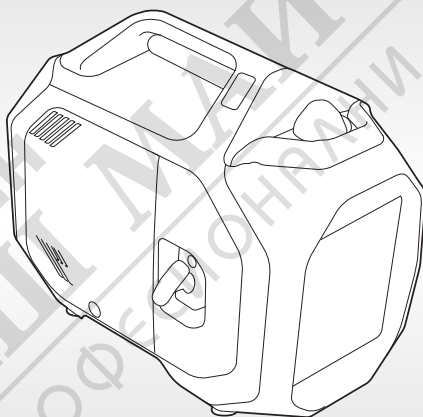




HONDA

GENERATOR

EU32i



МАГАЗИН МАСТЕРОВ
БАШ ДАШ ДАШ
ПРОФЕССИОНАЛЬНЫЕ РЕШЕНИЯ



OWNER'S MANUAL
MANUEL DE L'UTILISATEUR
BEDIENUNGSANLEITUNG
MANUALE DELL'UTENTE

Service & Support



V1

2021

apan



Honda EU32i

OWNER'S MANUAL

Original instructions



MANUEL DE L'UTILISATEUR

Notice originale



BEDIENUNGSANLEITUNG

Originalbetriebsanleitung



MANUALE DELL'UTENTE

Traduzione delle istruzioni originali



МАСТЕР
БАЛТ МАЙСТОРА
ПРОФЕСИОНАЛНИ РЕШЕНИЯ

WARNING

Exhaust contains poisonous carbon monoxide gas that can build up to dangerous levels in enclosed or partly enclosed areas.

Breathing carbon monoxide can cause unconsciousness or death.

Never run this product's engine in an enclosed, or even partly enclosed area.

Keep this owner's manual handy so that you can refer to it 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 whatsoever.

The illustration may vary according to the type.



INTRODUCTION

Thank you for purchasing a Honda generator.

We would like 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.

We suggest you read the warranty to fully understand its coverage and your responsibilities of ownership.

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.



МАГАЗИН
БАШ МАЙСТРА
ПРОФЕСИОНАЛНИ РЕШЕНИЯ

INTRODUCTION


A FEW WORDS ABOUT SAFETY

Your safety and the safety of others are very important.

We have provided important safety messages in this manual and on the generator. This information alerts you to potential hazards that could hurt you or others. Please read these messages carefully.

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:

- **Safety Labels** — on the generator.
- **Instructions** — how to use this generator correctly and safely.
- **Safety Headings** — such as *IMPORTANT SAFETY INFORMATION*.
- **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 do not follow instructions.

 **WARNING**

You **CAN** be **KILLED** or **SERIOUSLY HURT** if you do not follow instructions.

 **CAUTION**

You **CAN** be **HURT** if you do not follow instructions.

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

DAMAGE PREVENTION MESSAGES

In addition to the above, 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.

CONTENTS

INTRODUCTION	1
GENERATOR SAFETY	6
IMPORTANT SAFETY INFORMATION	6
Operator Responsibility	6
Carbon Monoxide Hazards	7
Electric Shock Hazards	8
Fire and Burn Hazards	9
Refuel With Care	9
Explosion proof	10
Vehicles and Transportation Hazards	10
Disposal	10
Disposing of generator	10
SAFETY LABEL LOCATIONS	11
INITIAL USE INSTRUCTIONS	16
ENGINE OIL	16
ENGINE OIL RECOMMENDATIONS	17
FUEL	18
FUEL RECOMMENDATIONS	20
CONTROLS & FEATURES	21
COMPONENT & CONTROL LOCATIONS	21
CONTROLS	23
Engine Switch	23
Starter Grip	23
Eco Throttle Switch	24
Parallel Operation Outlets	25
AC Circuit Protector	25
FEATURES	26
Ground Terminal	26
Fuel Level Indicator	27
Output Indicator	27
Overload Alarm (Indicator)	28
Oil Alert/Check Indicator	28
LED Light Patterns	29
Bluetooth® Function	30
Smartphone application	30
Grip and Under Grip	32

CONTENTS


BEFORE OPERATION	33
ARE YOU READY TO GET STARTED?	33
Knowledge	33
IS YOUR GENERATOR READY TO GO?	33
Check the Engine	34
AC Appliance and Power Cord	34
ENGINE OIL LEVEL CHECK	36
AIR FILTER CHECK	37
SAFE OPERATING PRECAUTIONS	39
OPERATION	40
STARTING THE ENGINE	40
STOPPING THE ENGINE	42
STOPPING THE ENGINE with <i>Bluetooth</i> [®] ENABLED SMARTPHONE	43
AC OPERATION	44
AC Applications	46
AC PARALLEL OPERATION	47
AC Parallel Operation Applications	48
ECO THROTTLE SYSTEM	50
STANDBY POWER	51
Connections to a Building's Electrical System	51
System Ground	51
Special Requirements	52
SERVICING YOUR GENERATOR	53
THE IMPORTANCE OF MAINTENANCE	53
MAINTENANCE SAFETY	54
Safety Precautions	54
MAINTENANCE SCHEDULE	55
ENGINE OIL CHANGE	56
AIR CLEANER SERVICE	57
Foam Air Filter Cleaning	57
SPARK PLUG SERVICE	58
SPARK ARRESTER SERVICE	60
STORAGE	62
STORAGE PREPARATION	62
Cleaning	62
Fuel	62
Engine Oil	65
Engine Cylinder	65
STORAGE PRECAUTIONS	66
REMOVAL FROM STORAGE	66

TRANSPORTING	67
TAKING CARE OF UNEXPECTED PROBLEMS	69
ENGINE SPEED IS UNSTABLE OR WILL NOT START	69
ENGINE LACKS POWER.....	70
NO POWER AT THE AC RECEPTACLES	70
TECHNICAL INFORMATION	71
SERIAL NUMBER LOCATION	71
SPECIFICATIONS	72
REFERENCE INFORMATION	77
SUPPLEMENT	end of the book
<ul style="list-style-type: none">• WIRING DIAGRAM• MAJOR Honda DISTRIBUTOR ADDRESSES• "UK Declaration of Conformity" CONTENT OUTLINE• "EC Declaration of Conformity" CONTENT OUTLINE	



GENERATOR SAFETY

IMPORTANT SAFETY INFORMATION

Honda generators are designed for use with electrical equipment that has suitable power requirements. Other uses can result in injury to the operator or damage to the generator and other property. 

Most injuries or property damage can be prevented if you follow all instructions in this manual and on the generator. The most common hazards are discussed below, along with the best way to protect yourself and others.

Operator Responsibility

- Never attempt to modify the generator. It can cause an accident as well as damage to the generator and appliances. Tampering with the engine voids the EU type-approval of this engine.
 - Do not connect an extension to the muffler.
 - Do not modify the intake system.
 - Do not adjust the governor.
 - Do not remove the control panel or do not change the wiring of the control panel.
- 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.
- Protect children by keeping them at a safe distance from the generator.
- Be sure to observe the instructions in this manual for how to use the generator and maintenance information. Ignoring or improperly following the instructions can cause an accident such as an electric shock, and the condition of the exhaust gas may deteriorate.
- Do not operate the generator with any cover removed. You may get your hand or foot caught in the generator and it may cause accident.
- Consult your authorized Honda dealer for disassembly and service of the generator that are not covered in this manual.
- Obey all applicable laws and regulations where the generator is used.

- Gasoline and Oil is toxic. Follow the instructions provided by each manufacturer before use.
- Place the generator on a firm level place before operation.

Carbon Monoxide Hazards

A generator's exhaust contains toxic carbon monoxide, which you cannot see or smell. Breathing carbon monoxide can KILL YOU IN MINUTES. To avoid carbon monoxide poisoning, follow these instructions when operating a generator:

- Only run a generator OUTSIDE, far away from windows, doors, and vents with engine exhaust directed away from occupied structures.
- Never operate a generator inside a house, garage, basement, crawl space, any type of vehicle, trailer, or boat, or any enclosed or partly enclosed space.
- Never operate a generator near open doors, windows, vents, or hatches.
- Get fresh air and seek medical attention immediately if you suspect you have inhaled carbon monoxide.

Early symptoms of carbon monoxide exposure include headache, fatigue, shortness of breath, nausea, and dizziness. Continued exposure to carbon monoxide can cause loss of muscular coordination, loss of consciousness, and then death.



GENERATOR SAFETY

Electric Shock Hazards

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

- Do not use in wet conditions. Keep the generator dry.
 - Do not use in the rain or snow.
 - Do not use near pool or a sprinkler system.
 - Do not use when your hands are wet.
- If the generator is stored outdoors, unprotected from the weather, check all of the electrical components on the control panel before each use. Moisture or ice can cause a malfunction or short circuit in electrical components that could result in electrocution.
- Do not connect to a building's electrical system unless an isolation switch has been installed by a qualified electrician.
- For parallel operation, use only a Honda approved parallel cable (optional equipment) when connecting one EU32i to another EU32i generator.
- Never connect different generator models.
- If you get an electric shock, consult a doctor and have medical treatment immediately.



Fire and Burn Hazards

- The exhaust system gets hot enough to ignite some materials.
 - Keep the generator at least 1 meter (3 feet) away from buildings and any type of vehicle, trailer, boat, or other equipment during operation.
 - Do not enclose the generator in any structure.
 - Keep flammable materials away from the generator.
 - Do not block intake or exhaust vents, hoses, ports, or restrict air into or away from generator.
 - Do not add, remove, or modify covers, panels, cowlings, or straps.
- Some parts of the internal combustion engine are hot and may cause burns. Pay attention to the warnings on 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.
- Do not pour the water directly on the generator to put out the fire when it occurs. Use an appropriate fire extinguisher specially designed for electric fire or oil fire.
- If you inhale fumes produced by an accidental fire with the generator, consult a doctor and have medical treatment immediately.

Refuel With Care

Gasoline is highly flammable, and gasoline vapor can explode.

- Do not refuel during operation.
- Allow the engine to cool if it has been in operation.
- Refuel only outdoors in a well-ventilated area and on a level surface.
- Never smoke near gasoline, and keep other flames and sparks away.
- Do not overfill the fuel tank.
- Make sure that any spilled fuel has been wiped up and cleaned before starting the engine.
- Always store gasoline in an approved container.

GENERATOR SAFETY

Explosion proof

This generator is not compliant with explosion proof.

Vehicles and Transportation Hazards

- Drain the fuel from the fuel tank when transporting.
- Do not operate the generator while it is being transported or while it is mounted to any type vehicle, trailer, or boat.
- Do not operate the generator when it is in a storage, cargo, or security enclosure, including any RV generator bay.
- Always completely remove the generator from the vehicle, RV, truck, trailer, boat, other equipment or structure during operation.
- The generator must remain stationary while in operation.

Disposal

To protect the environment, do not dispose of the used generator, battery, engine oil, etc. carelessly by leaving them in the waste. Observe the local laws or regulations or consult your authorized Honda generator dealer to dispose of these parts.

Please dispose of used motor oil in a manner that is compatible with the environment. We suggest you take it in a sealed container to your local service station for reclamation. Do not throw it in the trash or pour it on the ground.

