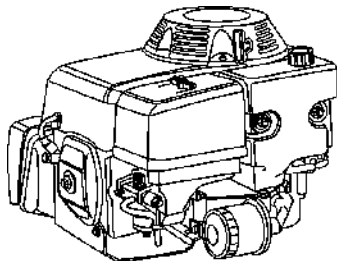


# HONDA ENGINES

## OWNER'S MANUAL

### GXV340•GXV390

Gasoline or LPG Fueled Engines



**WARNING:**

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

31Z1G740  
00X31-Z1G-7400

**EM3**  
GXV340K2-GXV390K1

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## INTRODUCTION

Thank you for purchasing a Honda engine. We want to help you to get the best results from your new engine and to operate it safely. This manual contains information on how to do that; please read it carefully before operating the engine. If a problem should arise, or if you have any questions about your engine, consult an authorized Honda servicing dealer.

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This manual should be considered a permanent part of the engine and should remain with the engine if resold.

Review the instructions provided with the equipment powered by this engine for any additional information regarding engine startup, shutdown, operation, adjustments or any special maintenance instructions.

## SAFETY MESSAGES

Your safety and the safety of others is very important. We have provided important safety messages in this manual and on the engine. Please read these messages carefully. A safety message alerts you to potential hazards that could hurt you or others. Each safety message is preceded by a safety alert symbol **▲** and one of three 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.

Each message tells you what the hazard is, what can happen, and what you can do to avoid or reduce injury.

## DAMAGE PREVENTION MESSAGES

You will also see other important messages that are preceded by the word NOTICE. This word means:

**NOTICE** Your engine or other property can be damaged if you don't follow instructions.

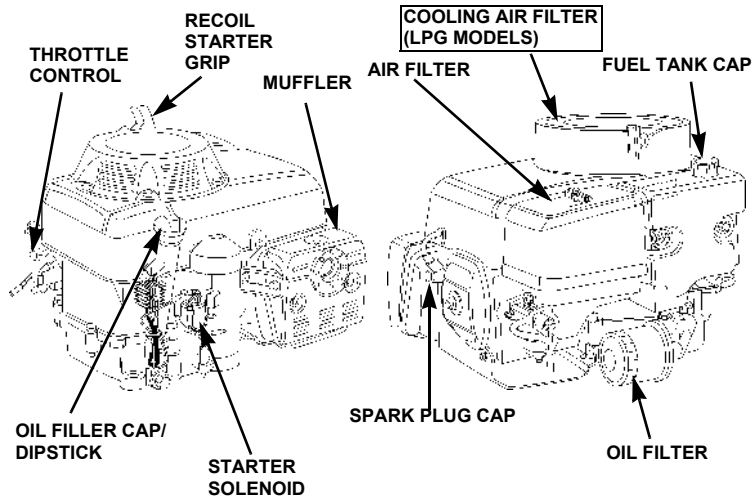
The purpose of these messages is to help prevent damage to your engine, other property, or the environment.

## SAFETY INFORMATION

- Understand the operation of all controls and learn how to stop the engine quickly in case of emergency. Make sure the operator receives adequate instruction before operating the equipment.
- Your engine's exhaust contains poisonous carbon monoxide. Do not run the engine without adequate ventilation, and never run the engine indoors.
- The engine and exhaust become very hot during operation. Keep the engine at least 3 feet (1 meter) away from buildings and other equipment during operation. Keep flammable materials away, and do not place anything on the engine while it is running.

Text surrounded by a box is additional information specifically for LPG model engines ONLY. Disregard this information if your engine is operating on gasoline.

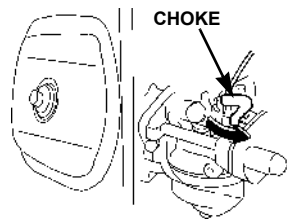
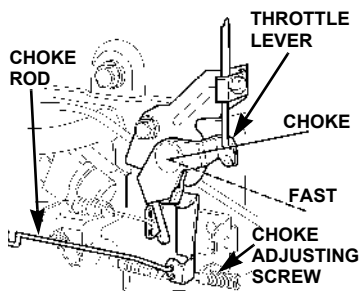
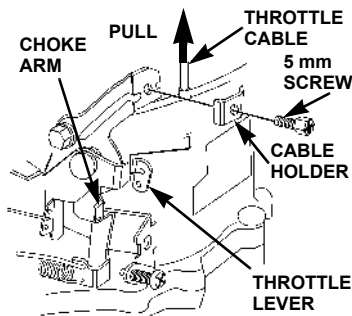
# COMPONENT & CONTROL LOCATION



## THROTTLE CABLE CONNECTION

The throttle lever is provided with holes for attaching a solid wire throttle cable.

1. Remove the 5 mm screw and the cable holder. Hook the solid wire cable end into the throttle lever as shown.
2. Move the throttle cable control (located on equipment) into the FAST (or HIGH) throttle position.
3. Move the throttle lever by pulling the throttle cable until the throttle lever just contacts the choke arm. Install the cable holder securing the throttle cable and tighten it securely.
4. Move the throttle control (located on equipment) to move the throttle lever to the CHOKE position. Verify the engine choke rod moves the carburetor choke fully closed. Adjust the adjusting screw until it just contacts the choke arm.
5. Start the engine and move the throttle lever to the FAST (or HIGH) position. Using a tachometer, check the engine speed. Loosen the cable holder bolt and move the throttle cable to obtain the top no load engine speed specified by the equipment manufacturer. Tighten the cable holder bolt securely.
6. Move the throttle cable control lever to the STOP position and confirm that the engine stops.



## LPG CONNECTIONS

This engine is certified to comply with U.S. EPA and California ARB emission regulations using the Impco Beam regulator specified in the installation instructions (see below). Honda used this regulator and other specific parts and adjustments to demonstrate compliance with the emission regulations. Adjustable fuel system parts must have U.S. EPA and California ARB approved tamper resistant features to limit the available adjustment after the fuel system is correctly installed. If an equipment manufacturer did not install your engine in a product you will need the installation instructions for the Honda certified system (see below). If you choose not to use the Honda fuel system you must use a system that has been certified by the fuel system manufacturer to be used on this Honda engine. Or if you use a fuel system that is not already certified you must have certification test data satisfactory to the U.S. EPA or the California ARB. The test data must prove that the system will meet the emission standard both when the engine is new and at the end of its emission durability period (250 hours).

To obtain a copy of the installation instructions for this engine, contact an independent Honda engine distributor, or our Customer Service Department (page 12).

## BATTERY CONNECTIONS

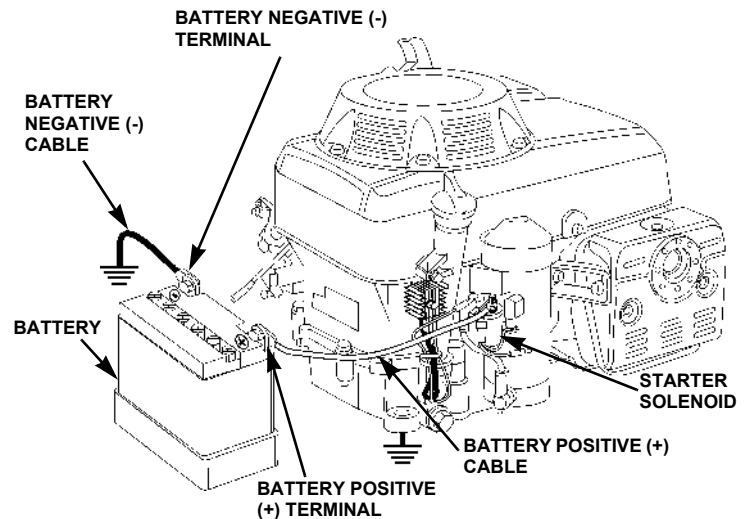
Use a 12 volt battery with an ampere-hour rating of at least 18 AH. Coat the terminals and cable ends with grease. Be careful not to connect the battery in reverse polarity, as this will short circuit the battery charging system.

