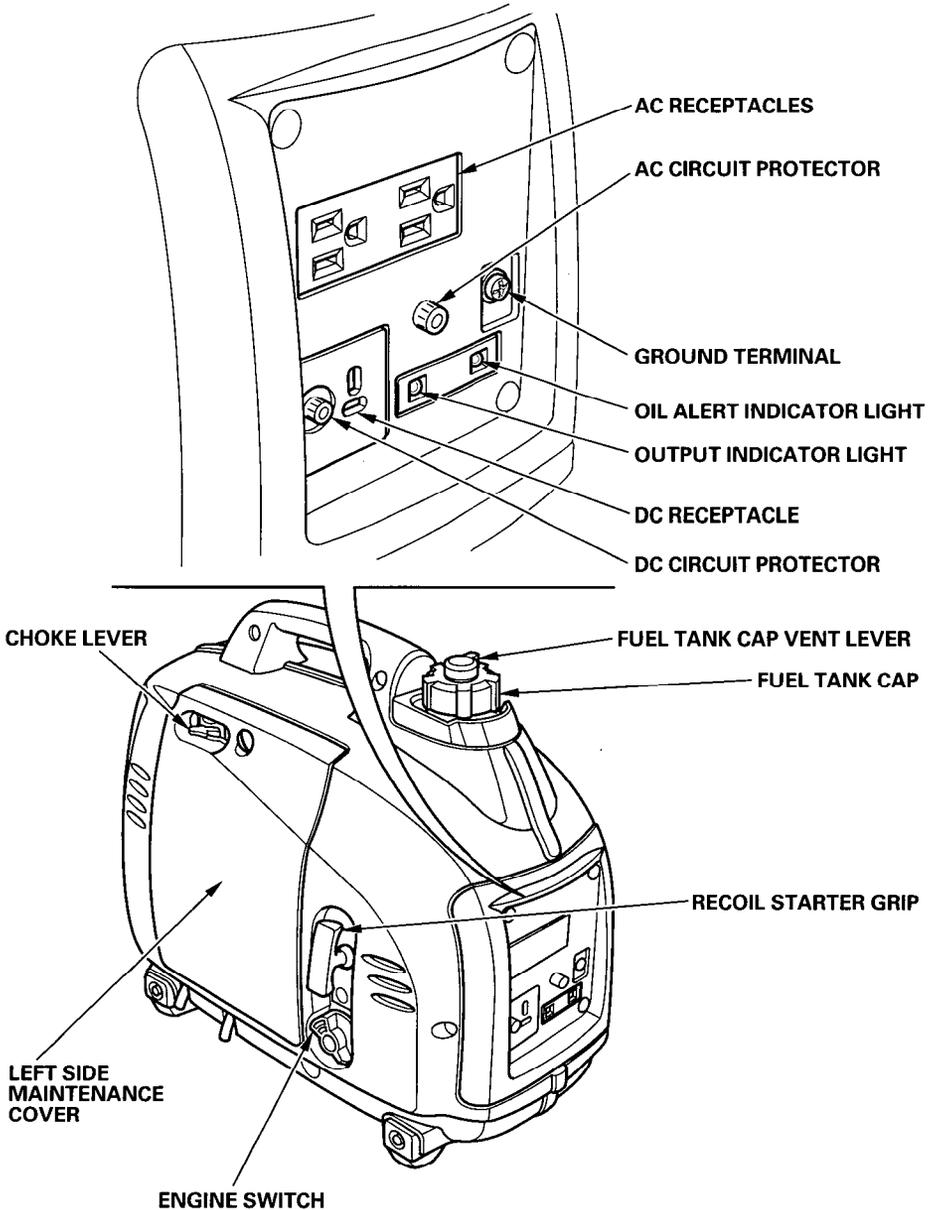
## **Electric Shock Hazards**

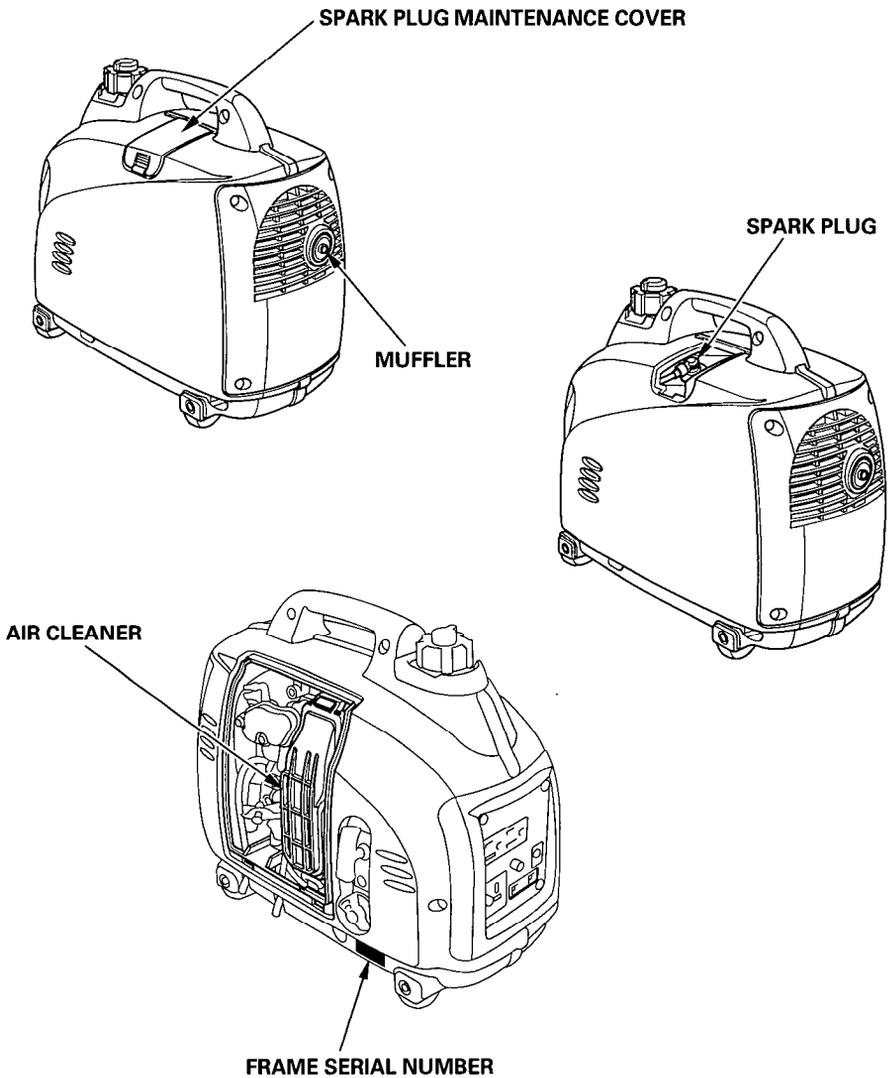
- The generator produces enough electric power to cause a serious shock or electrocution if misused.
- Using a generator or electrical appliance in wet conditions, such as rain or snow, or near a pool or sprinkler system, or when your hands are wet, could result in electrocution. Keep the generator dry.
- 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's electrical system unless an isolation switch has been installed by a qualified electrician.

## **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.
- Gasoline is extremely flammable and is explosive under certain conditions. Do not smoke or allow flames or sparks where the generator is refueled or where gasoline is stored. Refuel in a well-ventilated area with the engine stopped.
- Fuel vapors are extremely flammable and may ignite after the engine has started. Make sure that any spilled fuel has been wiped up before starting the generator.