An improperly disposed battery can hurt the environment. Always confirm local regulations for battery disposal. Contact your servicing dealer for a replacement.

Disposing of generator



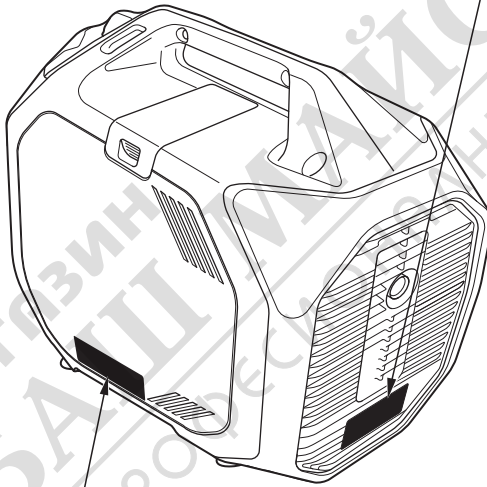
Do not dispose of electric equipment together with household waste material. If electrical appliances are disposed of in landfills or dumps, substances can leak and react and enter into the foodchain, damaging your health and well-being. For further information on the disposal of this product, please contact your dealer or your nearest domestic waste collection service.

SAFETY LABEL LOCATIONS

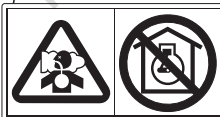
These labels warn you of potential hazards that can cause serious injury. Read them carefully.

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

HOT CAUTION



READ OWNER'S
MANUAL



EXHAUST CAUTION



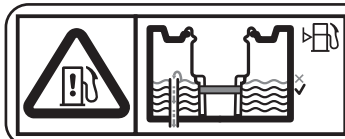
FUEL CAUTION



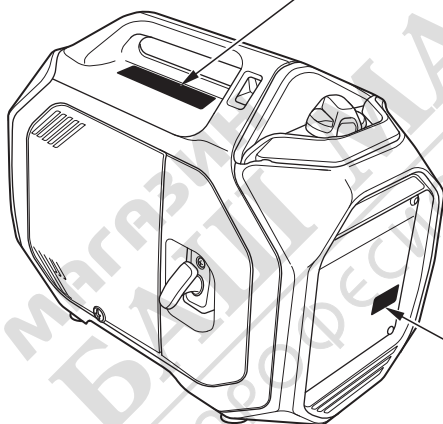
CONNECT
CAUTION

GENERATOR SAFETY

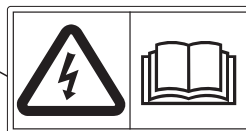
DO NOT OVER FILL



DO NOT TIP



SOCKET CAUTION



GENERATOR SAFETY



- A hot exhaust system can cause serious burns. Avoid contact if the engine has been running.



- Honda generator is designed to give safe and dependable service if operated according to instructions. Read and understand the Owner's Manual before operating the generator. Failure to do so could result in personal injury or equipment damage.



- Exhaust contains poisonous carbon monoxide, a colorless, odorless gas. Breathing carbon monoxide 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 area, the air you breathe could contain a dangerous amount of exhaust gas.
- Never run your generator inside a garage, house or near open windows or doors.

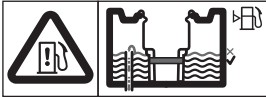


- Gasoline is highly flammable and explosive. Turn the engine off and let it cool before refueling.

GENERATOR SAFETY



- Improper connections to a building's electrical system can allow 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 prior to making any power connections.



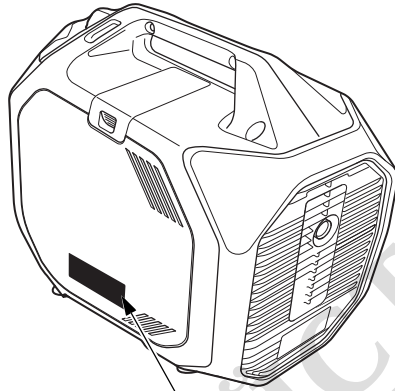
- Do not fill tank past red limit mark. Overfilling or tipping over the generator can result in fuel flowing through the vent tube and causing a leak and fire. You can be burned or seriously injured.



- Connect and remove the receptacle box for parallel operation with the engine stopped.
- For single operation, the receptacle box for parallel operation must be removed.



- CE mark, UKCA mark and noise label locations



CE MARK, UKCA MARK and NOISE LABEL

NOISE LABEL

Performance class

Name and address of the manufacturer

Quality class

Year of manufacture

IP code

Dry mass (weight)

Name and address of authorized representative

EU 32i		UKCA	
Low-power generating set EN ISO 8528-13			
Maximum power	MAX 3.2 kW	50 Hz	G1
Rated power	COP 2.6 kW	230 V	A
Rated power factor	1.0	11.3 A	IP23M
Year of Mfg.		Mass	kg

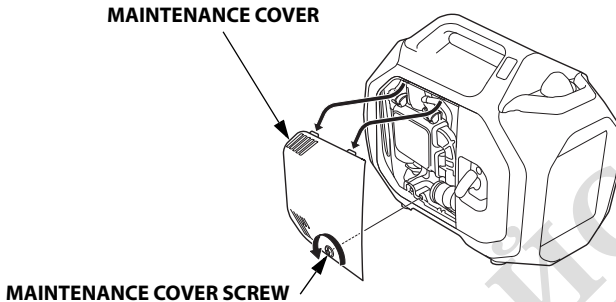
Name and address of manufacturer, authorized representative are written in the “Declaration of Conformity” CONTENT OUTLINE in this Owner’s Manual.

INITIAL USE INSTRUCTIONS

ENGINE OIL

The generator is shipped **WITHOUT OIL** in the engine.

1. Place the generator on a level surface.
2. Loosen the maintenance cover screw and remove the maintenance cover.

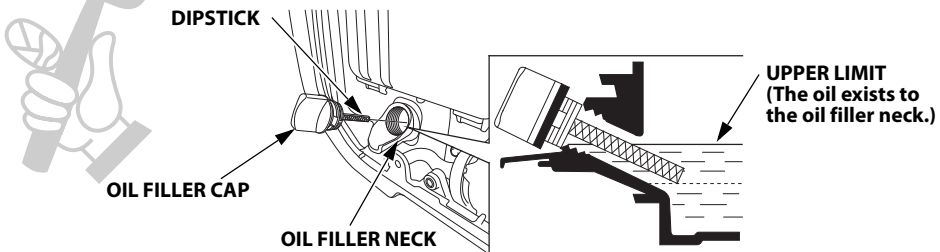


3. With the generator in a level position, remove the oil filler cap by turning it counterclockwise.
4. Add enough oil to bring the oil level to the upper limit of the oil filler neck. SAE10W-30 API service category SE or later (or equivalent) is recommended for general use; for additional recommendations (see page 17).

Maximum oil capacity: 0.46 L (0.48 US qt, 0.40 Imp qt)

Do not overfill the engine with oil. If the engine is overfilled, the excess oil may be transferred to the air cleaner housing and air filter.

5. Screw in the oil filler cap securely.



6. Reinstall the maintenance cover and tighten the maintenance cover screw securely.

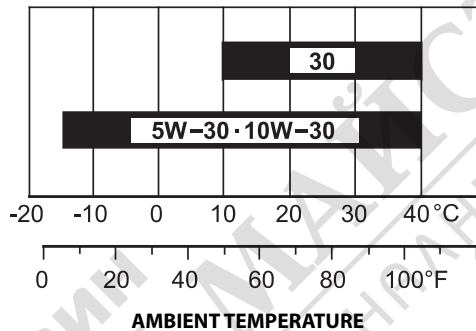
INITIAL USE INSTRUCTIONS

ENGINE OIL RECOMMENDATIONS

Oil is a major factor affecting performance and service life. Use 4-stroke automotive detergent oil.

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 recommended range.

Lubrication oil specifications necessary to maintain the performance of the emissions control system: Honda genuine oil.



Read the instructions on the oil container before use.

The SAE oil viscosity and API service category are in the API label on the oil container. Honda recommends that you use API service category SE or later (or equivalent) oil.



INITIAL USE INSTRUCTIONS

FUEL

Add fuel to the generator in a well-ventilated area. Fuel only outdoors. Keep gasoline away from appliance, such as pilot lights, barbecues, electric appliances, power tools, etc. Spilled fuel is not only a fire hazard, it causes environmental damage. Fuel carefully to avoid spilling fuel. Wipe up spills immediately. Do not fill the fuel tank above the upper level mark (red) on the fuel strainer. After fueling, reinstall the fuel tank cap securely.

When appropriate, with the engine stopped, check the fuel level indicator for the fuel level. If the fuel level is low, wait for the generator to cool off and refill the fuel tank.

This engine is certified to operate on unleaded gasoline with a research octane rating of 89 or higher. Refer to "FUEL RECOMMENDATIONS" (see page 20) for additional fuel recommendations.

WARNING

Gasoline is highly flammable and explosive.

You can be burned or seriously injured when handling fuel.

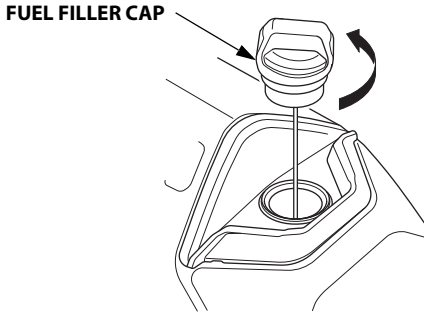
- Stop the engine and let it cool before handling fuel.
- Keep heat, sparks, and flame away.
- Handle fuel only outdoors.
- Keep away from your vehicle.
- Wipe up spills immediately.

NOTICE

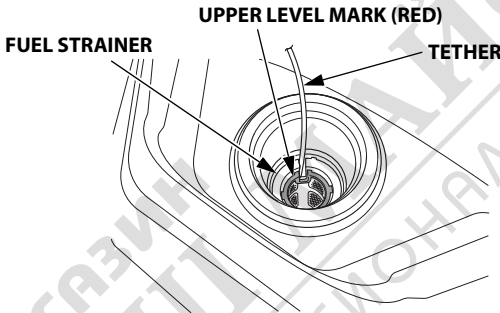
Fuel can damage paint and plastic. Be careful not to spill fuel when filling your fuel tank. Damage caused by spilled fuel is not covered under the Warranty.

INITIAL USE INSTRUCTIONS

1. Remove the fuel filler cap.



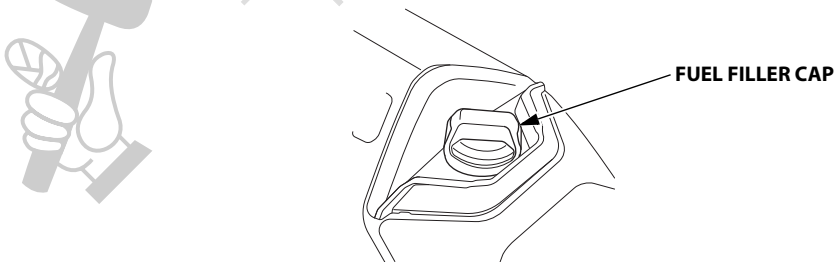
2. Fuel carefully to avoid spilling fuel. Do not fill the fuel tank above the upper level mark (red) on the fuel strainer.