### ⚠ 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.

1. Connect the battery positive (+) cable to the starter solenoid terminal as shown.
2. Connect the battery negative (-) cable to an engine mounting bolt, frame bolt, or other good engine ground connection.
3. Connect the battery positive (+) cable to the battery positive (+) terminal as shown.
4. Connect the battery negative (-) cable to the battery negative (-) terminal as shown.



## BEFORE OPERATION CHECKS

### IS YOUR ENGINE READY TO GO?

For your safety, and to maximize the service life of your equipment, it is very important to take a few moments before you operate the engine to check its condition. Be sure to take care of any problem you find, or have your servicing dealer correct it, before you operate the engine.

#### **WARNING**

Improperly maintaining this engine, or failure to correct a problem before operation, can cause a malfunction in which you can be seriously hurt or killed. Always perform a preoperation inspection before each operation, and correct any problem.

Before beginning your preoperation checks, be sure the engine is level and the throttle lever is in the STOP position. Always check the following items before you start the engine:

1. Fuel level (see page 5).
2. Oil level (see page 5).
3. Air cleaner (see page 6).

4. LPG models: cooling air filter (see page 6).

5. General inspection: Check for fluid leaks and loose or damaged parts.

6. Check the equipment powered by this engine.

Review the instructions provided with the equipment powered by this engine for any precautions and procedures that should be followed before engine startup.

#### **LPG EQUIPMENT**

Carefully follow the installation and operating instructions of the LPG equipment manufacturer.

## OPERATION

### SAFE OPERATING PRECAUTIONS

Before operating the engine for the first time, please review the *SAFETY INFORMATION* section on page 1 and the *BEFORE OPERATION CHECKS* section above.

#### **WARNING**

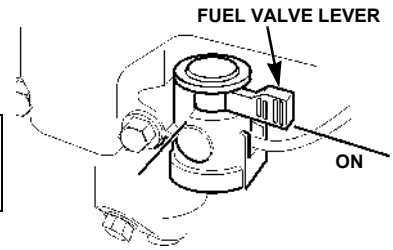
Carbon monoxide gas is toxic. Breathing it can cause unconsciousness and even kill you. Avoid any areas or actions that expose you to carbon monoxide.

Review the instructions provided with the equipment powered by this engine for any safety precautions that should be observed with engine startup, shutdown, or operation.

## STARTING THE ENGINE

1. Turn the fuel valve to the ON position.

LPG Models:  
Turn the fuel valve on at the source.

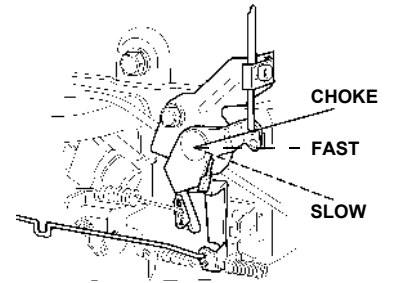


2. **STARTING A COLD ENGINE:**

Move the throttle control to the CHOKE position.

#### **STARTING A WARM ENGINE:**

Do not use the CHOKE position when the engine is warm. Move the throttle control slightly past the SLOW position.



LPG Models:  
Always use the CHOKE position when starting the engine.

3. *Recoil Start Models*

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.*

4. *Electric Start Models*

Turn the engine switch to the START position, and hold it there until the engine starts. When the engine starts, allow the engine switch to return to the ON position.

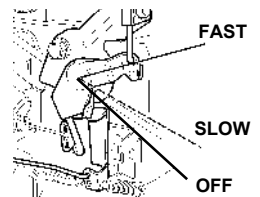
#### **NOTICE**

*Do not use the starter for more than 5 seconds or starter motor damage may occur. If the engine fails to start, release the switch and wait 10 seconds before operating the starter again.*

5. If the choke was used to start the engine, move the throttle to the FAST (or HIGH) position as soon as the engine warms up enough to run smoothly without use of the choke.

## SETTING ENGINE SPEED

Position the throttle control for the desired engine speed. For best engine performance, it is recommended the engine be operated with the throttle in the FAST (or high) position.



## **OIL ALERT® BUZZER** (oil alert type only)

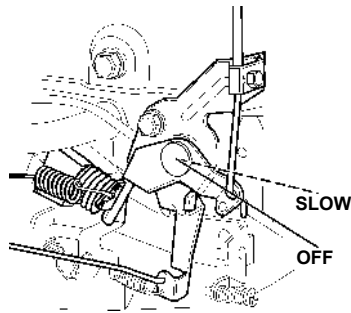
The OIL ALERT buzzer will warn you before the engine oil level falls below the safe operating limit. If the buzzer sounds, stop the engine immediately and add oil (see page 5).

#### **NOTICE**

*The buzzer indicates insufficient oil. Running the engine with insufficient oil can cause serious engine damage.*

## STOPPING THE ENGINE

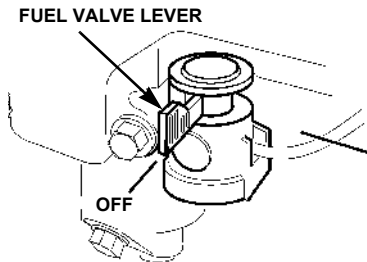
1. *Recoil Start Models*  
Move the throttle control to the SLOW position.
2. Move the throttle control to the stop position.



### *Electric Start Models*

Move the throttle control to the slow position, then turn the engine switch to the OFF or STOP position.

3. Turn the fuel valve lever to the OFF position if you do not intend to restart the engine soon.



**LPG Models:**  
Turn the fuel valve OFF at the source.

## SERVICING YOUR ENGINE

### THE IMPORTANCE OF MAINTENANCE

Good maintenance is essential for safe, economical and trouble-free operation. It will also help reduce 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 engine, 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 engine under severe conditions, such as sustained high-load or high-temperature operation, or use in unusually wet or dusty conditions, consult your servicing dealer for recommendations applicable to your individual needs and use.

**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 this 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.

Remember that an authorized Honda servicing dealer knows your engine 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 and replacement.

## MAINTENANCE SCHEDULE

REGULAR SERVICE PERIOD (3)		Each Use	First Month or 20 Hrs	Every 3 Months or 50 Hrs	Every 6 Months or 100 Hrs	Every Year or 300 Hrs	Page
ITEM	Perform at every indicated month or operating hour interval, whichever comes first.						
Engine oil	Check	O					5
	Replace		O		O		5
Engine oil (LPG models)	Check level	O					5
	Change		O	O			5
Engine oil filter	Replace					O	6
Air filter	Check	O					6
	Clean			O (1)			6
	Replace					O	6
Cooling air filter (LPG models)	Clean	O (1)					6
Spark plug	Check-adjust				O		6
	Replace					O	
Spark arrester (optional part)	Clean				O		7
Idle speed	Check-adjust					O(3)	-
Fuel tank and filter	Clean					O(2)	-
Fuel line	Check				Every 2 years (Replace if necessary)		
Valve clearance	Check-adjust					O(2)	-
Fuel hose (LPG models)	Check	O					-

- (1) Service more frequently when used in dusty areas.
- (2) Change engine oil every 25 hours when used under heavy load or in high ambient temperatures.
- (3) These items should be serviced by an authorized Honda servicing dealer, unless you have the proper tools and are mechanically proficient. Refer to the Honda shop manual for service procedures.
- (4) For commercial use, log hours of operation to determine proper maintenance intervals.

## REFUELING

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.

### **⚠ WARNING**

Gasoline is highly flammable and explosive, and you can be burned or seriously injured when refueling.

- Stop engine and keep heat, sparks, and flame away.
- Refuel only outdoors.
- Wipe up spills immediately.

### **NOTICE**

Fuel can damage paint and some types of plastic. Be careful not to spill fuel when filling your fuel tank. Damage caused by spilled fuel is not covered under the Distributor's Limited Warranty (see page 11).

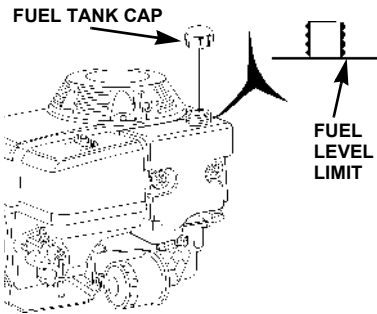
Never use stale or contaminated gasoline or oil/gasoline mixture. Avoid getting dirt or water in the fuel tank.