# COMPONENT IDENTIFICATION





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

Frame serial number: \_\_\_\_\_

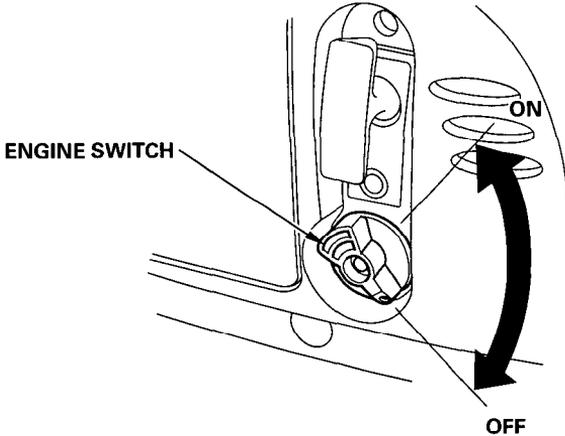
## ENGINE SWITCH

To start and stop the engine.

### Switch position:

**OFF:** To stop the engine.

**ON:** To start and run the engine.

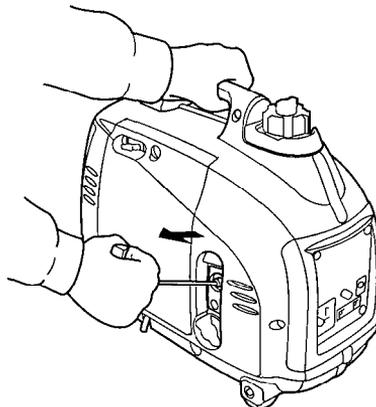


## RECOIL STARTER

To start the engine, pull the starter grip lightly until resistance is felt, then pull briskly.

### NOTICE

**Do not allow the starter grip to snap back against the engine. Return it gently to prevent damage to the starter.**



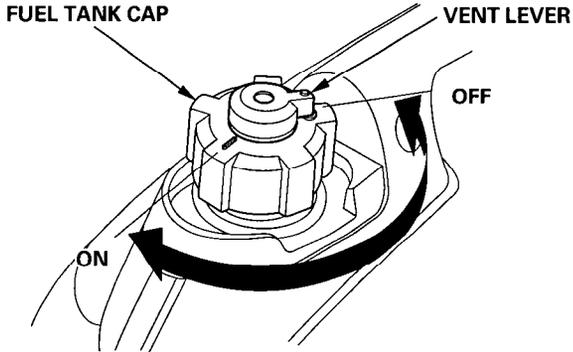
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## FUEL TANK CAP VENT LEVER

The fuel tank cap is provided with a vent lever to seal the fuel tank.

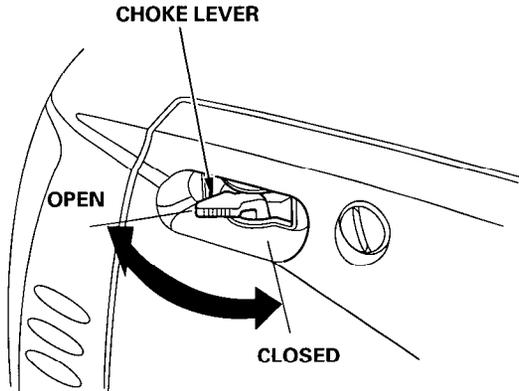
The vent lever must be in the ON position for the engine to run.

When the engine is not in use, leave the vent lever in the OFF position to reduce the possibility of fuel leakage.



## CHOKE LEVER

The choke is used to provide proper starting mixture when the engine is cold. It can be opened and closed by operating the choke lever manually. Move the choke lever to the CLOSED position to enrich the mixture for cold starting.



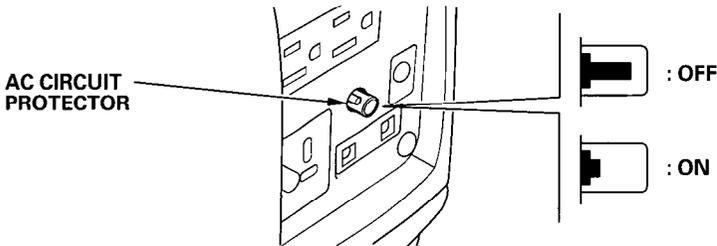
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## AC CIRCUIT PROTECTOR

The AC circuit protector will automatically shut off the AC output power if there is a short circuit or a significant overload of the generator at the generator receptacle.

The yellow indicator inside the clear circuit protector button will pop out to show that the circuit protector has switched off. Wait a few minutes and push the button in to reset the circuit protector, and then restart the engine.

If the circuit protector is switched off, check that the appliance is working properly and does not exceed the rated load capacity of the circuit before switching the circuit protector ON again.

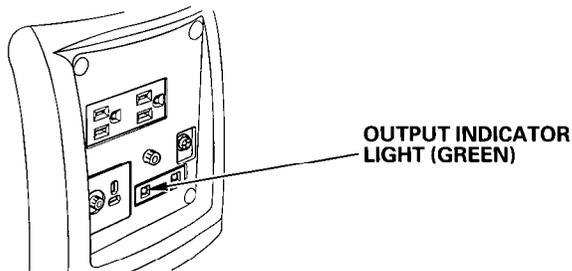


## OUTPUT INDICATOR LIGHT

The output indicator light (green) will remain ON during normal operating conditions.

If the output indicator light (green) blinks, current to the connected appliance(s) will shut off. When this happens, stop the engine and disconnect the appliance(s). Then restart the engine.

If the output indicator light (green) blinks again, consult your Honda generator dealer.

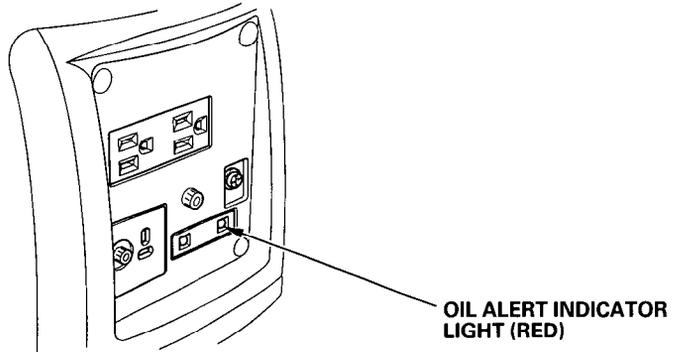


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## OIL ALERT® SYSTEM

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 indicator light comes on and the Oil Alert® system will automatically stop the engine (the engine switch will remain in the ON position).

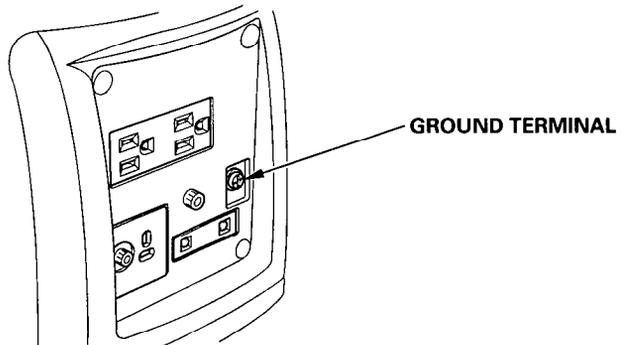
If the engine stops or the oil alert indicator light comes on when you pull the starter grip, check the engine oil level (see page 22) before troubleshooting in other areas.