NOTICE

Fuel can damage paint and plastic. Be careful not to spill fuel when filling your fuel tank. Damage caused by spilled fuel is not covered under the Warranty.

3. After refueling, tighten the fuel filler cap until it clicks.



Move the generator at least 3 meters (10 feet) away from the fueling source and site before starting the engine.

INITIAL USE INSTRUCTIONS

FUEL RECOMMENDATIONS

This engine is certified to operate on unleaded gasoline with a research octane rating of 89 or higher.

Fuel specification(s) necessary to maintain the performance of the emissions[®] control system: E10 fuel referenced in EU regulation.

Use unleaded gasoline only, or the catalyzer will lose its effectiveness and negatively affect exhaust emissions.

Never use gasoline that is stale, contaminated, or mixed with oil. Avoid getting dirt or water in the fuel tank.

You may use regular unleaded gasoline containing no more than 10% ethanol (E10) or 5% methanol by volume. In addition, methanol must contain cosolvents and corrosion inhibitors.

Use of fuels with content of ethanol or methanol greater than shown above may cause starting and/or performance problems. It may also damage metal, rubber, and plastic parts of the fuel system.

Engine damage or performance problems that result from using a fuel with percentages of ethanol or methanol greater than shown above and leaded gasoline are not covered under the Warranty.

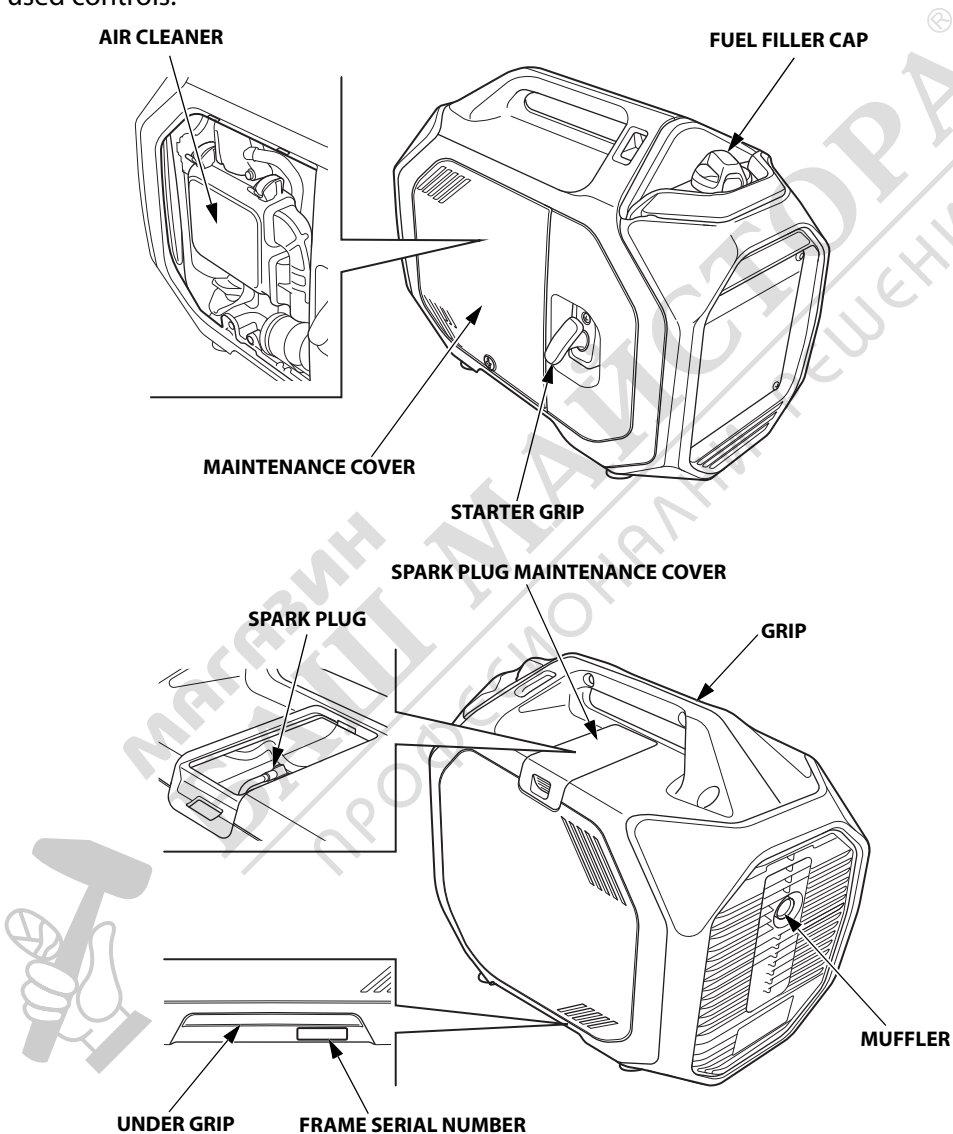
If your equipment will be used on an infrequent basis, refer to the fuel section of "STORAGE" chapter (see page 62) for additional information regarding fuel deterioration.



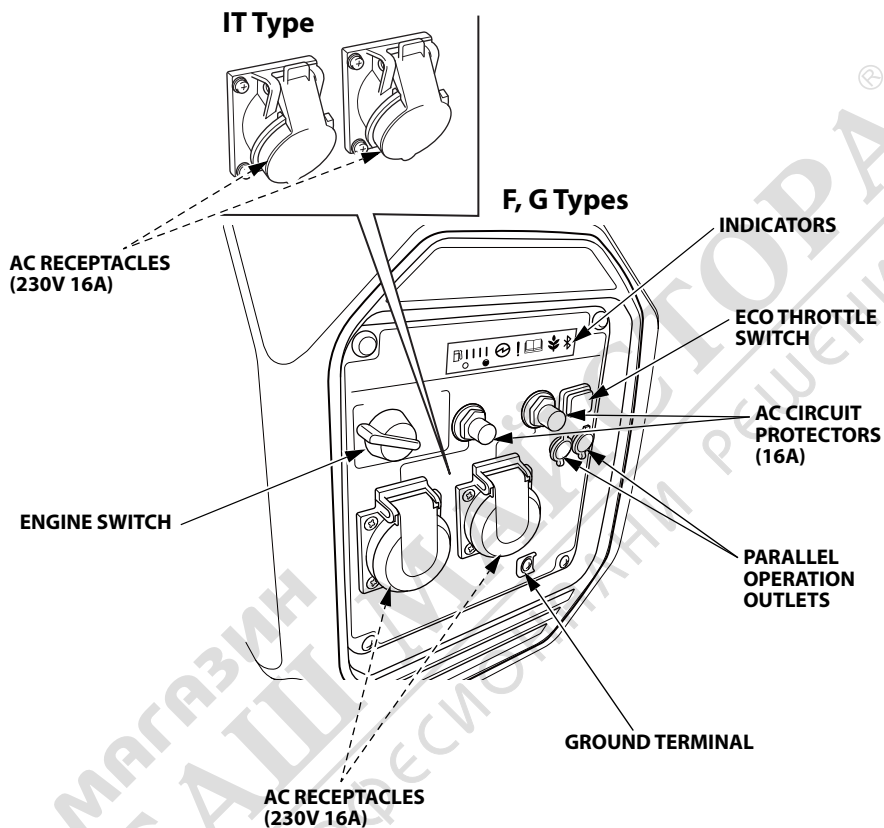
CONTROLS & FEATURES

COMPONENT & CONTROL LOCATIONS

Use the illustrations on these pages to locate and identify the most frequently used controls.



CONTROLS & FEATURES



CONTROLS

Engine Switch

The engine switch controls the ignition system.

OFF – Stops the engine.

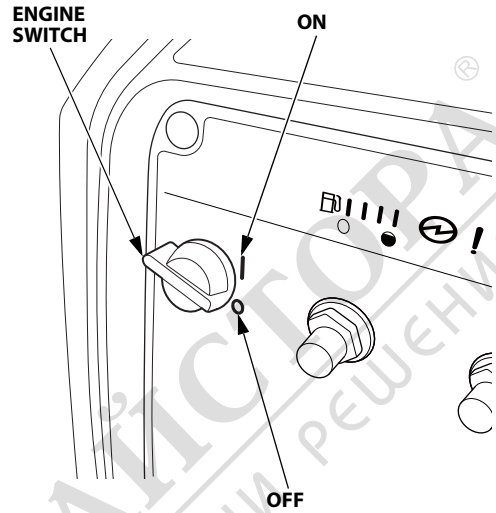
ON – Running position, and for starting with the recoil starter.

Starter Grip

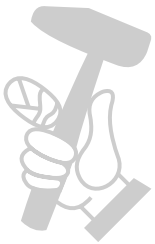
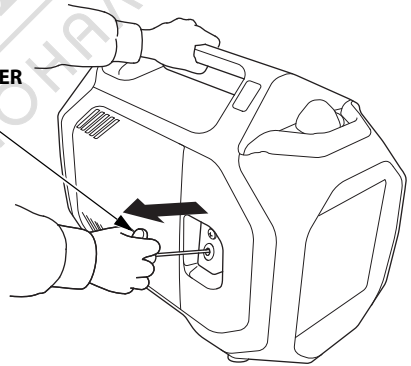
Pulling the starter grip operates the recoil starter to start the engine.

NOTICE

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



STARTER GRIP



CONTROLS & FEATURES

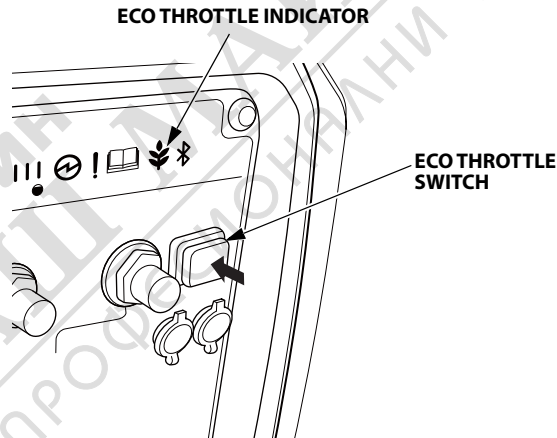
Eco Throttle Switch

The Eco Throttle system automatically reduces engine speed when loads are turned off or disconnected. When appliances are turned on or reconnected, the engine returns to the proper speed to power the electrical load.

Each time you push the Eco Throttle Switch, the system turns on and off.

If high electrical loads are connected simultaneously, push the Eco Throttle system to the OFF to reduce voltage changes.

Eco Throttle system ON	Indicator lights on (green) <ul style="list-style-type: none">• Recommended to minimize fuel consumption and further reduce noise levels when less than a full load is applied to the generator.
Eco Throttle system OFF	Indicator lights off <ul style="list-style-type: none">• The Eco Throttle system does not operate.