### **Adding Fuel**

1. Remove the fuel tank cap.
2. Add fuel to the bottom of the fuel level limit in the neck of the fuel tank. Do not overfill. Wipe up spilled fuel before starting the engine.

**Fuel tank capacity:** 0.61 US gal (2.3 ℓ)

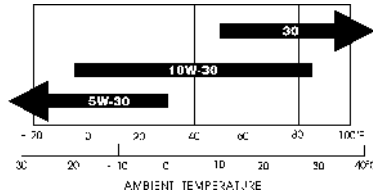
3. Reinstall the fuel tank cap.



## ENGINE OIL

### **Recommended Oil**

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

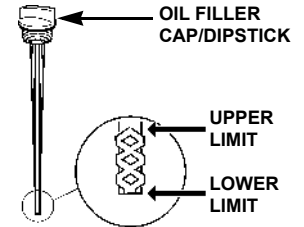
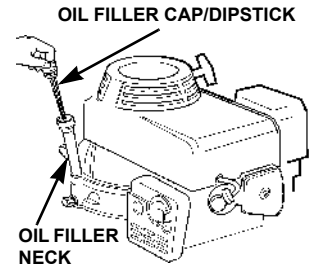


SAE 10W-30 is recommended for general use. Other viscosities shown in the chart may be used when the average temperature in your area is within the indicated range.

<b>Recommended Oil (LPG models)</b>	<b>Use SAE 30, API service classification SG minimum</b>
Use 4-stroke motor oil that is designed for engines operating on LPG fuel. Use one of the recommended oils that meet Honda's requirements.	Pennzoil HD 30 Valvoline HPO 30 Castrol HD 30
For operation in temperatures below 32°F (0°C), 5W-30 synthetic oil may be used for easier starting. Do not use 5W-30 when the air temperature is above 32°F (0°C).	

## Oil Level Check

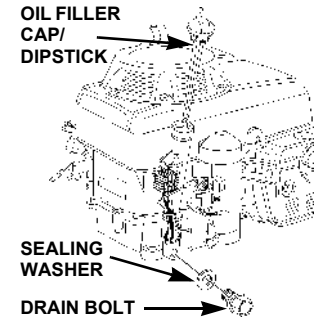
1. Check the oil with the engine stopped and level.
2. Remove the oil filler cap/dipstick and wipe it clean.
3. Insert the oil filler cap/dipstick into the oil filler neck as shown. Do not screw it in, then remove it to check the oil level.
4. If the oil level is near or below the lower limit mark on the dipstick, remove the oil filler cap/dipstick, and fill with the recommended oil to the upper limit mark. Do not overfill.
5. Reinstall the oil filler cap/dipstick.



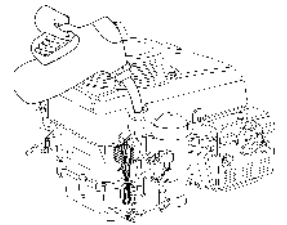
## Oil Change

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

1. Place a suitable container next to the oil drain bolt.
2. Wipe the oil filter area clean, then remove the oil filler cap/dipstick.
3. Remove the oil drain bolt and sealing washer and allow the oil to drain into a suitable container. After draining, install the drain bolt with the sealing washer and tighten it securely.
4. Fill with the recommended oil. Do not overfill. Measure the oil level as shown above.



**Engine Oil Capacity:** 1.16 US qt (1.1 ℓ)  
**with oil filter:** 1.48 US qt (1.4 ℓ)



Please dispose of used motor oil and the oil containers 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 or pour it on the ground or down a drain.

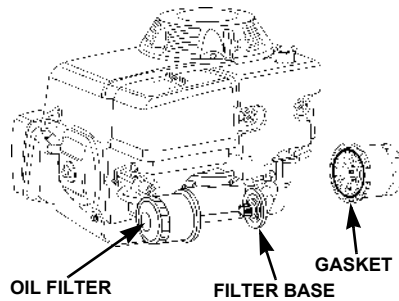
## Oil Filter Change (if equipped)

1. Drain the engine oil (see page 5).
2. Remove the oil filter with an oil filter wrench and let the remaining oil drain out. Discard the oil filter.

### NOTICE

Use a socket-type wrench to remove and install the oil filter. If other types of oil filter wrenches must be used, be careful to avoid hitting and damaging the fuel line or fuel tank connection.

3. Clean the filter base.
4. Coat the gasket of the new filter with clean engine oil.
5. Reinstall the oil drain bolt and tighten it securely (see page 5).
6. Screw the new oil filter on by hand until the gasket contacts the filter base, then use an oil filter wrench to tighten the filter 7/8 turn.



**Oil Filter Torque:** 15-17 ft-lb (20-24 N·m)

### NOTICE

Use only a genuine Honda oil filter or a filter of equivalent quality specified for your model. Using the wrong Honda filter or a non-Honda filter which is not of equivalent quality may cause engine damage.

7. Add the specified amount of the recommended oil (see page 5). Start the engine and check the filter for leaks.
8. Stop the engine and recheck the oil level. If necessary, add oil to bring it up to the proper level.

## AIR CLEANER

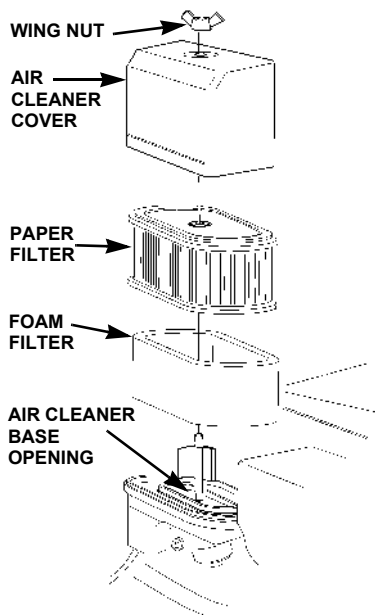
A dirty air cleaner will restrict air flow to the carburetor and cause poor engine performance. Inspect the filter each time the engine is operated. You will need to clean the filters more frequently if you operate the engine in very dusty areas.

### NOTICE

Operating the engine without a filter, or with a damaged filter, will allow dirt to enter the engine, causing rapid engine wear. This type of damage is not covered under the Distributor's Limited Warranty (see page 11).

### Inspection

1. Remove the wing nut, then remove the air cleaner cover. Be careful to prevent dirt and debris from falling into the air cleaner base opening.
2. Remove the air filter from the air cleaner base.
3. Remove the foam filter from the paper filter.
4. Inspect the paper and foam filters. Replace damaged filters. Clean or replace dirty filters.



## Cleaning

1. Remove the air filter, as described in the INSPECTION procedure (see page 6).
2. Remove the air filter from the air cleaner base. Remove the foam filter from the paper filter.
3. Paper filter: Tap the paper filter several times on a hard surface to remove excess dirt, or blow compressed air [not exceeding 30 psi (207kPa)] through the paper filter from the inside out. Never try to brush off dirt; brushing will force dirt into the fibers. Replace the paper filter if it is excessively dirty.
4. Foam filter: Clean in warm, soapy water or nonflammable solvent, rinse and dry thoroughly. Do not use gasoline as a cleaning solvent, because that would create a risk of fire or explosion. Dip the foam filter in clean engine oil, then squeeze out all excess oil.

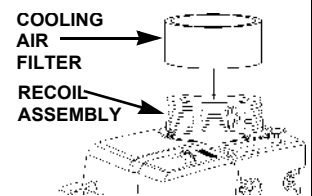
### NOTICE

Excess oil will restrict air flow through the foam filter and may transfer to the paper filter, soaking and clogging it.

5. Wipe dirt from the air cleaner base and cover using a moist rag. Be careful to prevent dirt from entering the air duct that leads to the carburetor.
6. Reinstall the air filter, and make sure both foam and paper filters are properly positioned. Install the air cleaner cover and tighten the wing nut securely.

### Cooling Air Filter Cleaning (LPG models)

The air filter surrounding the recoil assembly keeps the engine cooling system clean. The air filter must be kept clean so that the engine cooling system operates efficiently.