## 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.



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## DC RECEPTACLE

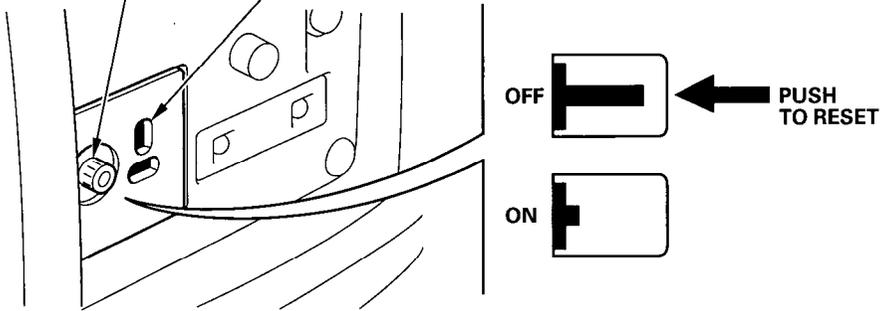
The DC receptacle should **ONLY** be used for charging 12-volt automotive type batteries.

## DC CIRCUIT PROTECTOR

The DC circuit protector automatically shuts off the DC battery charging circuit when the DC charging circuit is overloaded, when there is a problem with the battery, or when the connections between the battery and the generator are improper.

DC CIRCUIT PROTECTOR

DC RECEPTACLE



# GENERATOR USE

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## CONNECTIONS TO A BUILDING'S ELECTRICAL SYSTEM

Connections for standby power to a building's 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's 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.

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## 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 switch off the AC circuit protector. Exceeding the time limit for maximum power operation or slightly overloading the generator may not switch the AC circuit protector OFF, but will shorten the service life of the generator.**

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

700 VA

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

600 VA

You may use AC power and DC charging at the same time. However, do not exceed 500 VA for AC power or the DC output power will be reduced and the battery will not be charged.

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 and make sure the output indicator light (green) comes on (see page 27).
2. Plug in the appliance.

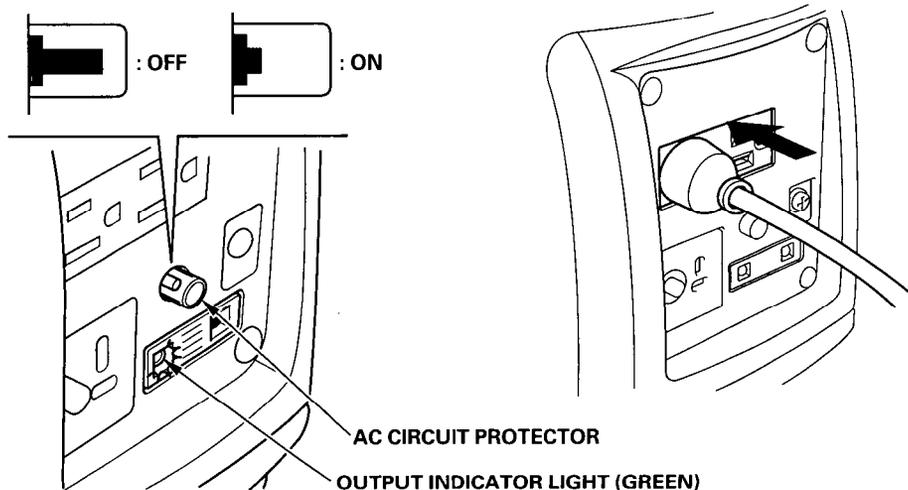
### NOTICE

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

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 protector to switch OFF, reduce the electrical load on the circuit, wait a few minutes and then reset the AC circuit protector.

The yellow indicator inside the clear circuit protector button will pop out to show that the circuit protector has switched off. Push the button in to reset the circuit protector.



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## DC OPERATION

The DC receptacle should ONLY be used for charging 12-volt automotive type batteries.

### Connecting the battery charging cable:

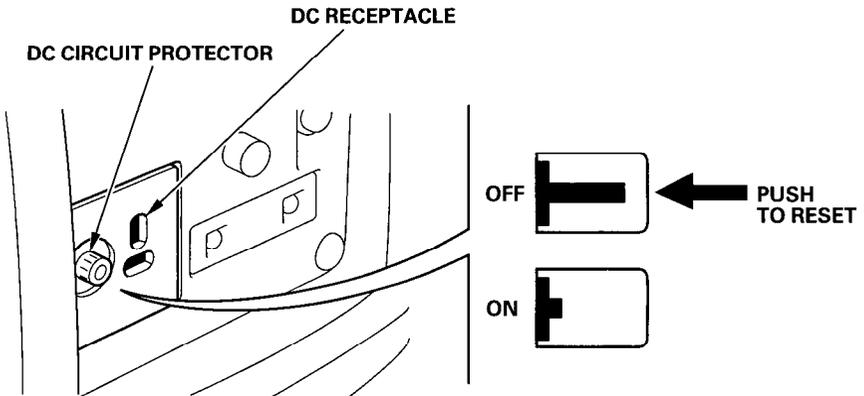
1. Before connecting the battery charging cable to a battery that is installed in a vehicle, disconnect the vehicle's grounded battery cable.

#### **⚠WARNING**

**A battery can explode if you do not follow the correct procedure, seriously injuring anyone nearby.**

**Keep all sparks, open flames, and smoking materials away from the battery.**

2. Plug the battery charging cable into the DC receptacle of the generator.
3. Connect the red lead of the battery charging cable to the positive (+) battery terminal and the black lead to the negative (-) battery terminal.



4. Start the generator.

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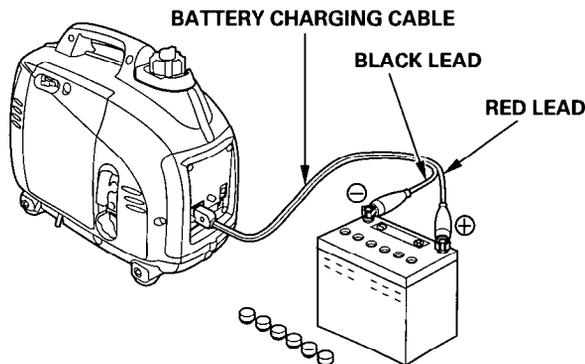
**NOTICE**

**Do not start the vehicle while the battery charging cable is connected and the generator is running. The vehicle or the generator may be damaged.**

An overloaded DC circuit, excessive current draw by the battery, or a wiring problem will trip the DC circuit protector (PUSH button extends out). If this happens, wait a few minutes before pushing in the circuit protector to resume operation. If the circuit protector continues to go OFF, discontinue charging and see your authorized Honda generator dealer.

### **Disconnecting the battery charging cable:**

1. Stop the engine.
2. Disconnect the black lead of the battery charging cable from the battery negative (–) terminal.
3. Disconnect the red lead of the battery charging cable from the battery positive (+) terminal.
4. Disconnect the battery charging cable from the DC receptacle of the generator.
5. Connect the vehicle ground cable to the battery negative (–) terminal.
6. Reconnect the vehicle grounded battery cable.



---

## HIGH ALTITUDE OPERATION

At high altitude, the standard carburetor air-fuel mixture will be too rich. Performance will decrease, and fuel consumption will increase. A very rich mixture will also foul the spark plug and cause hard starting.

High altitude performance can be improved by specific modifications to the carburetor. If you always operate your generator at altitudes above 1,500 meters (5,000 feet), have your dealer perform this carburetor modification.

Even with carburetor modification, engine horsepower will decrease about 3.5% for each 300-meter (1,000-foot) increase in altitude. The effect of altitude on horsepower will be greater than this if no carburetor modification is made.