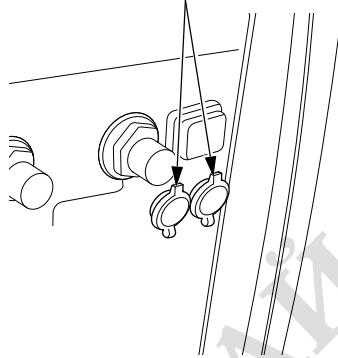
OVERLOAD RESET:

If the power generation stops due to overload and the overload alarm indicator is blinking, overload reset is available. After removing the cause of the overload, power generation can be resumed by pressing and holding the Eco Throttle switch (for more than 3 seconds).

Parallel Operation Outlets

These outlets are used for connecting two EU32i generators for parallel operation (see page 47 through 49). A Honda approved parallel cable (optional equipment) is required for parallel operation. This cable can be purchased from your servicing dealer.

PARALLEL OPERATION OUTLETS



AC Circuit Protector

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

F, G Types

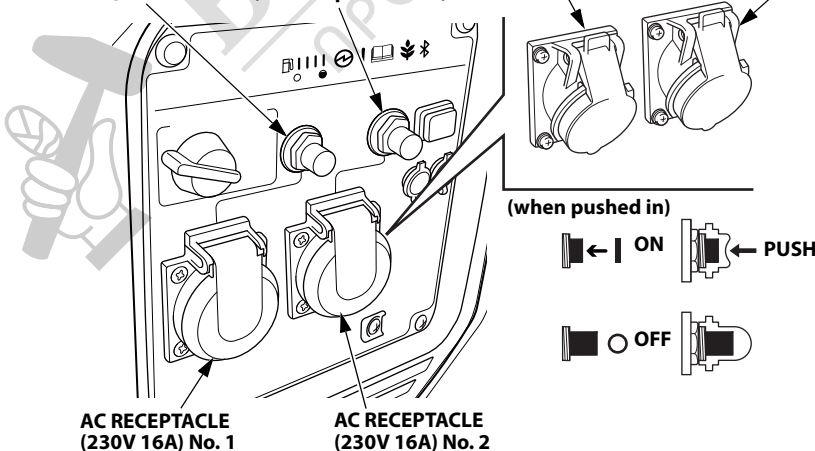
AC CIRCUIT PROTECTOR (16A)
(For receptacle No.1)

AC CIRCUIT PROTECTOR (16A)
(For receptacle No.2)

IT Type

AC RECEPTACLE (230V 16A) No. 1

AC RECEPTACLE (230V 16A) No. 2



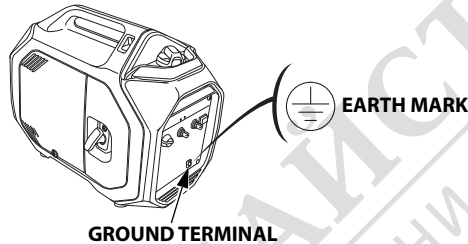
CONTROLS & FEATURES

FEATURES

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.



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

Be sure to ground the generator when the connected appliance is grounded.

To ground the terminal of the generator, use a copper wire with same or larger diameter than the cord of the connected appliance.

Use extension cord set with ground conductor when connecting an appliance with ground conductor.

To identify the Ground pin in the plug, see Receptacle page 76.



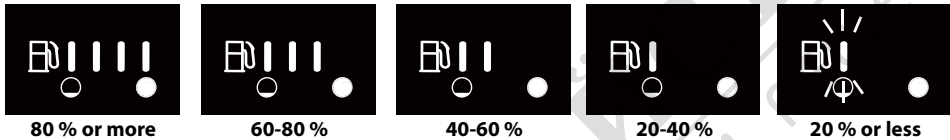
Fuel Level Indicator

The fuel level indicator is a mechanical device that measures the fuel level in the tank. To provide increased operating time, start with a full tank before operation. Check the fuel level with the generator on a level surface. Always refuel with the engine OFF and cool.



FUEL LEVEL INDICATOR

The indicator according to the generator's fuel level as follows:



80% or more

60-80%

40-60%

20-40%

20% or less

Output Indicator

The output indicator (green) is illuminated when the generator is operating normally. It indicates that the generator is producing electrical power at the receptacles.

In addition, the output indicator has a simplified hour meter function.

When you start the engine, the indicator blinks according to the generator's cumulative operating hours as follows:

- No blinks: 0–100 hours
- 1 blink: 100–200 hours
- 2 blinks: 200–300 hours
- 3 blinks: 300–400 hours
- 4 blinks: 400–500 hours
- 5 blinks: 500 or more hours



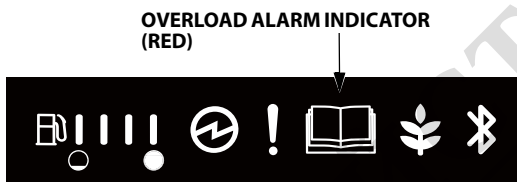
OUTPUT INDICATOR (GREEN)

CONTROLS & FEATURES

Overload Alarm (Indicator)

If the generator is overloaded (in excess of 3.2 kVA), or if there is a short circuit in a connected appliance, the overload alarm indicator (red) will come ON. The overload alarm indicator (red) will stay ON, and after about 10 seconds, when an overload or about 5 seconds in case of a short circuit, current to the connected appliance(s) will shut off, and the output indicator (green) will go OFF. However, the engine will continue to run.

If the overload alarm indicator (red) blink continuously, press and hold the ECO Throttle switch to reset it (see page 24).



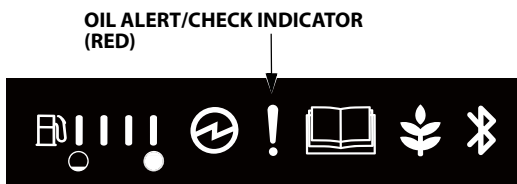
Oil Alert/Check Indicator

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 or in the case of engine overheat, the Oil Alert/Check indicator (red) comes ON and the Oil Alert system automatically will stop the engine (the engine switch will remain in the ON position).

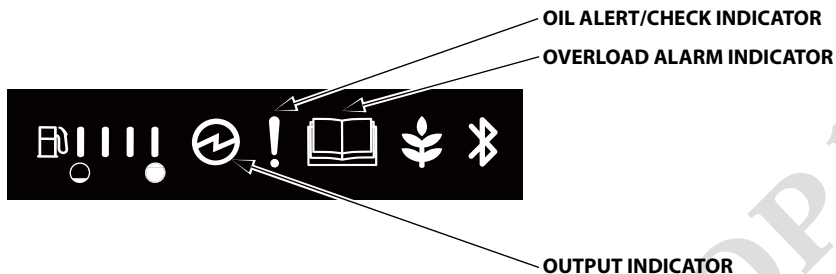
If the engine stops or the Oil Alert/Check indicator (red) comes ON when you pull the starter grip, check the engine oil level (see page 36) before troubleshooting in other areas. Also, make sure to install the generator on a level surface.

The engine may stop due to the activating the oil alert system even if the engine oil level is the normal when the generator is tilted.

If the Oil Alert/Check indicator (red) blink continuously, it suggests an abnormal, contact your servicing dealer.



LED Light Patterns



Status	Possible cause	Output Indicator	Oil Alert/Check Indicator	Overload Alarm Indicator
Normal	Operating normally	○	●	●
Malfunction	Inverter unit failure etc.	○/●/☼	☼	●
Abnormal	Output overcurrent	●	●	○/☼
	Inverter unit overheat	●	●	○
Warning	<ul style="list-style-type: none"> • Engine oil low • Tilt detection • Engine overheat 	●	○	●

○: ON

●: OFF

☼: Blinking

Refer to "TAKING CARE OF UNEXPECTED PROBLEMS" on page 69 for failure diagnosis.

CONTROLS & FEATURES

Bluetooth® Function

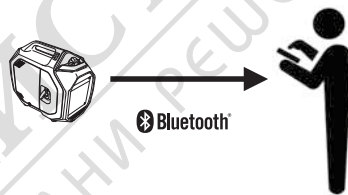
The generator is connected to a smartphone via a *Bluetooth*® connection.

- The range between your *Bluetooth*® enabled smartphone and the generator can be maximized when there is a clear, obstruction free, line-of-sight between devices. The connection distance is also affected by the type of smartphone used and the surrounding environment, structures, and electronic interference.

Smartphone application

The Honda “My Generator” smartphone application is for use only with Honda generators equipped with *Bluetooth*® technology. The application is able to do the following convenient functions:

- Remote stop:
Can stop the generator engine from a distance
- Remote change the Eco Throttle system from a distance
- Remote monitoring:
Displays power output level and remaining fuel level etc.
- Receive notifications:
Can receive error and maintenance alerts



Downloading the app

Go to the App Store (iOS) or Google Play (Android) and search for “Honda My Generator” to download the app.

Pairing (For first time connection only)

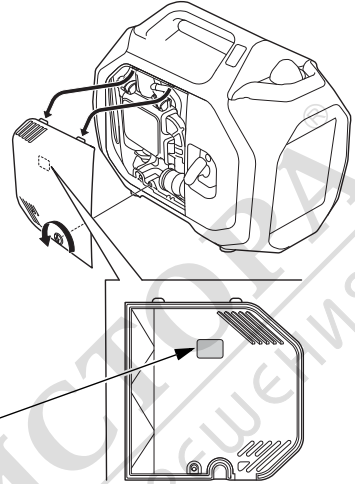
Refer to the Support on the Honda “My Generator” smartphone application to pair the smartphone with the generator.

- Perform the pairing operation within 30 seconds after starting the engine.





BLUETOOTH INDICATOR



BLUETOOTH PASSWORD

The indicator according to the *Bluetooth*® connection as follows:

- OFF: Not connected
- Fast Blinking: Malfunction
- Slow Blinking: Pairing available
- ON: Connected

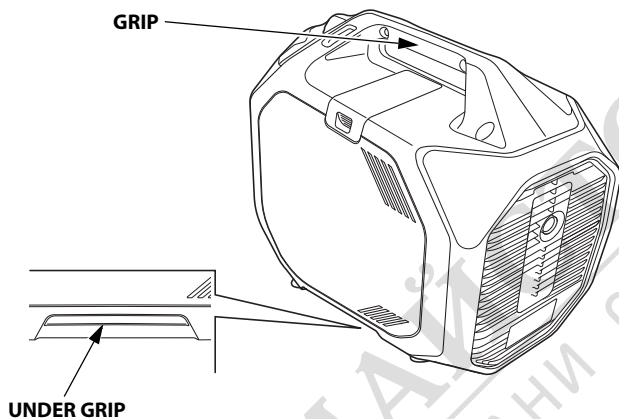


CONTROLS & FEATURES

Grip and Under Grip

Use the grip by your hand when lifting the generator.

In addition to using the grip, you can lift the generator using the under grip by the other hand if necessary.



BEFORE OPERATION

ARE YOU READY TO GET STARTED?