### NOTICE

If the air intake filter is not cleaned regularly, or if the engine is operated without the air intake filter, the engine may overheat and engine damage may occur.

1. Remove the cooling air filter and clean in warm, soapy water.
2. Dry the cooling air filter thoroughly and reinstall it.

## SPARK PLUG

**Recommended Spark Plugs:** NGK BPR5ES  
DENSO W16EPR-U

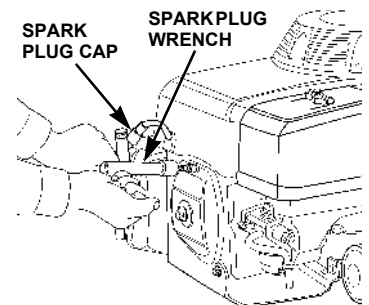
The recommended spark plug is the correct heat range for normal engine operating temperatures.

### NOTICE

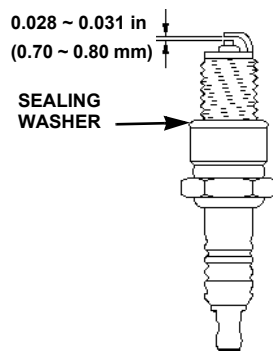
Incorrect spark plugs can cause engine damage.

For good performance, the spark plug must be properly gapped and free of deposits.

1. Disconnect the cap from the spark plug, and remove any dirt from the spark plug area.
2. Use a 13/16 inch (21 mm) spark plug wrench to remove the spark plug.



- Inspect the spark plug. Replace it if damaged, badly fouled, if the sealing washer is in poor condition, or if the electrode is worn.
- Measure the electrode gap with a suitable gauge. The correct gap is 0.028 - 0.031 in (0.70 - 0.80 mm). If adjustment is needed, correct the gap by carefully bending the side electrode.
- Install the spark plug carefully, by hand, to avoid cross-threading. After the spark plug is seated, tighten with the proper size spark plug wrench to compress the washer. When installing a new spark plug, tighten 1/2 turn after the spark plug seats to compress the washer. When reinstalling the original spark plug, tighten 1/8 - 1/4 turn after the spark plug seats to compress the washer.



#### NOTICE

A loose spark plug can become very hot and can damage the engine. Overtightening the spark plug can damage the threads in the cylinder head.

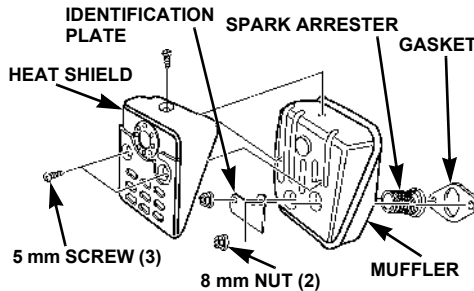
- Attach the spark plug cap to the spark plug.

### SPARK ARRESTER (optional equipment)

In some areas, it is illegal to operate an engine without a USDA (United States Department of Agriculture)-qualified spark arrester. Check local laws and regulations. A USDA-qualified spark arrester is available from an authorized Honda servicing dealer. The spark arrester must be serviced every 100 hours to keep it functioning as designed. If the engine has been running, the muffler will be hot. Allow it to cool before servicing the spark arrester.

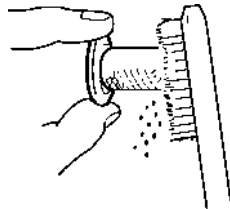
#### Spark Arrester Removal

- Remove the three 5 mm screws and remove the heat shield.
- Remove the 8 mm nuts and then remove the identification plate, muffler and gasket.
- Remove the spark arrester from the muffler.



#### Spark Arrester Cleaning & Inspection

- Use a brush to remove carbon deposits from the spark arrester screen. Be careful not to damage the screen. Replace the spark arrester if it has breaks or holes.
- Install the spark arrester in the reverse order of removal.



## HELPFUL TIPS & SUGGESTIONS

### STORING YOUR ENGINE

#### Storage Preparation

Proper storage preparation is essential for keeping your engine troublefree and looking good. The following steps will help to keep rust and corrosion from impairing your engine's function and appearance, and will make the engine easier to start when you use it again.

#### Cleaning

If the engine has been running, allow it to cool for at least half an hour before cleaning.

#### Fuel

Gasoline will oxidize and deteriorate in storage. Deteriorated gasoline will cause hard starting, and it leaves gum deposits that clog the fuel system. If the gasoline in your engine deteriorates during storage, you may need to have the carburetor, and other fuel system components, serviced or replaced. The length of time that gasoline can be left in your fuel tank and carburetor without causing functional problems will vary with such factors as gasoline blend, your storage temperatures, and whether the fuel tank is partially or completely filled. The air in a partially filled fuel tank promotes fuel deterioration. Very warm storage temperatures accelerate fuel deterioration. Fuel problems may occur within a few months, or even less if the gasoline was not fresh when you filled the fuel tank.

Fuel system damage or engine performance problems resulting from neglected storage preparation are not covered under *the Distributor's Limited Warranty* (see page 11). You can extend fuel storage life by adding a gasoline stabilizer that is formulated for that purpose, or you can avoid fuel deterioration problems by draining the fuel tank and carburetor.

LPG fuel does not require treatment during storage.

#### Battery (if equipped)

Remove the battery and store it in a cool, dry place. Recharge it once a month.

### ADDING A GASOLINE STABILIZER TO EXTEND FUEL STORAGE LIFE

When adding a gasoline stabilizer, fill the fuel tank with fresh gasoline. If only partially filled, air in the tank will promote fuel deterioration during storage. If you keep a container of gasoline for refueling, be sure that it contains only fresh gasoline.

- Add gasoline stabilizer following the manufacturer's instructions.
- After adding a gasoline stabilizer, run the engine outdoors for 10 minutes to be sure that treated gasoline has replaced the untreated gasoline in the carburetor.
- Stop the engine, and turn the fuel valve to the OFF position (see page 4).

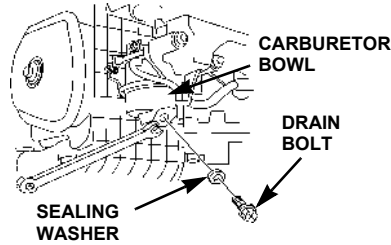
## DRAINING THE FUEL TANK AND CARBURETOR

### **WARNING**

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

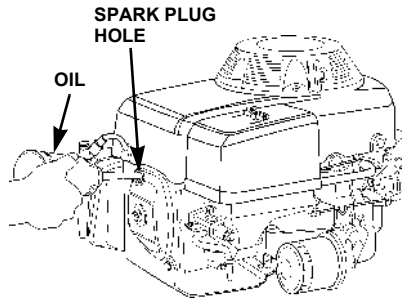
- Stop engine and keep heat, sparks, and flame away.
- Refuel only outdoors.
- Wipe up spills immediately.

1. Remove the carburetor bowl drain bolt and sealing washer with a 10 mm wrench, and drain the carburetor bowl fuel into an approved gasoline container.
2. Move the fuel valve lever to the ON position (see page 3). This will allow the fuel tank to drain through the carburetor bowl.
3. After draining the carburetor and fuel tank, install the drain bolt and sealing washer and tighten securely.



## ENGINE OIL

1. Change the engine oil (see page 5).
2. Remove the spark plug (see page 6) and pour a tablespoon (5 - 10 cc) of clean engine oil into the cylinder. Using the recoil, crank the engine a few revolutions to distribute the oil in the cylinder, then reinstall the spark plug.
3. Pull the starter rope slowly until resistance is felt. This closes the valves and will help to protect the engine from internal corrosion.



## STORAGE PRECAUTIONS

If your engine will be stored with gasoline in the fuel tank and carburetor, it is important to reduce the hazard of gasoline vapor ignition. Select a well-ventilated storage area away from any appliance that operates with a flame, such as a furnace, water heater, or clothes dryer. Also avoid any area with a spark-producing electric motor, or where power tools are operated. If possible, avoid storage areas with high humidity, because that promotes rust and corrosion. If there is gasoline in the fuel tank, leave the fuel valve in the OFF position (see page 4). Keep the engine level during storage. Tilting can cause fuel or oil leakage. With the engine and exhaust system cool, cover the engine to keep out dust. A hot engine and exhaust system can ignite or melt some materials. Do not use sheet plastic as a dust cover. A nonporous cover will trap moisture around the engine, promoting rust and corrosion.