### NOTICE

**When the carburetor has been modified for high altitude operation, the air-fuel mixture will be too lean for low altitude use. Operation at altitudes below 1,500 meters (5,000 feet) with a modified carburetor may cause the engine to overheat and result in serious engine damage. For use at low altitudes, have your dealer return the carburetor to original factory specifications.**

# PRE-OPERATION CHECK

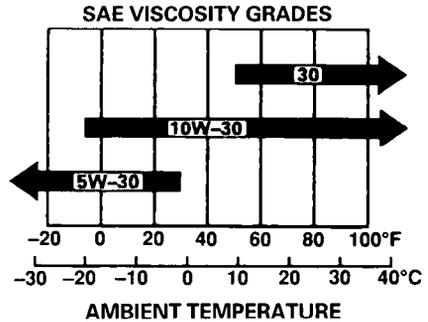
## ENGINE OIL

### 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.

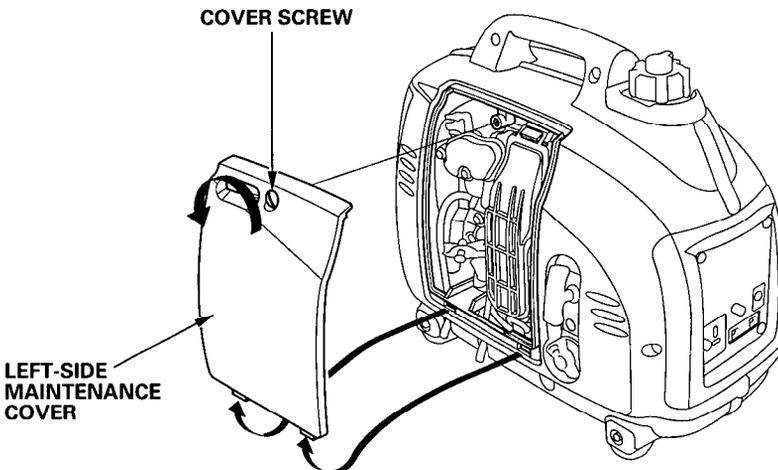
Check the oil level **BEFORE EACH USE** with the generator on a level surface and the engine stopped.

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

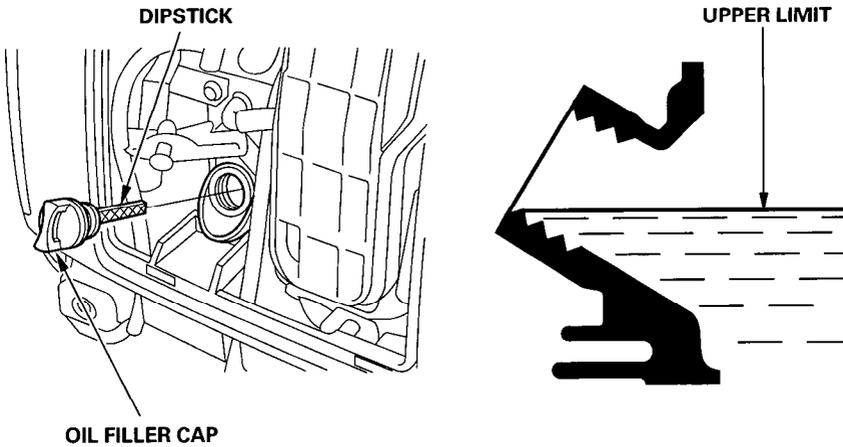


SAE 10W-30 is recommended for general, all-temperature use. Other viscosities shown in the chart may be used when the average temperature in your area is within the indicated range.

1. Loosen the cover screw and remove the left-side maintenance cover.



- 
2. Remove the oil filler cap and wipe the dipstick clean.
  3. Check the oil level by inserting the dipstick into the filler neck without screwing it in.
  4. If the level is low, fill to the top of the oil filler neck with the recommended oil.
  5. Reinstall the left-side maintenance cover and tighten the cover screw securely.



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## REFUELING

### Fuel tank capacity:

2.3 ℓ (0.61 US gal , 0.51 Imp gal)

With the engine stopped, remove the fuel tank cap and check the fuel level. Refill the fuel tank if the fuel level is low.

### **▲WARNING**

**Gasoline is highly flammable and explosive. You can be burned or seriously injured when handling fuel.**

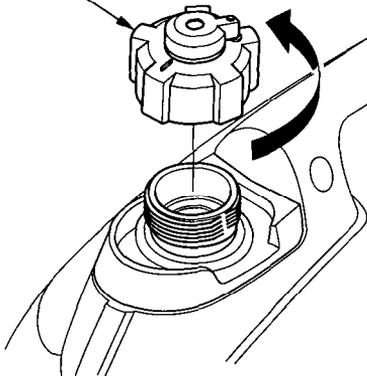
- **Stop the engine and keep heat, sparks, and flame away.**
- **Handle fuel only outdoors.**
- **Wipe up spills immediately.**

Refuel in a well-ventilated area with the engine stopped. If the engine has been running, allow it to cool first. Refuel carefully to avoid spilling fuel. Do not fill above the upper limit mark. After refueling, tighten the fuel tank cap securely.

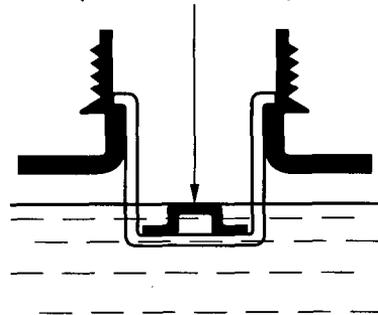
Never refuel the engine inside a building where gasoline fumes may reach flames or sparks. Keep gasoline away from appliance pilot lights, barbecues, electric appliances, power tools, etc.

Spilled fuel is not only a fire hazard, it causes environmental damage. Wipe up spills immediately.

FUEL TANK CAP



MAXIMUM FUEL LEVEL  
(UPPER LIMIT MARK)



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## FUEL RECOMMENDATIONS

Use unleaded gasoline with a pump octane rating of 86 or higher.

This engine is certified to operate on unleaded gasoline. Unleaded gasoline produces fewer engine and spark plug deposits and extends exhaust system life.

Never use stale or contaminated gasoline or an oil/gasoline mixture. Avoid getting dirt or water in the fuel tank.

Occasionally you may hear 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 gasoline. 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.

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## Oxygenated Fuels

Some conventional gasolines are being blended with alcohol or an ether compound. These gasolines are collectively referred to as oxygenated fuels. To meet clean air standards, some areas of the United States and Canada use oxygenated fuels to help reduce emissions.

If you use an oxygenated fuel, be sure it is unleaded and meets the minimum octane rating requirement.

Before using an oxygenated fuel, try to confirm the fuel's contents. Some states/provinces require this information to be posted on the pump.

The following are the EPA approved percentages of oxygenates:

**ETHANOL** — (ethyl or grain alcohol) 10% by volume  
You may use gasoline containing up to 10% ethanol by volume. Gasoline containing ethanol may be marketed under the name "Gasohol".

**MTBE** — (methyl tertiary butyl ether) 15% by volume  
You may use gasoline containing up to 15% MTBE by volume.

**METHANOL** — (methyl or wood alcohol) 5% by volume  
You may use gasoline containing up to 5% methanol by volume as long as it also contains cosolvents and corrosion inhibitors to protect the fuel system. Gasoline containing more than 5% methanol by volume may cause starting and/or performance problems. It may also damage metal, rubber, and plastic parts of your fuel system.

If you notice any undesirable operating symptoms, try another service station or switch to another brand of gasoline.

Fuel system damage or performance problems resulting from the use of an oxygenated fuel containing more than the percentages of oxygenates mentioned above are not covered under warranty.