Your safety is your responsibility. A little time spent in preparation will significantly reduce your risk of injury.

Knowledge

Read and understand this manual. Know what the controls do and how to operate them.

Familiarize yourself with the generator and its operation before you begin using it. Know how to quickly shut off the generator in case of an emergency.

If the generator is being used to power appliances, be sure that they do not exceed the generator's load rating (see pages 46 and 49).

IS YOUR GENERATOR READY TO GO?

For your safety, to ensure compliance with environmental regulations, and to maximize the service life of your equipment, it is very important to take a few moments before you operate the generator 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 generator.

WARNING

Failure to properly maintain this generator, or failing to correct a problem before operation, could result in a significant malfunction.

Some malfunctions can cause serious injuries or death.

Always perform a pre-operation inspection before each operation and correct any problems.



BEFORE OPERATION

To prevent a possible fire, keep the generator at least 1 meter (3 feet) away from building walls, vehicles, and other equipment during operation. Do not place flammable objects close to the engine or exhaust.

Before beginning your pre-operation checks, be sure the generator is on a level and firm surface and the engine switch is in the OFF position.

Check the Engine

- Before each use, look around and underneath the engine for signs of oil or gasoline leaks.
- Check the engine oil level (see page 36). A low engine oil level will cause the Oil Alert system to shut down the engine.
- Check the air filters (see page 37). Dirty air filters will restrict air flow to the fuel system, reducing engine and generator performance.
- Check the fuel level (see page 18). Starting with a full tank will help to eliminate or reduce operating interruptions for refueling.

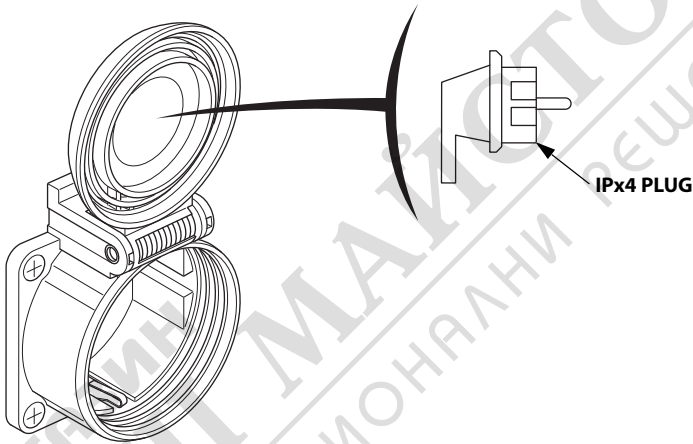
AC Appliance and Power Cord

Before connecting an AC appliance or power cord to the generator:

- Use grounded 3-prong extension cords, tools, and appliances, or double-insulated tools and appliances.
- Inspect cords and plugs, and replace if damaged.
- Make sure that the appliance is in good working order. Faulty appliances or power cords can create a potential for electric shock.
- Make sure the electrical rating of the tool or appliance does not exceed the rated power of the generator or the receptacle being used.
- Do not exceed the current limit specified for any one receptacle.
- When an extension cable is required, be sure to use a tough rubber sheathed flexible cable (IEC 245 or equivalent).
When using an extension cable the resistance value shall not exceed 1.5 Ω .

BEFORE OPERATION

- Limit length of extension cables; 60 m (200 feet) for cables of 1.5 mm² (0.0023 in²) and 100 m (330 feet) for cables of 2.5 mm² (0.0039 in²). Long extension cables will lower usable power due to resistance in the extension cable.
- Keep the generator away from other electric cables or wires such as commercial power supply lines.
- G Type
WARNING: When connecting an angled plug, be sure to use only a IPx4 plug.

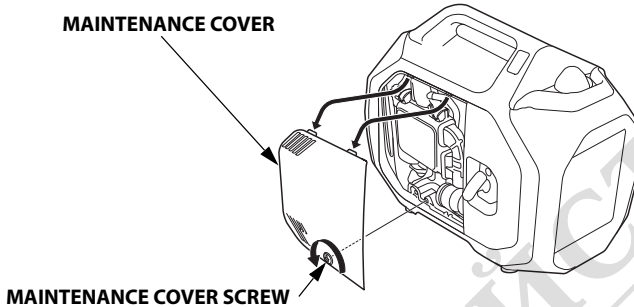


BEFORE OPERATION

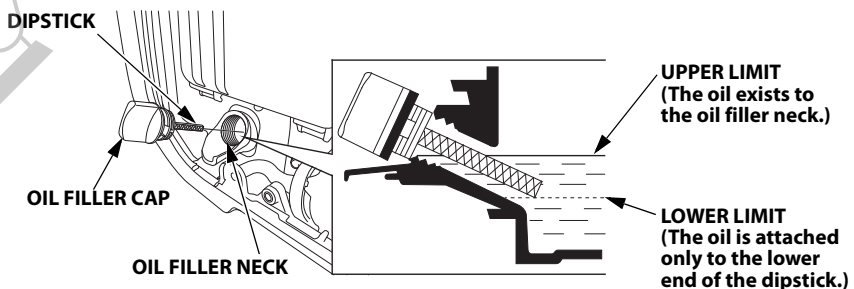
ENGINE OIL LEVEL CHECK

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

1. Loosen the maintenance cover screw and remove the maintenance cover.



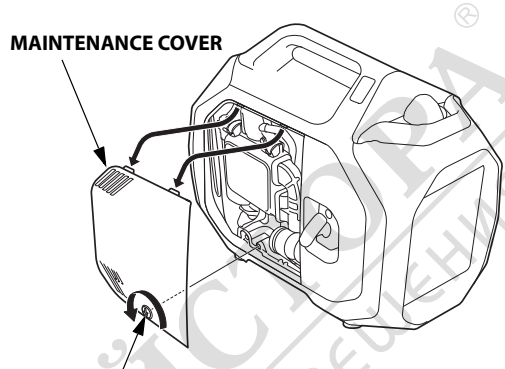
2. Remove the oil filler cap by turning it counterclockwise. Wipe the dipstick clean.
3. Insert the dipstick into the oil filler neck as shown, but do not screw it in, then remove it to check the oil level.
4. If the oil level is near or below the lower limit, fill with the recommended oil to the upper limit. Do not overfill.
 - "Upper limit" means the oil exists to the oil filler neck.
 - "Lower limit" means the oil is attached only to the lower end of the dipstick.Refer to "ENGINE OIL RECOMMENDATIONS" in page 17.
5. Reinstall the oil filler cap securely.
6. Reinstall the maintenance cover and tighten the maintenance cover screw securely.



The Oil Alert system will automatically stop the engine before the oil level falls below safe limits. However, to avoid the inconvenience of an unexpected shutdown, check the oil level regularly.

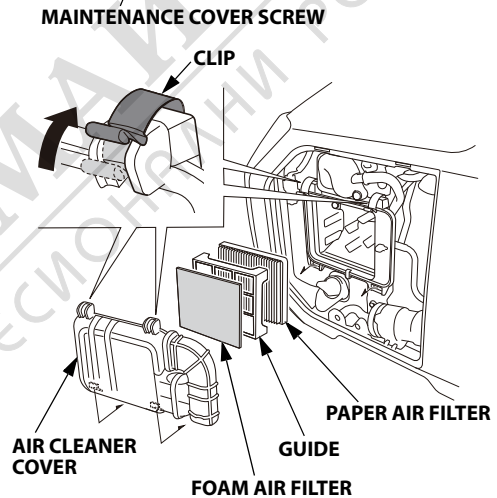
AIR FILTER CHECK

1. Loosen the maintenance cover screw and remove the maintenance cover.



2. Unsnap the air cleaner cover clips; remove the air cleaner cover.

3. Remove the foam air filter from the air cleaner cover.



4. Check the foam air filter to be sure they are clean and in good condition. If the foam air filter are dirty, clean them as described on page 57. Replace the foam air filter if they are damaged.

5. Reinstall the foam air filter in the air cleaner cover.

6. Remove the paper filter from the guide.

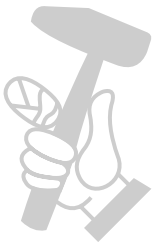
7. If the paper air filter is dirty, replace it with a new one. Do not clean the paper air filter.

BEFORE OPERATION

8. Reinstall the paper air filter, the guide and the air cleaner cover.
9. Reinstall the maintenance cover, and tighten the maintenance cover screw securely.

NOTICE

Operating the engine without the air filters or with a damaged air filter will allow dirt to enter the engine, causing rapid engine wear. This type of damage is not covered by the Warranty.



МАГАЗИН
БАШ МАЙСТОРА
ПРОФЕСИОНАЛНИ РЕШЕНИЯ

SAFE OPERATING PRECAUTIONS

Before operating the generator, review chapters "GENERATOR SAFETY" (see page 6).

For your safety, do not operate the generator in an enclosed, or partly enclosed area such as a garage (even if the door is open) or near structures or vehicles. Your generator's exhaust contains poisonous carbon monoxide gas that can collect rapidly in such areas, structures, vehicles, trailers, or boats.

- Do not operate the generator when it is in a storage, cargo, or security enclosure, including any RV generator bay.
- Always completely remove the generator from the vehicle, trailer, boat or other equipment or structure during operation.
- The generator must remain stationary while in operation.

WARNING

Exhaust contains poisonous carbon monoxide gas that can build up to dangerous levels in enclosed or partly enclosed areas.

Breathing carbon monoxide can cause unconsciousness or death.

Never run this product's engine in an enclosed, or even partly enclosed area.



OPERATION

STARTING THE ENGINE

To prevent a possible fire, keep the generator at least 1 meter (3 feet) away from building or trailer walls, vehicles, trailers, boats, and other equipment during operation. Do not place flammable objects close to the engine or exhaust.

NOTICE

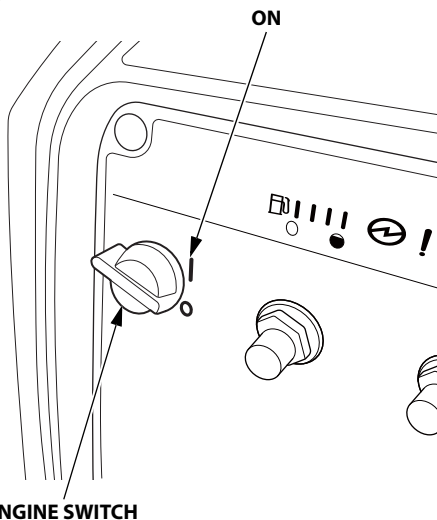
- *Operating this generator less than 1 meter (3 feet) from a building, obstruction, or when it is in an enclosure, a storage or security compartment/bay, can cause overheating and damage the generator.*
- *For proper cooling, allow at least 1 meter (3 feet) of empty space above and around the generator.*

Keep all cooling holes open and clear of debris, mud, water, etc. Cooling holes are located on the side panel, the control panel, and the bottom of the generator. If the cooling holes are blocked, the generator may overheat and damage the engine, inverter, or windings.

Refer to "SAFE OPERATING PRECAUTIONS" on page 39 and perform the "IS YOUR GENERATOR READY TO GO?" checks (see page 33).