## REMOVAL FROM STORAGE

Check your engine as described in the *BEFORE OPERATION CHECKS* section of this manual (see page 3). If the fuel was drained during storage preparation, fill the tank with fresh gasoline. If you keep a container of gasoline for refueling, be sure it contains only fresh gasoline. Gasoline oxidizes and deteriorates over time, causing hard starting. If the cylinder was coated with oil during storage preparation, the engine will smoke briefly at startup. This is normal.

## TRANSPORTING

Keep the engine level when transporting to reduce the possibility of fuel leakage. Turn the fuel valve to the OFF position (see page 4).

## TAKING CARE OF UNEXPECTED PROBLEMS

ENGINE WILL NOT START	Possible Cause	Correction
1. Check throttle lever position.	Throttle lever in wrong position.	Move throttle lever to the choke position unless engine is warm (p. 2)
2. Check fuel.	Out of fuel.	Refuel.
	Fuel valve OFF	Turn fuel valve ON (p. 3)
3. Remove and inspect spark plug.	Bad fuel; engine stored without treating or draining gasoline, or refueled with bad gasoline.	Drain the fuel tank and carburetor (p. 8). Refuel with fresh gasoline.
	Spark plug faulty, fouled, or improperly gapped.	Replace the spark plug (p. 6).
4. Take engine to an authorized Honda servicing dealer, or refer to shop manual.	Spark plug wet with fuel (flooded engine).	Dry and reinstall spark plug. Start engine with choke/throttle lever in FAST position.
	Fuel filter clogged, carburetor malfunction, ignition malfunction, valves stuck, etc.	Replace or repair faulty components as necessary.

ENGINE LACKS POWER	Possible Cause	Correction
1. Check air cleaner elements.	Air cleaner elements clogged.	Clean or replace cleaner elements (p. 6).
2. Check fuel.	Bad fuel; engine stored without treating or draining gasoline, or refueled with bad gasoline.	Drain the fuel tank and carburetor (p. 8). Refuel with fresh gasoline (p. 5).
3. Check throttle lever position.	Throttle lever is wrong position.	Position the throttle lever in fast (or high) position.
4. Take engine to an authorized Honda servicing dealer, or refer to shop manual.	Fuel filter clogged, carburetor malfunction, ignition malfunction, compression problem.	Replace or repair faulty components as necessary.

## LPG Model

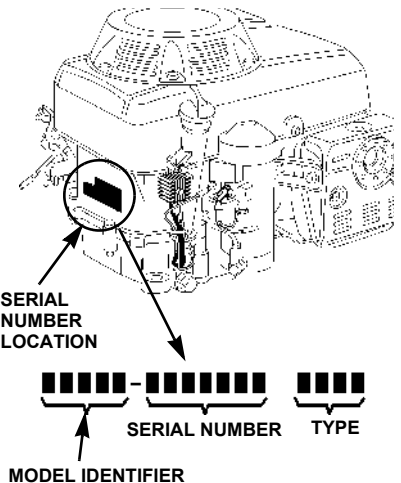
Refer to the LPG equipment manufacturer for troubleshooting information.

## TECHNICAL & CONSUMER INFORMATION

### TECHNICAL INFORMATION

#### Serial Number Location

Record the engine model identifier, engine serial number and engine type in the space below. You will need this information when ordering parts and when making technical or warranty inquiries.



MODEL IDENTIFIER	SERIAL NUMBER	ENGINE TYPE
_____	_____	_____



## Carburetor Modifications for 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. Operation at an altitude that differs from that at which this engine was certified, for extended periods of time, may increase emissions.

High altitude performance can be improved by specific modifications to the carburetor. If you always operate your trimmer at altitudes above 5,000 feet (1,500 meters), have your servicing dealer perform this carburetor modification. This engine, when operated at high altitude with the carburetor modifications for high altitude use, will meet each emission standard throughout its useful life.

Even with carburetor modification, engine horsepower will decrease about 3.5% for each 1,000-foot (300-meter) 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 5,000 feet (1,500 meters) with a modified carburetor may cause the engine to overheat and result in serious engine damage. For use at low altitudes, have an authorized Honda servicing dealer return the carburetor to original factory specifications.*

### LPG Models:

There are no high altitude adjustments for LPG models, however, engine performance will decrease.

## 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 oxygenated fuel, be sure it is unleaded and meets the minimum octane rating requirements. 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 *the Distributor's Limited Warranty* (see page 11).

### LPG Fuels

Use LPG fuel with a propane content of 95% or higher. LPG fueled engines are certified to operate on LPG only.

## 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 an authorized Honda 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 4. 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 is applied to engines certified to an emission durability time period 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 the engine's emission durability period. The descriptive term indicates the useful life period for the engine's emission control system. See your *Emission Control System Warranty* (page 11) for additional information.

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

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

## SPECIFICATIONS

Dimensions	GXV340K2 (DN type)	GXV390K1 (DN type)
Length x Width x Height	17.0 x 15.0 x 16.0 in (433 x 382 x 406 mm)	
Dry weight	32.3 lb (71.2 kg)	33.3 lb (73.4 kg)
Engine type	4-stroke, overhead valve, single cylinder	
Displacement	20.6 cu. in (338 cc)	23.7 cu. in (389 cc)
Bore x Stroke	3.2 x 2.5 in (82 x 64 mm)	3.5 x 2.5 in (88 x 64 mm)
Maximum output	11.0 hp @ 3,600 rpm	13.0 hp @ 3,600 rpm
Maximum torque	17.7 ft-lb (24.0 N•m) @ 2,500 rpm	20.3 ft-lb (27.5 N•m) @ 2,500 rpm
Fuel consumption	0.51 lb/hph, 340 g/kW•h	
Cooling system	Forced air	
Ignition system	Transistorized magneto	
Lubrication system	Pressure/Forced splash	
PTO shaft rotation	Counterclockwise (from PTO side)	

## TUNEUP SPECIFICATIONS

ITEM	SPECIFICATION	PAGE
Spark plug gap	0.70 - 0.80 mm (0.028 - 0.031 in)	6
Idle speed	1,400 ± 150 rpm	-
Valve clearance (cold)	IN: 0.15 ± 0.02 mm EX: 0.20 ± 0.02 mm	See your authorized Honda dealer
Other specifications	No other adjustments needed.	

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

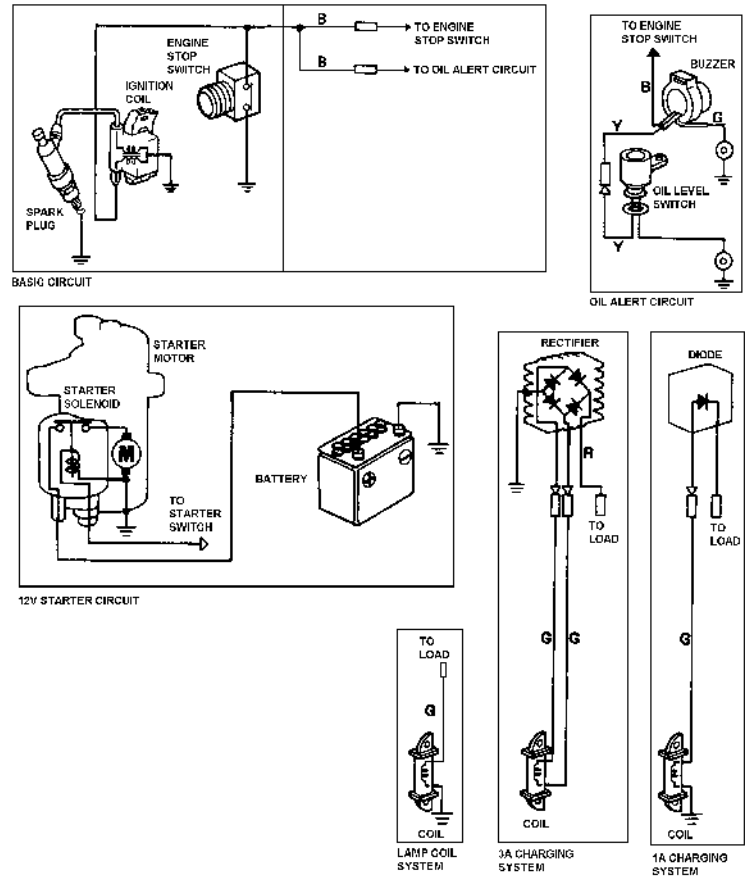
## CONSUMER INFORMATION

### Honda Publications

These publications will give you additional information for maintaining and repairing your engine. You may order them from an authorized Honda engine servicing dealer.