## STARTING THE ENGINE

1. Make sure that all appliances are disconnected from the AC receptacles.
2. Turn the vent lever to the ON position.
3. To start a cold engine, move the choke lever to the CLOSED position.  
To restart a warm engine, leave the choke lever in the OPEN position.
4. Turn the engine switch to the ON position.
5. Pull the starter grip lightly until resistance is felt, then pull briskly.

**NOTICE**

**Do not allow the starter grip to snap back against the engine. Return it gently to prevent damage to the starter or housing.**

6. If the choke lever was moved to the CLOSED position to start the engine, gradually move it to the OPEN position as the engine warms up.

# **STOPPING THE ENGINE**

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## **STOPPING THE ENGINE**

To stop the engine in an emergency, simply turn the engine switch to the OFF position. Under normal conditions, use the following procedure.

1. Unplug appliances from the generator receptacles.
2. Turn the engine switch to the OFF position.  
The fuel valve will automatically close.
3. Turn the vent lever to the OFF position.

## 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 gasoline. 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 34. 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.

---

## AIR INDEX

An Air Index Information hang tag/label was applied to this engine in accordance with the requirements of the California Air Resources Board.

The bar graph is intended to provide you, our customer, the ability to compare the emissions performance of available engines. The lower the Air Index, the less pollution.

The durability description is intended to provide you with information relating to the engines emission durability period. The descriptive term indicates the useful-life period for the engine's emission control system. See your Emission Control Warranty for additional information.

| Descriptive Term | Applicable to Emissions Durability Period               |
|------------------|---|
| Moderate         | 50 hours (0 – 65 cc)<br>125 hours (greater than 65 cc)  |
| Intermediate     | 125 hours (0 – 65 cc)<br>250 hours (greater than 65 cc) |
| Extended         | 300 hours (0 – 65 cc)<br>500 hours (greater than 65 cc) |

The Air Index Information hang tag must remain on the generator until it is sold. Remove the hang tag before operating the generator.

## MAINTENANCE SCHEDULE

| REGULAR SERVICE PERIOD (3) |              | Before each use                          | First month or 10 Hrs. | Every 3 months or 50 Hrs. | Every 6 months or 100 Hrs. | Every 2 years or After each 300 Hrs. |
|----------------------------|--------------|--|------------------------|---------------------------|----------------------------|--------------------------------------|
| ● Engine oil               | Check        | ○  |                        |                           |                            |                                      |
|                            | Change       |  | ○                      |                           | ○                          |                                      |
| ● Air cleaner              | Check        | ○  |                        |                           |                            |                                      |
|                            | Clean        |  |                        | ○(1)                      |                            |                                      |
| ● Spark plug               | Clean-Adjust |  |                        |                           | ○                          |                                      |
|                            | Replace      |  |                        |                           |                            | ○                                    |
| Spark arrester             | Clean        |  |                        |                           | ○                          |                                      |
| ● Valve clearance          | Check-Adjust |  |                        |                           |                            | ○(2)                                 |
| ● Combustion chamber       | Clean        |  |                        |                           |                            | ○(2)                                 |
| ● Fuel tank and filter     | Clean        | Every year (2)                           |                        |                           |                            |                                      |
| ● Fuel line                | Check        | Every 2 years (Replace if necessary) (2) |                        |                           |                            |                                      |

- NOTE:**
- Emission related items.
- (1) Service more frequently when used in dusty areas.
- (2) These items should be serviced by an authorized Honda generator 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.

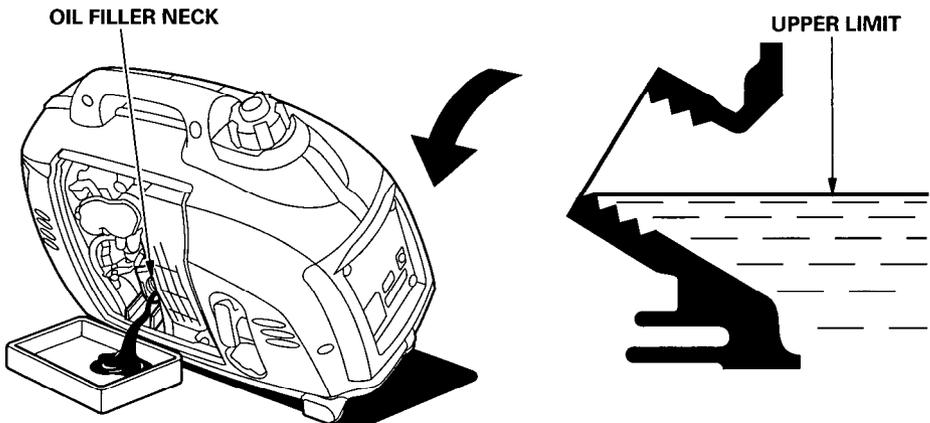
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## ENGINE OIL CHANGE

Drain the used oil while the engine is warm. Warm oil drains quickly and completely.

1. Turn the engine switch and vent lever to the OFF position to reduce the possibility of fuel leakage.
2. Loosen the cover screw and remove the left-side maintenance cover (see page 22 ).
3. Place a suitable container next to the engine to catch the used oil.
4. Remove the oil filler cap/dipstick, and drain the oil into the container by tipping the engine toward the oil filler neck.
5. With the engine in a level position, fill to the top of the oil filler neck with the recommended oil (see page 22).
6. Reinstall the oil filler cap/dipstick securely.
7. Reinstall the left-side maintenance cover and tighten the cover screw securely.

**Oil capacity:** 0.25 l (0.26 US qt , 0.22 Imp qt)



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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 used oil in a sealed container to your local recycling center or service station 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.

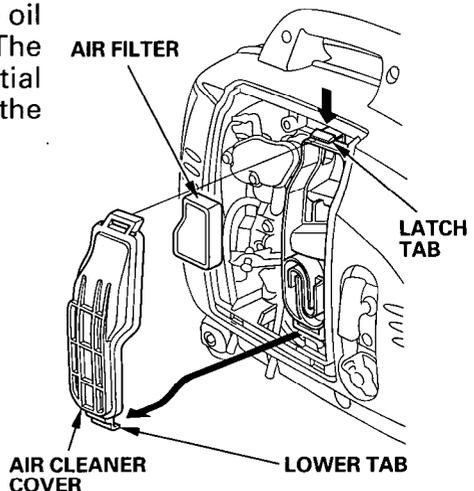
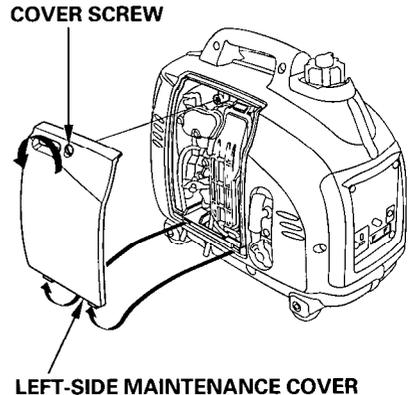
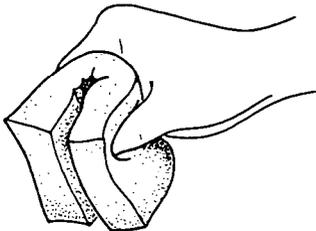
### ▲WARNING

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. Loosen the cover screw and remove the left-side maintenance cover.
2. Press the latch tab on the top of the air cleaner case, and remove the air cleaner cover.
3. 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.
4. 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.