Refer to "AC OPERATION" (see page 44) for connecting loads to the generator.

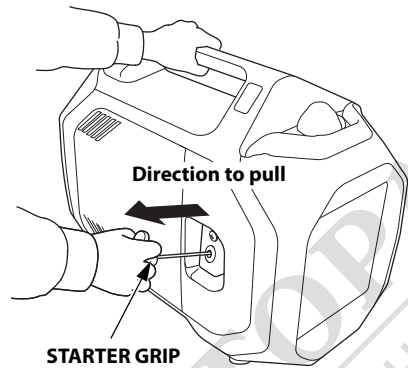
1. Make sure that all appliances are disconnected from the AC receptacle.
2. Turn the engine switch to the ON position.



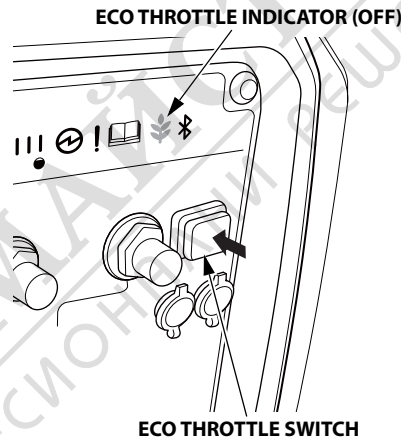
3. Pull the starter grip lightly until you feel resistance; then pull briskly in the direction of the arrow as shown.

NOTICE

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



4. If you don't wish to use the Eco Throttle system, push the Eco Throttle switch to Eco Throttle system OFF.

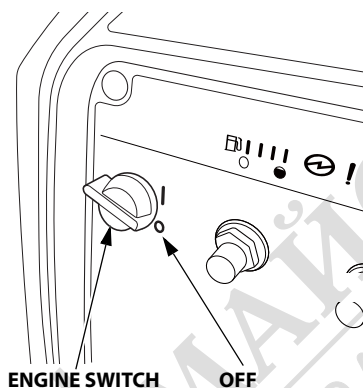


OPERATION

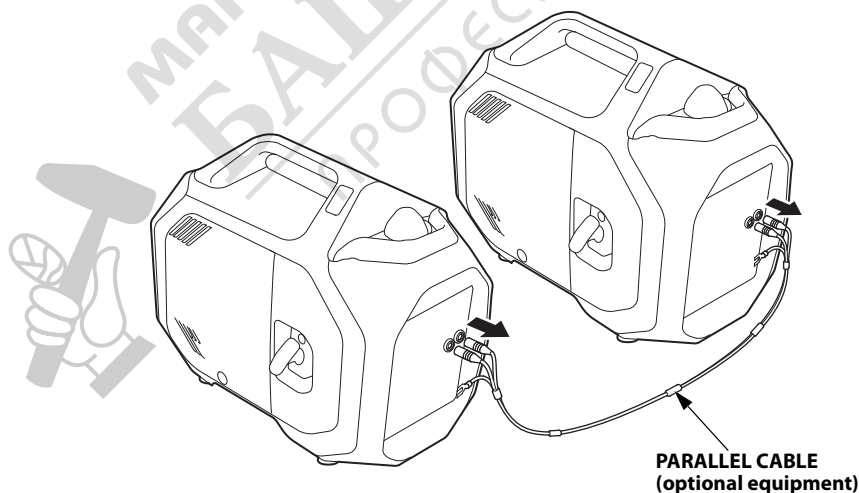
STOPPING THE ENGINE

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

1. Turn off or disconnect all appliances that are connected to the generator.
2. Turn the engine switch to the OFF position securely.



3. If two generators were connected for parallel operation, disconnect the parallel cable after stopping the engines if you do not wish to resume parallel operation.



If the generator will not be used for a long period of time, refer to page 64 for information on "DRAINING THE FUEL TANK".

STOPPING THE ENGINE with *Bluetooth*® ENABLED SMARTPHONE

The engine can be stopped via a *Bluetooth*® enabled smartphone using a *Bluetooth*® application.

Refer to the *Bluetooth*® application to check the connection, operation, and for help pairing a smartphone.



МАГАЗИН
БАШ МАЙСТОРА
ПРОФЕСИОНАЛНИ РЕШЕНИЯ

OPERATION

AC OPERATION

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 in the appliance or the rated load capacity of the generator has been exceeded.

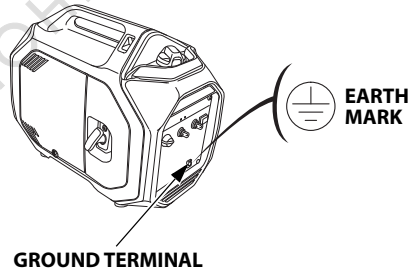
NOTICE

- *Substantial overloading that continuously lights the overload alarm indicator (red) may damage the generator. Marginal overloading that temporarily lights the overload alarm indicator (red) may shorten the service life of the generator.*
- *Be sure that all appliances are in good working order before connecting them to the generator. Electrical equipment (including lines and plug connections) should not be defective. If an appliance begins to operate abnormally, becomes sluggish, or stops suddenly, turn off the generator engine switch immediately. Then disconnect the appliance, and examine it for signs of malfunction.*

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

Be sure to ground the generator when the connected appliance is grounded.

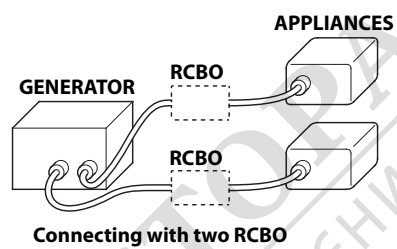
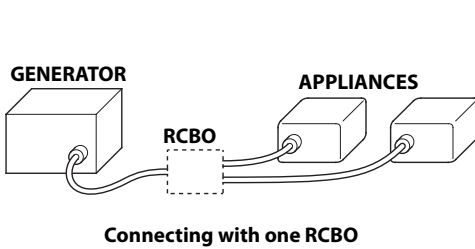
To ground the terminal of the generator, use a copper wire with same or larger diameter than the cord of the connected appliance.



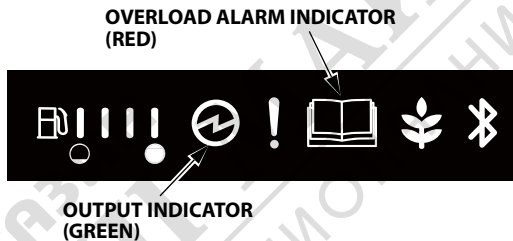
Use extension cord set with ground conductor when connecting an appliance with ground conductor.

To identify the Ground pin in the plug, see Receptacle page 76.

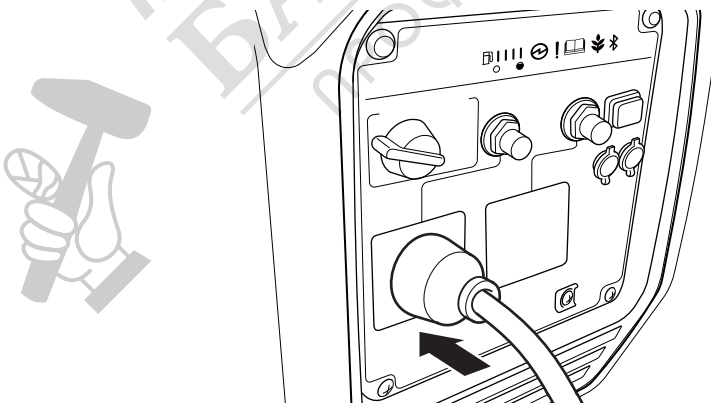
Connect a RCBO (Residual current circuit breaker with overload protection) of 30 mA ground fault detection and cut-off of less than 0.4 seconds at more than 30 A of output current, if you are using two or more appliance. Follow the instructions provided by each RCBO manufacturer before use.



1. Start the engine (see page 40) and make sure the output indicator (green) comes ON.



2. Plug in the appliance.



OPERATION

3. Turn on the appliance.

If the generator is overloaded (see page 46), or if there is a short circuit in a connected appliance, the overload alarm indicator (red) will go ON. The overload alarm indicator (red) will stay ON, and after about 10 seconds when an overload or about 5 seconds in case of a short circuit, current to the connected appliance(s) will shut off, and the output indicator (green) will go OFF. Stop the engine and investigate the problem.

Determine if the cause is a short circuit in a connected appliance or an overload. Correct the problem and restart the generator.

AC Applications

Before connecting an appliance or power cord to the generator:

- Make sure that it is in good working order. A faulty appliance or power cord 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 the rated load capacity of the generator has been exceeded.

Most appliance motors require more than their rated wattage for startup. Make sure the electrical rating of the tool or appliance does not exceed the maximum power rating of the generator.

Maximum power is:

3.2 kVA

For continuous operation, do not exceed the rated power.

Rated power is:

2.6 kVA

In either case, 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.

NOTICE

Substantial overloading that continuously lights the overload alarm indicator (red) may damage the generator. Marginal overloading that temporarily lights the overload alarm indicator (red) may shorten the service life of the generator.

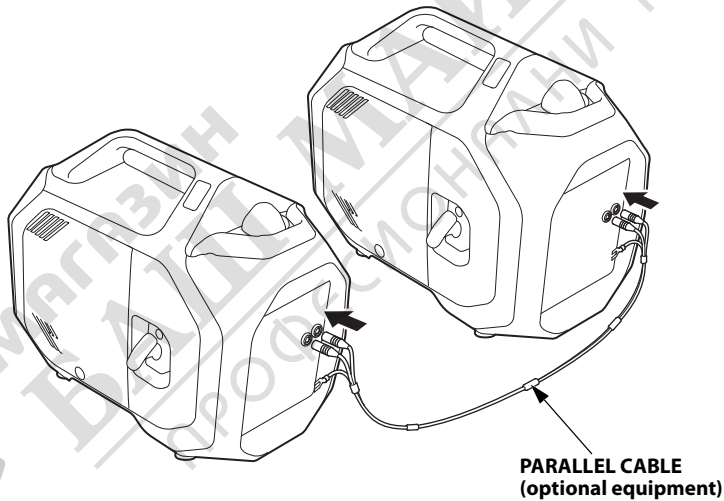
AC PARALLEL OPERATION

Before connecting an appliance to either generator, make sure that the appliance is in good working order and that its electrical rating does not exceed that of the receptacle.

Most motorized appliances require more than their electrical rating for startup. When an electric motor is started, the overload alarm indicator (red) may come ON. This is normal if the overload alarm indicator (red) goes OFF within 4 seconds. If the Oil Alert/Check indicator (red) blink continuously, consult an authorized Honda servicing dealer.

During parallel operation, the Eco Throttle switch should be in the same position on both generators.