Shop Manual	This manual covers complete maintenance and overhaul procedures. It is intended to be used by a skilled technician.
Parts Catalog	This manual provides complete, illustrated parts lists.

## Wiring Diagram



## DISTRIBUTOR'S LIMITED WARRANTY

PRODUCTS COVERED BY THIS WARRANTY:		LENGTH OF WARRANTY: (FROM DATE OF ORIGINAL PURCHASE)	
PRODUCT	APPLICATIONS	NONCOMMERCIAL/ NONRENTAL	COMMERCIAL/ RENTAL
GXV Series Engines	ALL(1)	24 months	24 months

(1) Honda GXV series general purpose engines have a 3 months warranty period when installed on concession type vehicles.

### To Qualify for this Warranty:

The Honda general purpose engine must be purchased from a Honda general purpose engine dealer or distributor authorized to sell that product in the United States, Puerto Rico, or the U.S. Virgin Islands. This limited warranty applies to first retail purchaser and each subsequent owner during the applicable warranty time period.

### What American Honda Will Repair or Replace Under Warranty:

American Honda will repair or replace, at its option, any part that is proven to be defective in material or workmanship under normal use during the applicable warranty time period. Warranty repairs and replacements will be made without charge for parts or labor. Anything replaced under warranty becomes the property of American Honda Motor Company, Inc. All parts replaced under warranty will be considered as part of the original product and any warranty on those parts will expire coincident with the original product warranty.

### To Obtain Warranty Service:

You must take your Honda general purpose engine, or the equipment in which it is installed, together with proof of original retail purchase date, at your expense, to a Honda engine dealer or distributor authorized to sell that product in the United States, Puerto Rico, or the U.S. Virgin Islands, during their normal business hours. Many Honda engine dealers and distributors are listed in the yellow pages of the telephone directory under gasoline engines, lawn & garden equipment & supplies, etc.

If you are unable to obtain warranty service, or are dissatisfied with the warranty service you receive, take the following steps: First, contact the owner of the dealership or distributor involved; normally this should resolve the problem. However, if you should require further assistance, write or call the Power Equipment Customer Relations Department of American Honda Motor Co., Inc. Refer to page 12 for contact information.

### Exclusions:

THIS WARRANTY DOES NOT EXTEND TO PARTS AFFECTED OR DAMAGED BY THE PRODUCT IN WHICH THE ENGINE IS INSTALLED, OR BY ACCIDENT AND/OR COLLISION, MISUSE, NEGLIGENCE, PARTS WORN BEYOND SERVICE LIMITS DUE TO NORMAL WEAR/NORMAL SERVICE LIFE, PARTS AFFECTED OR DAMAGED BY THE CONVERSION TO OR USE OF FUEL OTHER THAN THE FUEL(S) WHICH THE ENGINE IS ORIGINALLY MANUFACTURED TO USE, POOR OPERATION RELATED TO FUEL CONTAMINATION OR FUEL QUALITY, PARTS DAMAGED BY FUEL CONTAMINATION, THE INCORPORATION OF, OR USE OF, UNSUITABLE ATTACHMENTS OR PARTS, THE UNAUTHORIZED ALTERATION OF ANY PART OR ANY CAUSES OTHER THAN DEFECTS IN MATERIAL OR WORKMANSHIP OF THE ENGINE. USE OF THE HONDA GENERAL PURPOSE ENGINE FOR RACING OR COMPETITION WILL VOID THIS WARRANTY.

### Disclaimer of Consequential Damage and Limitation of Implied Warranties:

AMERICAN HONDA DISCLAIMS ANY RESPONSIBILITY FOR LOSS OF TIME OR USE OF THE ENGINE, OR THE EQUIPMENT IN WHICH THE ENGINE IS INSTALLED, TRANSPORTATION, COMMERCIAL LOSS, OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGE. ANY IMPLIED WARRANTIES ARE LIMITED TO THE DURATION OF THIS WRITTEN LIMITED WARRANTY. Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusions and limitations may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

### International Warranty

See pages 13 and 14.

## Emission Control System Warranty

Your new Honda Power Equipment engine complies with both the U.S. EPA and State of California emission regulations. American Honda provides the same emission warranty coverage for engines sold in all 50 states.

### Your Warranty Rights And Obligations:

#### California

The California Air Resources Board and American Honda Motor Co., Inc. are pleased to explain the emission control system warranty on your Honda Power Equipment engine. In California, new utility and lawn and garden equipment engines must be designed, built and equipped to meet the State's stringent anti-smog standards.

#### Other States

In other areas of the United States your engine must be designed, built, and equipped to meet the U.S. EPA emission standard for spark-ignited engines at or below 19 kilowatts.

#### All States

American Honda Motor Co., Inc. must warrant the emission control system on your power equipment engine for the period of time listed below provided there has been no abuse, neglect or improper maintenance of your power equipment engine. Where a warrantable condition exists, American Honda Motor Co., Inc. will repair your power equipment engine at no cost to you including diagnosis, parts and labor.

Your emission control system may include such parts as the carburetor or fuel injection system, the ignition system, and catalytic converter. Also included may be hoses, connectors and other emission-related assemblies.

### Manufacturer's Warranty Coverage:

The 1995 and later power equipment engines are warranted for two years. If any emission-related part on your engine is defective, the part will be repaired or replaced by American Honda Motor Co., Inc.

### Owner's Warranty Responsibility:

As the power equipment engine owner, you are responsible for the performance of the required maintenance listed in your owner's manual. American Honda Motor Co., Inc. recommends that you retain all receipts covering maintenance on your power equipment engine, but American Honda Motor Co., Inc. cannot deny warranty coverage solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

As the power equipment engine owner, you should however be aware that American Honda Motor Co., Inc. may deny you warranty coverage if your power equipment engine or a part has failed due to abuse, neglect, improper maintenance, or unapproved modifications.

You are responsible for presenting your power equipment engine to a Honda Power Equipment dealer as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

If you have any questions regarding your warranty rights and responsibilities, you should write or call the Honda Power Equipment Customer Relations Department. Refer to page 12 for contact information.

### Warranty Coverage:

Honda power equipment engines manufactured after January 1, 1995 and sold in the State of California, and U.S. EPA certified engines manufactured on or after September 1, 1996 and sold in all of the United States, are covered by this warranty for a period of two years from the date of delivery to the original retail purchaser. This warranty is transferable to each subsequent purchaser for the duration of the warranty period.

Warranty repairs will be made without charge for diagnosis, parts or labor. All defective parts replaced under this warranty become the property of American Honda Motor Co., Inc. A list of warranted parts is on the reverse side of this warranty statement. Normal maintenance items, such as spark plugs and filters, that are on the warranted parts list are warranted up to their required replacement interval only.

American Honda Motor Co., Inc. is also liable for damages to other engine components caused by a failure of any warranted part during the warranty period.

Only Honda approved replacement parts may be used in the performance of any warranty repairs and must be provided without charge to the owner. The use of replacement parts not equivalent to the original parts may impair the effectiveness of your engine emission control system. If such a replacement part is used in the repair or maintenance of your engine, and an authorized Honda dealer determines it is defective or causes a failure of a warranted part, your claim for repair of your engine may be denied. If the part in question is not related to the reason your engine requires repair, your claim will not be denied.

To Obtain Warranty Service:

You must take your Honda Power Equipment engine or the product on which it is installed, along with your warranty registration card or other proof of original purchase date, at your expense, to any Honda Power Equipment dealer who is authorized by American Honda Motor Co., Inc. to sell and service that Honda product during his normal business hours. Claims for repair or adjustment found to be caused solely by defects in material or workmanship will not be denied because the engine was not properly maintained and used.