5. Remove the rubber air guide from the air cleaner case.

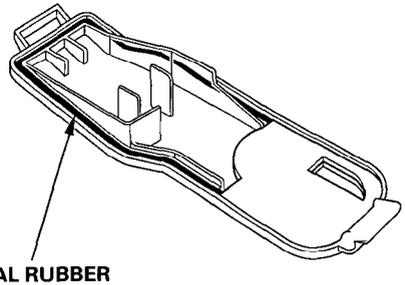
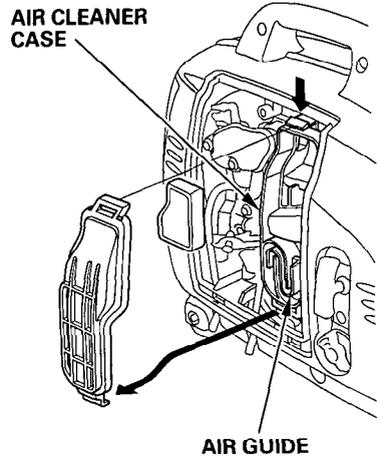
Clean the air guide and the air cleaner case with a moist rag, then reinstall the air guide.

6. Reinstall the air filter.

7. Make sure that the seal rubber is set in the groove of the air cleaner cover.

8. Reinstall the air cleaner cover by inserting the lower tab, and the latch tab.

9. Reinstall the left-side maintenance cover, and tighten the cover screw securely.



---

## SPARK PLUG SERVICE

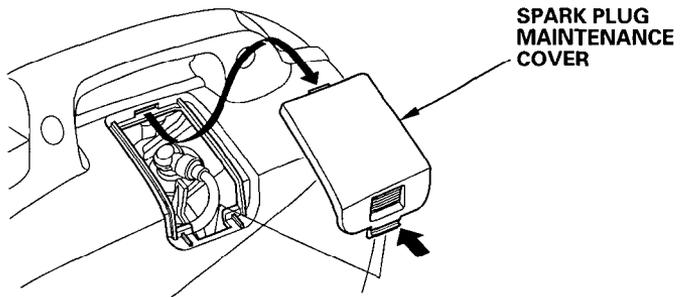
In order to service the spark plug, you will need a spark plug wrench (commercially available).

**Recommended spark plugs:** CR5HSB (NGK)  
U16FSR-UB (DENSO)

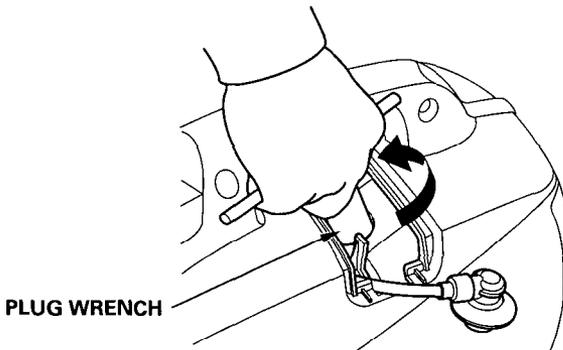
To ensure proper engine operation, the spark plug must be properly gapped and free of deposits.

If the engine has been running, the muffler will be very hot. Be careful not to touch the muffler.

1. Remove the spark plug maintenance cover.



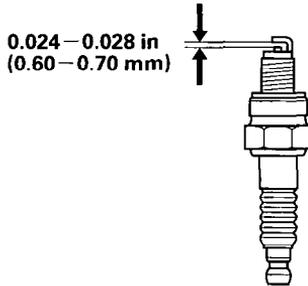
2. Remove the spark plug cap.
3. Clean any dirt from around the spark plug base.
4. Use a spark plug wrench to remove the spark plug.



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

**The gap should be:**

0.024–0.028 in (0.60–0.70 mm)



7. Check that the spark plug washer is in good condition, and thread the spark plug in by hand to prevent cross-threading.
8. 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.**

9. Reinstall the spark plug cap on the spark plug securely.
10. Reinstall the spark plug maintenance cover.

---

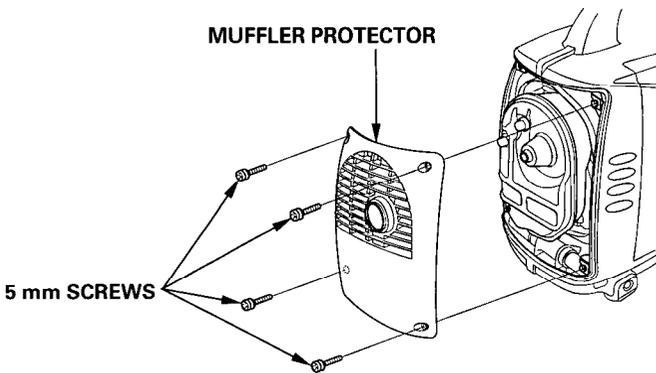
## SPARK ARRESTER MAINTENANCE

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

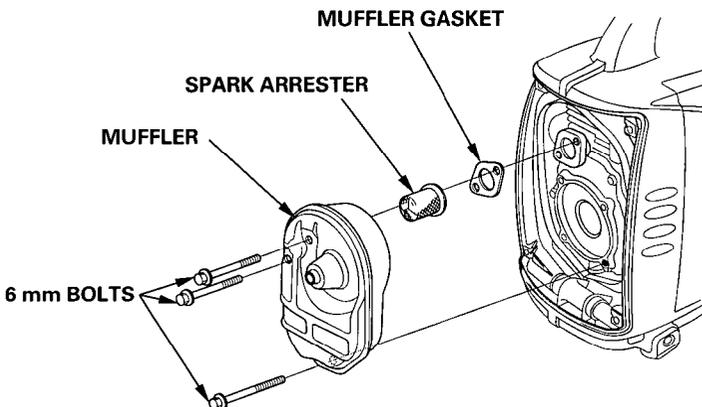
The spark arrester must be serviced every 100 hours to maintain its efficiency.

Clean the spark arrester as follows:

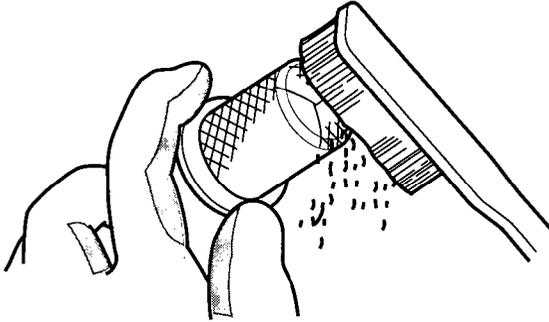
1. Remove the four 5 mm screws, and remove the muffler protector.



2. Remove the three 6 mm bolts, and remove the muffler, the spark arrester and the muffler gasket.



- 
3. Use a brush to remove carbon deposits from the spark arrester screen.



4. Inspect the screen for breaks or tears and replace it if necessary.
5. Check the muffler gasket; replace if damaged. Reinstall the muffler gasket, the spark arrester, the muffler and the muffler protector in the reverse order of removal.

# TRANSPORTING/STORAGE

## 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.

To prevent fuel spillage when transporting, the generator should be secured upright in its normal operating position, with the engine switch OFF and the fuel tank cap vent lever turned fully counterclockwise to the "OFF" position.