1. Connect the parallel cable between the two EU32i generators following the instructions supplied with the cable.



2. Start the engines (see page 40) and make sure the output indicator (green) on each generator comes ON (see page 44).

OPERATION

3. Plug in the appliance following the instruction provided with the parallel cable.
4. Turn on the appliance.

If the generators are overloaded (see page 49), or if there is a short circuit in a connected appliance, the overload alarm indicator (red) will go ON. The overload alarm indicator (red) will stay ON, and after about 10 seconds when an overload or about 5 seconds in case of a short circuit, current to the connected appliance(s) will shut off, and the output indicator (green) will go OFF. Stop both engines and investigate the problem.

Determine if the cause is a short circuit in a connected appliance or an overload. Correct the problem and restart the generator.

AC Parallel Operation Applications

Follow the instructions included with the parallel cable.

Before connecting an appliance or power cord to the generator:

- Make sure that it is in good working order. A faulty appliance or power cord 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 the rated load capacity of the generator has been exceeded.
- Never connect different generator models and types.
- Use only a Honda approved parallel cable (optional equipment) when connecting two EU32i generators for parallel operation.
- Never connect or remove the parallel cable when the generator is running.
- For single generator operation, the parallel cable must be removed.

Most appliance motors require more than their rated wattage for startup. Make sure the electrical rating of the tool or appliance does not exceed the maximum power rating of the generator.

Maximum power in parallel operation is:

6.4 kVA

For continuous operation, do not exceed the rated power.

Rated power in parallel operation is:

5.2 kVA

In either case, 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.

NOTICE

Substantial overloading that continuously lights the overload alarm indicator (red) may damage the generator. Marginal overloading that temporarily lights the overload alarm indicator (red) may shorten the service life of the generator.



OPERATION

ECO THROTTLE SYSTEM

Each time you push the Eco Throttle Switch, the system turns on and off.

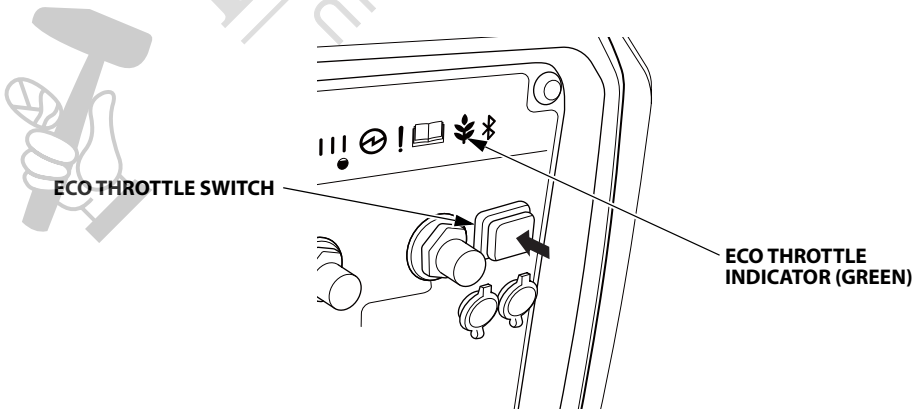
With the system in the ON, engine speed is automatically lowered when loads are reduced, turned off, or disconnected. When appliances are turned on or reconnected, the engine returns to the proper speed to power the electrical load. In the OFF, the Eco Throttle system does not operate.

Appliances with large start-up power demands may not allow the engine to reach normal operating rpm when they are connected to the generator. Turn the Eco Throttle system to the OFF and connect the appliance to the generator. If the engine still will not reach normal operating speed, check that the appliance does not exceed the rated load capacity of the generator.

If high electrical loads are connected simultaneously, turn the Eco Throttle system to the OFF to reduce voltage changes.

The Eco Throttle system is not effective for use with appliances or tools that require only momentary power. If the tool or appliance will be turned ON and OFF quickly, the Eco Throttle system should be in the OFF.

Eco Throttle system ON	Indicator lights on (green) <ul style="list-style-type: none">• Recommended to minimize fuel consumption and further reduce noise levels when less than a full load is applied to the generator.
Eco Throttle system OFF	Indicator lights off <ul style="list-style-type: none">• The Eco Throttle system does not operate.



STANDBY POWER

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 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 prior to making any power connections.

In some areas, generators are required by law to be registered with local utility companies. Check local regulations for proper registration and use procedures.

System Ground

This generator has a system ground that connects the generator frame components to ground terminals in the AC output receptacles. The system ground is not connected to the AC neutral wire.

OPERATION

Special Requirements

NOTICE

Do not lay the generator on its side when moving, storing, or operating it. Oil and fuel may leak and damage the engine or your property.

There may be applicable laws, 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 that must be observed.



МАГАЗИН
БАШ МАЙСТОРА
ПРОФЕСИОНАЛНИ РЕШЕНИЯ

SERVICING YOUR GENERATOR

THE IMPORTANCE OF MAINTENANCE

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

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 unusual conditions, such as sustained high-load or high-temperature operation, or use it in dusty conditions, consult your servicing dealer for recommendations applicable to your individual needs and use.

WARNING

Failure to properly maintain this generator, or failing to correct a problem before operation, could result in a significant malfunction.

Some malfunctions can cause serious injuries or death.

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

Remember that an authorized Honda 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, Honda Genuine parts or their equivalents for repair and replacement.

SERVICING YOUR GENERATOR

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

Improper maintenance can cause an unsafe condition.

Failure to properly follow maintenance instructions and precautions can cause serious injuries or death.

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

Safety Precautions

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

- 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**
Operate outside away from open windows or doors with engine exhaust directed away from occupied structures.
 - **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.
- To reduce the possibility of fire or explosion, be careful when working around gasoline. Use only a non-flammable solvent, not gasoline, to clean parts. Keep cigarettes, sparks, and flames away from all fuel-related parts.

SERVICING YOUR GENERATOR

MAINTENANCE SCHEDULE

Failure to follow this maintenance schedule could result in non-warrantable failures.

REGULAR SERVICE PERIOD (3) Perform at every indicated month or operating hour interval, whichever comes first.		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							
Engine oil	Check level	o					36
	Change (first time from purchase)		o				56
	Change				o		56
Air cleaner (element)	Check	o					37
	Clean			o (1)			57
	Replace					o	37
Spark plug	Check-adjust				o		58
	Replace					o	58
Spark arrester	Clean				o		60
Timing belt	Check		After every 250 hrs. (2)				—
Valve clearance	Check-adjust					o (2)	—
Combustion chamber	Clean		After every 500 hrs. (2)				—
Fuel tank	Clean		Every 2 years or 1,000 hrs. (2)				—
Fuel pump filter	Replace		Every 2 years or 1,000 hrs. (2)				—
Fuel tube	Check		Every 2 years (Replace if necessary) (2)				—
Canister	Check		Every 2 years (Replace if necessary) (2)				—
Purge tube	Check		Every 2 years (Replace if necessary) (2)				—
Charge tube	Check		Every 2 years (Replace if necessary) (2)				—
Air tube	Check		Every 2 years (Replace if necessary) (2)				—
Drain tube	Check		Every 2 years (Replace if necessary) (2)				—

- (1) Service more frequently when used in dusty areas.
- (2) These items should be serviced by your servicing dealer, unless you have the proper tools and are mechanically proficient. Refer to the Honda shop manual for service procedures.
- (3) For commercial use, log hours of operation to determine proper maintenance intervals.

This generator is equipped with a catalytic converter. If the engine is not properly maintained, the catalyst in the muffler may lose effectiveness.

SERVICING YOUR GENERATOR

ENGINE OIL CHANGE

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

1. Turn the engine switch to the OFF position (see page 42) to reduce the possibility of fuel leakage.
2. Loosen the maintenance cover screw and remove the maintenance cover (see page 36).
3. Place a suitable container next to the engine to catch the used oil.
4. Remove the oil filler cap, and drain the oil into the container by tipping the engine toward the oil filler neck.

NOTICE

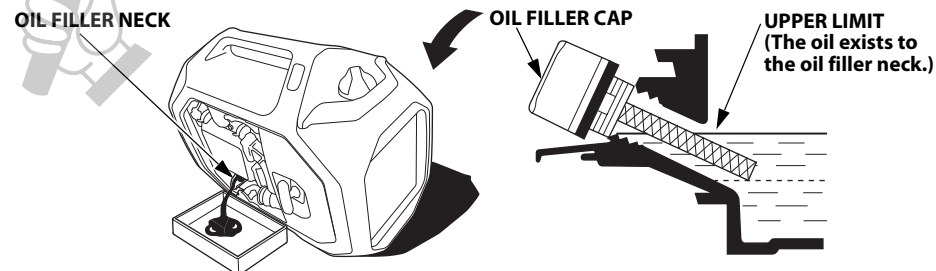
Improper disposal of engine oil can be harmful to the environment. If you change your own oil, please dispose of the used oil properly. Do not discard it in a trash bin, dump it on the ground, or pour it down the drain.

5. With the generator in a level position, fill with the recommended oil to the upper limit. Do not overfill.
 - "Upper limit" means the oil exists to the oil filler neck. Refer to "ENGINE OIL RECOMMENDATIONS" in page 17.

Maximum oil capacity: 0.46 L (0.48 US qt, 0.40 Imp qt)

6. Reinstall the oil filler cap securely.
7. Reinstall the maintenance cover and tighten the maintenance cover screw securely.

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

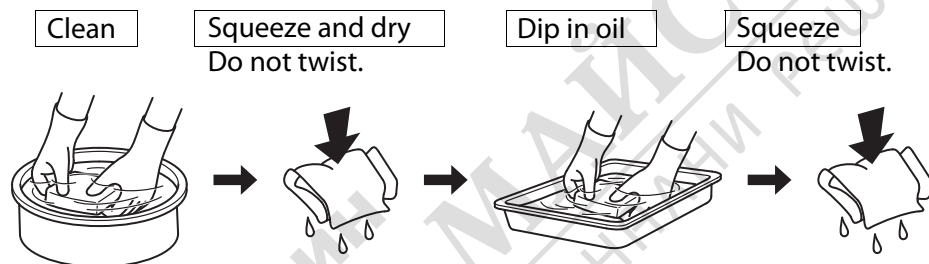


AIR CLEANER SERVICE

Foam Air Filter Cleaning

A dirty foam air filter will restrict air flow to the fuel system, reducing engine performance. If you operate the generator in very dusty areas, clean the foam air filter more frequently than specified in the Maintenance Schedule.

1. Clean the foam air filter in warm soapy water, rinse, and allow to dry thoroughly, or clean in nonflammable solvent and allow to dry.
2. Dip the foam air filter in clean engine oil, and then squeeze out all excess oil. The engine will smoke when started if too much oil is left in the filter.



3. Wipe dirt from inside of the air cleaner cover using a moist rag. Be careful to prevent dirt from entering the air duct that leads to the fuel system.