If you are unable to obtain warranty service, or are dissatisfied with the warranty service you received, contact the owner of the dealership involved. Normally this should resolve your problem. However, if you require further assistance, write or call the Power Equipment Customer Relations Department of American Honda Motor Co., Inc.

### Exclusions:

FAILURES OTHER THAN THOSE RESULTING FROM DEFECTS IN MATERIAL OR WORKMANSHIP ARE NOT COVERED BY THIS WARRANTY. THIS WARRANTY DOES NOT EXTEND TO EMISSION CONTROL SYSTEMS OR PARTS WHICH ARE AFFECTED OR DAMAGED BY OWNER ABUSE, NEGLIGENCE, IMPROPER MAINTENANCE, MISUSE, MISFUELING, IMPROPER STORAGE, ACCIDENT AND/OR COLLISION, THE INCORPORATION OF, OR ANY USE OF, ANY ADD-ON OR MODIFIED PARTS, UNSUITABLE ATTACHMENTS, OR THE UNAUTHORIZED ALTERATION OF ANY PART.

THIS WARRANTY DOES NOT COVER REPLACEMENT OF EXPENDABLE MAINTENANCE ITEMS MADE IN CONNECTION WITH REQUIRED MAINTENANCE SERVICES AFTER THE ITEM'S FIRST SCHEDULED REPLACEMENT AS LISTED IN THE MAINTENANCE SECTION OF THE PRODUCT OWNER'S MANUAL, SUCH AS: SPARK PLUGS AND FILTERS.

### Disclaimer of Consequential Damage and Limitation of Implied Warranties:

AMERICAN HONDA MOTOR CO., INC. DISCLAIMS ANY RESPONSIBILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES SUCH AS LOSS OF TIME OR THE USE OF THE POWER EQUIPMENT, OR ANY COMMERCIAL LOSS DUE TO THE FAILURE OF THE EQUIPMENT; AND ANY IMPLIED WARRANTIES ARE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. THIS WARRANTY IS APPLICABLE ONLY WHERE THE CALIFORNIA OR U.S. EPA EMISSION CONTROL SYSTEM WARRANTY REGULATION IS IN EFFECT.

### Emission Control System Warranty Parts:

SYSTEMS COVERED BY THIS WARRANTY:	PARTS DESCRIPTION:
Fuel Metering	Carburetor assembly, Fuel injection pump, Fuel injection nozzle, Fuel regulator
Exhaust	Catalyst
Air Induction	Air filter housing, Air filter element*, Crankcase breather tube
Ignition	Flywheel magneto, Ignition pulse generator, Ignition coil assembly, Ignition control module, Spark plug cap, Spark plug*
Miscellaneous Parts	Tubing, fittings, seals, gaskets, and clamps associated with these listed systems.
* Covered up to the first required replacement only. See the Maintenance Schedule on page 4.	

### Distributor/Dealer Locator Information

To find an Authorized Honda Engine Distributor/Dealer anywhere in the United States:

Call (800) 426-7701

or visit our website: [www.honda-engines.com](http://www.honda-engines.com)

### Warranty Service Information

Servicing dealership personnel are trained professionals. They should be able to answer any questions 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, General Manager, or Owner 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 Regional Engine Distributor for your area. You can find their name, address, and phone number using the dealer/distributor locator on our website at ([www.honda-engines.com](http://www.honda-engines.com)) or by calling 1-800-426-7701.

If you are still dissatisfied after speaking with the Regional Engine Distributor, you may contact the Honda Power Equipment Customer Relations Office. You can write to:

### American Honda Motor Co., Inc.

Power Equipment Division  
Customer Service Office  
4900 Marconi Drive  
Alpharetta, GA 30005-8847

Or telephone: (770) 497-6400, M-F, 8:30 am - 6:00 pm EST

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

- Equipment manufacturer's name and model number that the engine is mounted on
- Engine model, serial number, and type (see page 8)
- Name of dealer who sold the engine to you
- Name, address, and contact person of dealer who services your engine
- Name of Distributor you contacted and the contact person
- Date of purchase
- Your name, address and telephone number
- A detailed description of the problem

## INFORMASI GARANSI INTERNASIONAL AL UNTUK MESIN SERBA GUNA Honda

Mesin Serba Guna Honda yang dipasang pada produk buatan manufaktur lain (OEM) ini dijamin oleh garansi Honda, berdasarkan persyaratan berikut:

- Syarat garansi ini berlaku bagi mesin serba guna yang diletakkan Honda untuk masing-masing negara.
- Garansi ini berlaku untuk kerusakan mesin yang disebabkan oleh masalah produksi atau spesifikasi.
- Garansi ini tidak berlaku bagi negara-negara yang tidak memiliki distributor Honda.

### Cara mereparasi produk yang memiliki garansi:

Bawalah produk Anda ke dealer yang berkaitan dengan produk-produk mesin Honda atau dealer tempat Anda membeli produk tersebut, dengan membawa nota pembelian yang Anda terima saat Anda membeli produk tersebut sebagai bukti bahwa produk Anda masih memiliki garansi. Apabila dealer tersebut menilai bahwa mesin Anda perlu diperbaiki, maka perbaikan akan diberikan.

## KETERANGAN JAMINAN ANTARABANGSA UNTUK Honda GENERAL PURPOSE ENGINES

The Honda General Purpose Engine yang diinstal dalam produk OEM dilindungi oleh jaminan Honda, dalam penerimaan berikut:

- Syarat jaminan menurut kepada general-purpose engine yang dikeluarkan oleh Honda di setiap negara.
- Syarat jaminan berlaku untuk kerusakan mesin yang disebabkan sebarang pembuatan atau spesifikasi tertentu.
- Jaminan ini tidak berlaku untuk negara dimana yang tidak ada penganter Honda.

### Bagaimana hendak membetulkan/membaliki produk anda dibawah jaminan:

Hantarkan produk OEM anda kepada penganter yang mengedar produk Honda Power atau penganter yang anda beli produk anda daripadanya, dengan resit dimasa pembelian sebarang bukti yang produk anda masih dibawah jaminan keretakan. Sekiranya penganter mengutarakan supaya produk anda perlu dibetulkan, jaminan pembetulan akan di jalankan.

## INTERNATIONAL WARRANTY INFORMATION FOR Honda GENERAL PURPOSE ENGINES

The Honda General Purpose Engine installed on this OEM product is covered by a Honda warranty, on the following assumptions.

- The warranty conditions conform to those for the general purpose engine established by Honda for each country.
- The warranty conditions apply to engine failures caused by any manufacturing or specification problem.
- The warranty does not apply to countries where there is no Honda distributor.

### How to have your product repaired under warranty:

Bring your OEM product to the dealer who deals with Honda power products or the dealer who you purchased your product from, with the receipt you received at the time of purchase as evidence that your product is still under warranty. If the dealer judges that the engine needs to be repaired, warranty repair will be performed.

## Honda 汎用エンジン 保証のご案内

このOEM製品（相手先ブランド製品）に搭載されたHonda汎用エンジンにはHondaの保証が適用されます。基本的な考え方は、以下の通りです。

- 保証条件は、その国においてHondaが定めている汎用エンジンの保証条件に依ります。
- エンジン修理の原因が製造上、仕様上のトラブルによるものである場合に保証が適用されます。
- その国にHondaディストリビューターが無い場合は、保証は受けられません。

### 保証修理の受け方

保証期間内であることの確認のため、製品購入時の領収書と共に、Honda汎用製品を扱っているディーラー又はOEM製品をお買い上げになったディーラーに製品をお持ちください。Hondaエンジンを修理する必要があるとそのディーラーが判断した場合は、保証修理が行われます。

## معلومات عن الضمانات الدولية لحركات هوندا للأغراض العامة

محركات هوندا للأغراض العامة التي تم تركيبها على المنتجات التي تم صنعها بواسطة شركات أخرى تكون مشمولة بضمان هوندا، وتخضع الضمانات الأساسية لما يلي:

- حالات الضمانات لهذه الحركات للأغراض العامة تم وضعها من قبل هوندا لكل بلد.
- يتم تطبيق شروط الضمانات التي أعطت الحركات التي سببها من أي خلل بالتصنيع أو مشاكل بالمواد.
- لا يتم تطبيق الضمانات على البلدان التي لا يوجد فيها موزع هوندا.