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 to 2 months   | Fill with fresh gasoline and add gasoline conditioner *.  |
| 2 months to 1 year  | Fill with fresh gasoline and add gasoline conditioner *.<br>Drain the gasoline. (page 44).  |
| 1 year or more  | Fill with fresh gasoline and add gasoline conditioner *.<br>Drain the gasoline. (page 44).<br>Remove the spark plug. Put a tablespoon of engine oil into the cylinder. Turn the engine slowly with the starter grip to distribute the oil. Reinstall the spark plug.<br>Change the engine oil. (page 35).<br>After removal from storage, drain the stored gasoline into a suitable container, and fill with fresh gasoline before starting. |
| *Use gasoline conditioners that are formulated to extend storage life.<br>Contact your authorized Honda generator dealer for conditioner recommendations. |   |

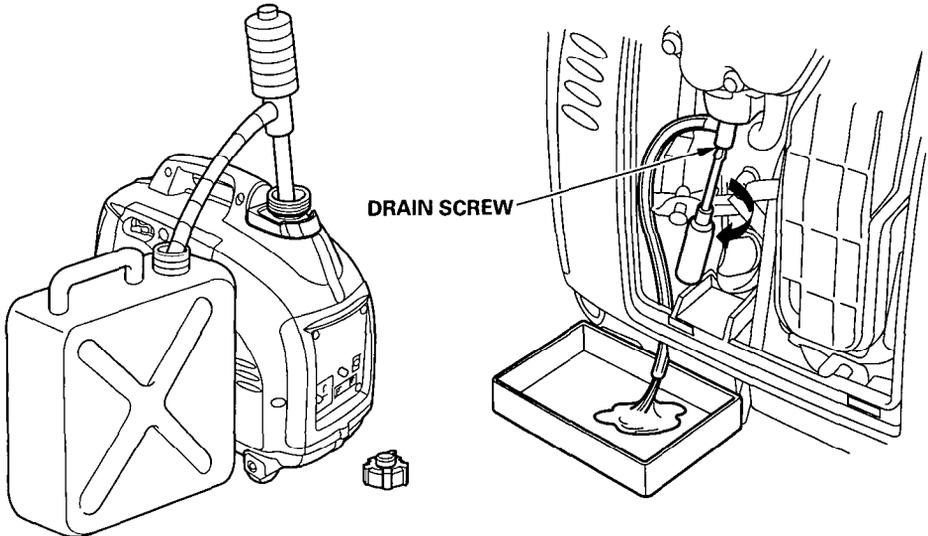
## Storage Procedure

1. Drain the gasoline.
  - a. Remove the fuel tank cap, and empty the fuel tank into an approved gasoline container using a commercially available hand siphon. Reinstall the fuel tank cap.
  - b. Loosen the cover screw and remove the left-side maintenance cover.
  - c. Loosen the carburetor drain screw.
  - d. Drain the gasoline from the carburetor into a suitable container.
  - e. Remove the spark plug maintenance cover.
  - f. Remove the spark plug cap.
  - g. Turn the engine switch to the ON position.
  - h. Pull the starter grip 3 to 4 times to drain the gasoline from the fuel pump into a suitable container.
  - i. Turn the engine switch to the OFF position.
  - j. Reinstall the spark plug cap on the spark plug securely.
  - k. Reinstall the spark plug maintenance cover.
  - l. Tighten the carburetor drain screw.
  - m. Reinstall the left-side maintenance cover, and tighten the cover screw securely.

### **▲WARNING**

**Gasoline is highly flammable and explosive. You can be burned or seriously injured when handling fuel.**

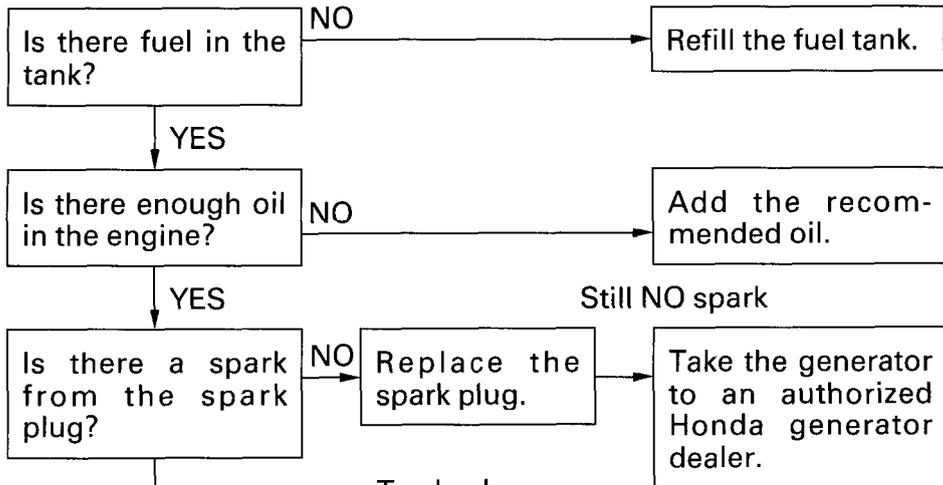
- **Keep heat, sparks, and flame away.**
- **Handle fuel only outdoors.**
- **Wipe up spills immediately.**



- 
2. Change the engine oil (page 35).
  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.
  4. Pull the starter grip slowly until resistance is felt then return the starter grip gently. This closes the valves so moisture cannot enter.

# TROUBLESHOOTING

When the engine will not start:



## **▲WARNING**

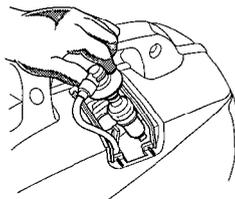
**Be sure there is no spilled fuel around the spark plug. Spilled fuel may ignite.**

YES

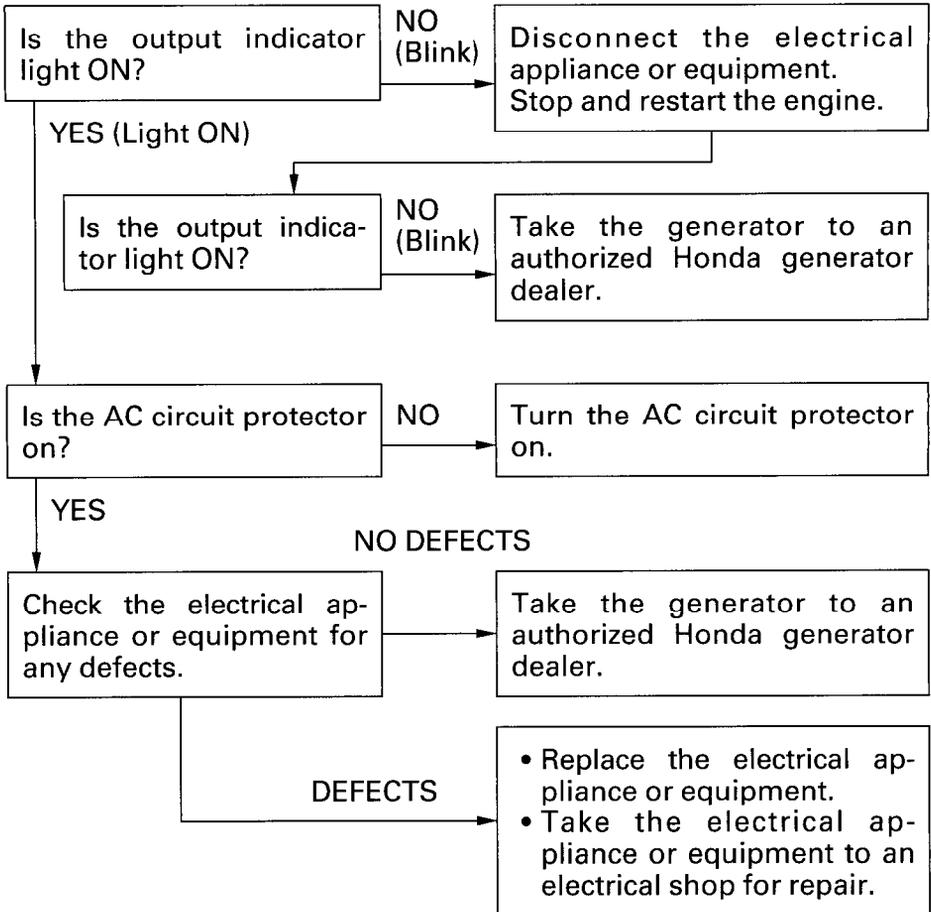
If the engine still does not start, take the generator to an authorized Honda generator dealer.