### كيفية إصلاح جهازك تحت هذه الضمانات

خذ جهازك إلى الوكيل الذي يتعامل بمنتجات الطائفة من هوندا أو الوكيل الذي اشترته منه مع مستخدم الشراء الذي استلمته عند وقت الشراء. كبرهان على أن جهازك لا يزال مشمول بالضمانات، إذا قرر الوكيل أن الحرك، في حاجة إلى إصلاح، يتم تنفيذ التصليح حسب الضمانات.

### INFORMATIONS SUR LA GARANTIE INTERNATIONALE DES MOTEURS A USAGE GENERAL Honda

Le moteur à usage général Honda installé sur ce matériel OEM est couvert par une garantie Honda dans les conditions suivantes:

- Les conditions de garantie sont conformes à celles pour le moteur à usage général établies par Honda pour chaque pays.
- Les conditions de garantie s'appliquent aux pannes de moteur causées par un problème de fabrication ou de spécification.
- La garantie ne s'applique pas aux pays où il n'existe pas de distributeur Honda.

#### Comment faire réparer votre matériel sous la garantie:

Apportez votre matériel OEM chez le revendeur s'occupant de matériels de puissance Honda ou chez le revendeur où vous avez acheté votre matériel, avec le reçu d'achat en main comme preuve que votre matériel est encore sous garantie. Si le revendeur estime que le moteur a besoin d'être réparé, la réparation aura lieu sous garantie.

### INFORMATIONEN ZUR INTERNATIONALEN GARANTIE FÜR HONDA-INDUSTRIEMOTOREN

Der in diesem Erstausrüster-Produkt installierte Honda-Industriemotor ist unter der nachfolgend aufgeführten Voraussetzungen von der Honda-Garantie abgedeckt:

- Die für Industriemotoren geltenden Garantiebestimmungen wurden von Honda für jedes Land festgelegt.
- Die Garantie gilt für Motordefekte, die durch einen Fabrikationsfehler oder inkorrekte Spezifikationen verursacht wurden.
- Die Garantie gilt nicht in Ländern, in denen kein Honda-Großhändler vorhanden ist.

#### Vorgehensweise bei einem Garantiefall:

Bringen Sie Ihr Erstausrüster-Produkt zu einem Honda-Händler für motorgetriebene Geräte oder zu Ihrem Verkaufshändler. Zum Beweis, daß das Produkt noch durch die Garantie abgedeckt ist, muß zu dieser Zeit der Verkaufsbeleg vorgelegt werden. Nachdem der Händler bestätigt, daß eine Reparatur des Motors erforderlich ist, werden die nötigen Garantiearbeiten ausgeführt.

### INTERNATIONALE GARANTIE INFORMATIE VOOR HONDA ALGEMEEN-GEBRUIK MOTOREN

De Honda algemeen-gebruik motor die op dit OEM product is gemonteerd, is gedekt door een Honda garantie, waarbij het volgende in acht moet worden genomen:

- De garantievoorwaarden voldoen aan die voor de algemeen-gebruik motoren opgesteld door Honda voor ieder land.
- De garantievoorwaarden zijn van toepassing op motordefecten die veroorzaakt zijn door fabricage- of specificatiefouten.
- De garantie geldt niet in landen waar geen Honda distributeur is.

#### Repareren van het product onder de garantie:

Breng uw OEM product naar een dealer die Honda elektrische producten verkoopt of naar de dealer waarvan u het product heeft gekocht, tezamen met het bewijs van aankoop zodat de dealer kan zien dat het product nog onder de garantie is. Indien de dealer van oordeel is dat de motor gerepareerd moet worden, zal deze onder de garantie worden gerepareerd.

### INFORMAZIONI SULLA GARANZIA INTERNAZIONALE PER I MOTORI Honda PER USO GENERICO

La garanzia Honda è applicabile sui motori Honda per uso generico che equipaggiano macchine prodotte da altri costruttori ed è assoggettata alle seguenti regole:

- Le condizioni di garanzia sono conformi a quelle per i motori per uso generico stabilite da Honda per ogni nazione.
- Le condizioni di garanzia si applicano da problemi del motore causati da qualsiasi problema di produzione o specifico.
- La garanzia non si applica alle nazioni nelle quali non è presente nessun rivenditore Honda.

#### Procedure per ottenere interventi in garanzia:

Portate il prodotto di altro costruttore dal rivenditore che tratta prodotti motorizzati Honda o dal rivenditore dal quale si è acquistato il prodotto, con la ricevuta firmata nel momento dell'acquisto, come prova che il prodotto è ancora in garanzia. Se il rivenditore ritiene che il motore necessita di riparazioni, verranno eseguite le riparazioni in garanzia.

### INFORMACIÓN SOBRE LA GARANTÍA INTERNACIONAL DE LOS MOTORES Honda DE USO GENERAL

El motor Honda de uso general instalado en este producto de fabricante de equipo original (OEM) está cubierto por una garantía de Honda, bajo las condiciones siguientes.

- Las condiciones de garantía conforman las de los motores de uso general establecidas por Honda para cada país.
- Las condiciones de garantía se aplican a las averías de motores causadas por un problema de fabricación o de especificaciones.
- La garantía no se aplica en los países en los que no haya ningún distribuidor de Honda.

#### Cómo hacer para que le reparen su producto en garantía:

Lleve su producto OEM al concesionario que comercializa productos motorizados Honda o al concesionario donde usted compró su producto, llevando el recibo que le entregaron en el momento de la compra como prueba de que su producto está todavía en garantía. Si el concesionario cree que hay que reparar el motor, se le realizará la reparación aplicando la garantía.

### 本田通用發動機國際保修通知

該OEM產品中安裝的本田通用發動機包含有下列前提下的本田保修承諾。

- 保修條件應符合本田針對各國制定的通用發動機的保修條件。
- 保修條件適用於因任何製造或規格問題所造成的發動機故障。
- 該保修不適用於充本田經銷商的国家。

#### 如何使您的產品得到保修修理:

將您的OEM產品送到辦理本田動力產品的經銷商或他購買該產品的經銷商, 出示購買時所得到的發票, 以證明您的產品仍在保修期內。若經銷商判定該發動機需要修理時, 就會得到保修修理。

### ขอแจ้งเกี่ยวกับการรับประกันสินค้าเครื่องยนต์ทั่วไป สำหรับเครื่องยนต์ Honda

เครื่องยนต์ Honda ที่ติดตั้งบนผลิตภัณฑ์ของ OEM ได้รับการคุ้มครองโดยเงื่อนไขของ Honda ดังต่อไปนี้

- เงื่อนไขการรับประกันที่ Honda กำหนดจะสอดคล้องกับข้อกำหนดที่ Honda กำหนดไว้ในแต่ละประเทศ
- เงื่อนไขการรับประกันจะครอบคลุมถึงการรับประกันสินค้าของ Honda ที่เกี่ยวข้องกับการรับประกันสินค้าของ OEM
- การรับประกันจะเฉพาะสำหรับเครื่องยนต์ Honda เท่านั้น

#### การเข้ารับการซ่อมภายใต้เงื่อนไขการรับประกัน

นำผลิตภัณฑ์ OEM ของท่านไปยังร้านค้าปลีกที่มีการจัดตั้งทางออนไลน์ที่ศูนย์บริการลูกค้าของ Honda หรือไปที่ร้านค้าปลีกที่จำหน่ายเครื่องยนต์ Honda หรือไปที่ศูนย์บริการลูกค้าของ Honda เพื่อเป็นหลักฐานว่าผลิตภัณฑ์ของท่านยังอยู่ในช่วงระยะเวลาการรับประกันที่ถูกต้อง ความเสียหายที่เกิดกับเครื่องยนต์ที่ได้รับการซ่อมแซมแล้วจะต้องได้รับการซ่อมแซมโดยช่างเทคนิคที่ได้รับอนุญาต



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