To check:

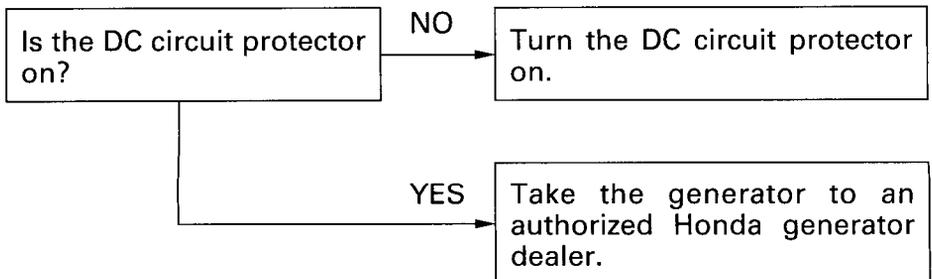
- 1) Remove the spark plug cap and clean any dirt from around the spark plug.
- 2) Remove the spark plug and install the spark plug in the plug cap.
- 3) Set the plug side electrode on the cylinder head.
- 4) Crank the engine, sparks should jump across the gap.



Appliance does not operate:

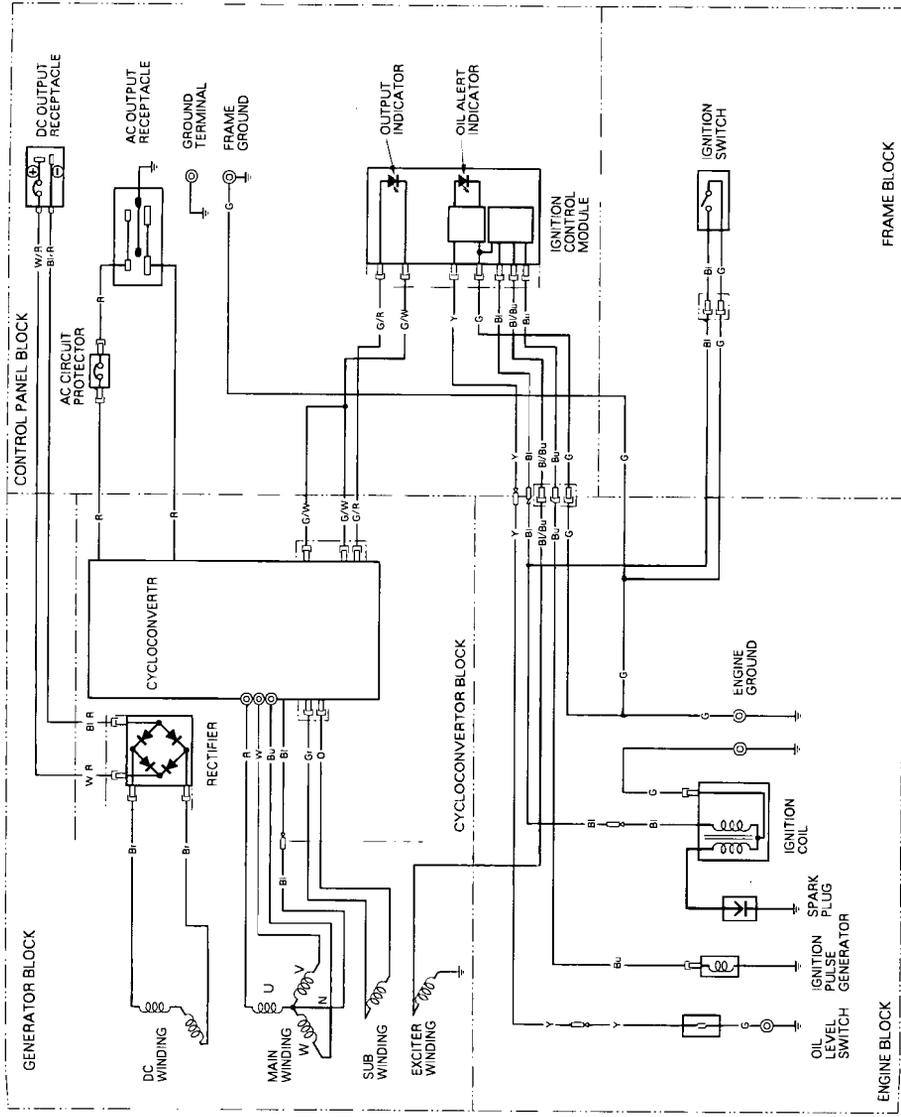


No electricity at the DC receptacle:



# WIRING DIAGRAM

|    |        |    |             |
|----|--------|----|-------------|
| Bl | Black  | Br | Brown       |
| Y  | Yellow | O  | Orange      |
| Bu | Blue   | Lb | Light blue  |
| G  | Green  | Lg | Light green |
| R  | Red    | P  | Pink        |
| W  | White  | Gr | Gray        |



# SPECIFICATIONS

## Dimensions

|                                |                  |
|--------------------------------|------------------|
| Model                          | EX700c           |
| Power product description code | EZGG             |
| Length                         | 450 mm (17.7 in) |
| Width                          | 240 mm (9.4 in)  |
| Height                         | 380 mm (15.0 in) |
| Dry weight                     | 12 kg (26 lbs)   |

## Engine

|                                 |   |
|---------------------------------|---|
| Model                           | GXH50   |
| Engine Type                     | 4-stroke, overhead valve, single cylinder                           |
| Displacement<br>[Bore x Stroke] | 50 cm <sup>3</sup> (3.1 cu-in)<br>[41.8 x 36.0 mm (1.65 x 1.42 in)] |
| Compression Ratio               | 8.0: 1  |
| Engine Speed                    | 4,500 rpm   |
| Cooling System                  | Forced air  |
| Ignition System                 | Full transistor   |
| Oil Capacity                    | 0.25 ℓ (0.26 US qt , 0.22 Imp qt)                                   |
| Fuel Tank Capacity              | 2.3 ℓ (0.61 US gal , 0.51 Imp gal)                                  |
| Spark Plug                      | CR5HSB (NGK)<br>U16FSR-UB (DENSO)                                   |

## Generator

|           |  |        |
|-----------|--|--------|
| Model     | EX700c   |        |
| Type      | A  |        |
| AC output | Rated voltage  | 120 V  |
|           | Rated frequency  | 60 Hz  |
|           | Rated Ampere   | 5.0 A  |
|           | Rated Output   | 600 VA |
|           | Maximum Output   | 700 VA |
| DC output | Only for charging 12V automotive batteries.<br>Maximum charging output= 6A |        |

## Tune-up Specifications

| ITEM                 | SPECIFICATION                                      | MAINTENANCE                         |
|----------------------|--|-------------------------------------|
| Spark plug gap       | 0.60–0.70 mm (0.024–0.028 in)                      | Refer to page: 39                   |
| Valve clearance      | IN: 0.08±0.02 mm (cold)<br>EX: 0.11±0.02 mm (cold) | See your authorized<br>Honda dealer |
| Other specifications | No other adjustments needed.                       |                                     |

## NOTE:

Specifications are subject to change without notice.

# **WARRANTY SERVICE INFORMATION**

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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 page 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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