SERVICING YOUR GENERATOR

SPARK PLUG SERVICE

Recommended spark plug: CR6HSB (NGK)

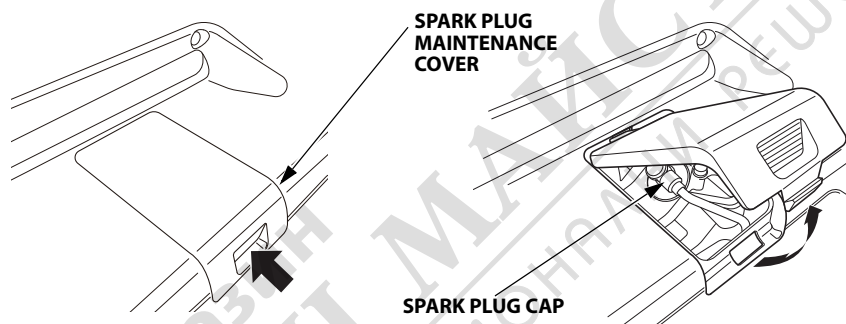
To ensure proper engine operation, the spark plug must be properly gapped and free of deposits.

NOTICE

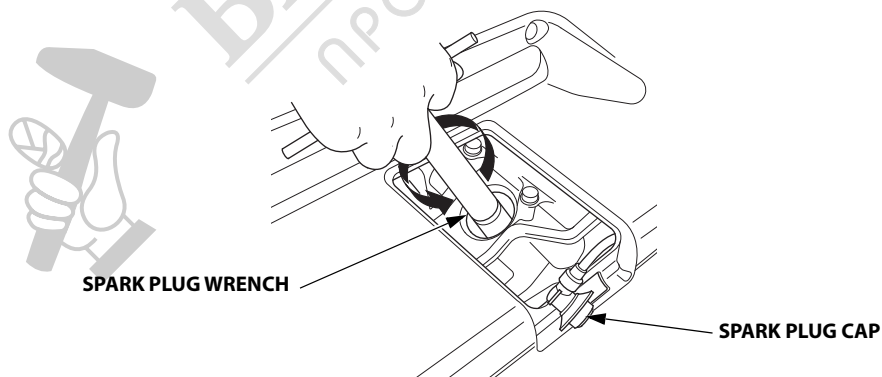
An incorrect spark plug can cause engine damage.

If the engine is hot, allow it to cool before servicing the spark plug.

1. Remove the spark plug maintenance cover.



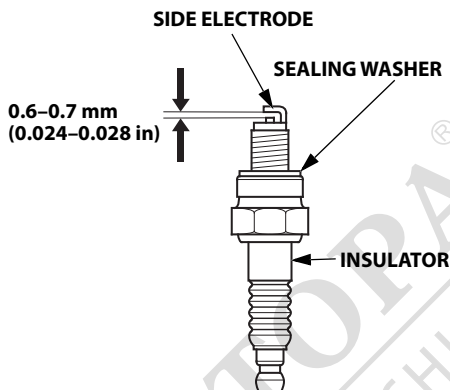
2. Disconnect the spark plug cap, and remove any dirt from around the spark plug area.
3. Remove the spark plug with a spark plug wrench.



SERVICING YOUR GENERATOR

4. Inspect the spark plug. Replace it if the electrodes are worn or fouled, or if the insulator is cracked or chipped. Clean the spark plug with a wire brush if it is to be reused.

5. Measure the spark plug electrode gap with a wire-type feeler gauge. Correct the gap, if necessary, by carefully bending the side electrode.



Spark plug gap:

0.6–0.7 mm (0.024–0.028 in)

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

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

If reinstalling a used spark plug, tighten 1/8–1/4 turn after the spark plug is seated.

If installing a new spark plug, tighten 1/2 turn after the spark plug is seated.

Torque: 12 N·m (1.2 kgf·m, 9 lbf·ft)

NOTICE

A loose spark plug can overheat and damage the engine.

Overtightening the spark plug can damage the threads in the cylinder head.

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

9. Reinstall the spark plug maintenance cover.

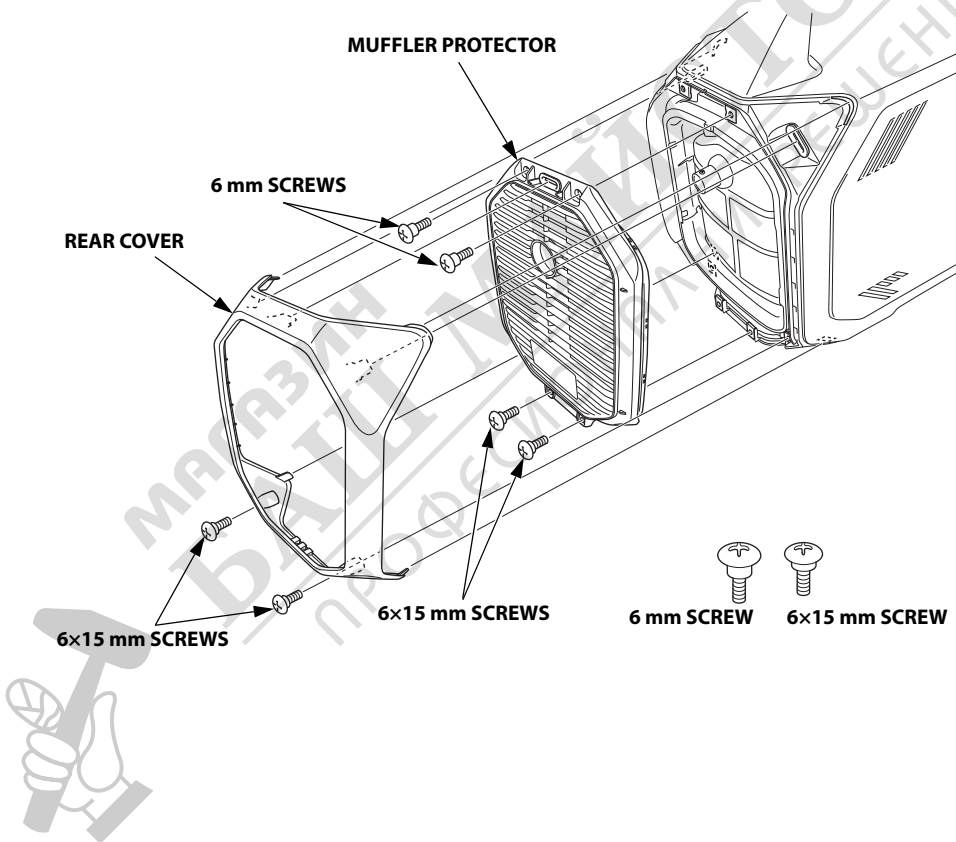
SERVICING YOUR GENERATOR

SPARK ARRESTER SERVICE

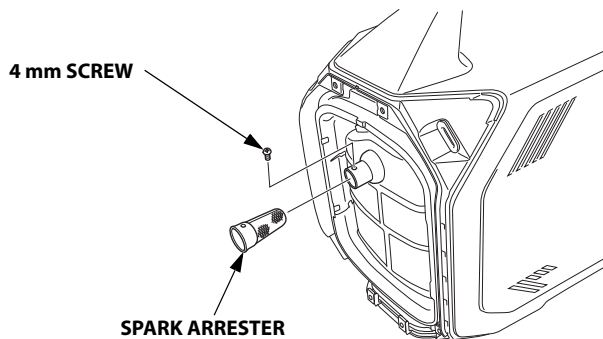
If the engine has been running, the muffler will be very hot. Allow the muffler to cool before servicing the spark arrester.

Clean the spark arrester as follows:

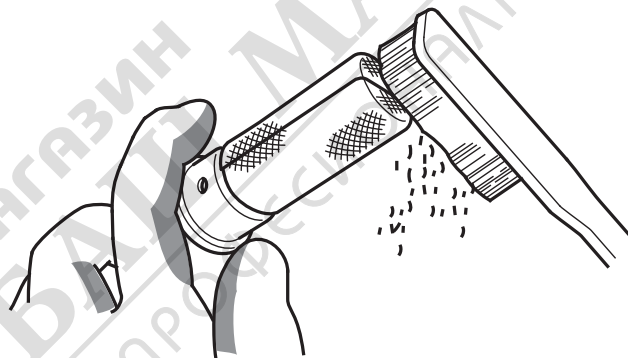
1. Remove the two 6×15 mm screws, and the rear cover.
Remove the two 6 mm screws, two 6×15 mm screws and the muffler protector.



2. Remove the 4 mm screw, and the spark arrester.



3. Use a brush to remove carbon deposits from the spark arrester screen. Be careful to avoid damaging the screen. The spark arrester must be free of breaks and tears. Replace the spark arrester if it is damaged.



4. Install the spark arrester, the muffler protector, and the rear cover in the reverse order of removal.

STORAGE

STORAGE PREPARATION

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

Cleaning

Wipe the generator with a moist cloth. After the generator has dried, touch up any damaged paint, and coat other areas that may rust with a light film of oil.

Fuel

NOTICE

Depending on the region where you operate your equipment, fuel formulations may deteriorate and oxidize rapidly. Fuel deterioration and oxidation can occur in as little as 30 days and may cause damage to the fuel system. Please check with your servicing dealer for local storage recommendations.

Gasoline will oxidize and deteriorate in storage. Old gasoline will cause hard starting, and it leaves gum deposits that clog the fuel system. If the gasoline in your generator deteriorates during storage, you may need to have the fuel system components serviced or replaced.

The length of time that gasoline can be left in your fuel tank without causing functional problems will vary with such factors as gasoline blend, your storage temperatures, and whether the fuel tank is partly or completely filled. The air in a partly filled fuel tank promotes fuel deterioration. Very warm storage temperatures accelerate fuel deterioration. Fuel deterioration problems may occur within a few months, or even less if the gasoline was not fresh when you filled the fuel tank.



Service according to the table below:

STORAGE TIME	RECOMMENDED SERVICE PROCEDURE TO PREVENT HARD STARTING
Less than 1 month	No preparation required.
1 month to 1 year	Drain the fuel tank (see page 64).
1 year or more	Drain the fuel tank (see page 64). Remove the spark plug. Put a teaspoon of engine oil into the cylinder. Turn the engine slowly with the pull rope to distribute the oil. Reinstall the spark plug. Change the engine oil (see page 56).



STORAGE

DRAINING THE FUEL TANK

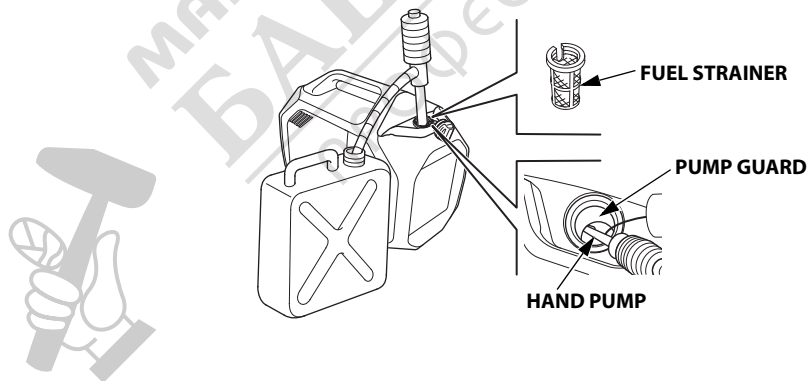
⚠ WARNING

Gasoline is highly flammable and explosive.

You can be burned or seriously injured when handling fuel.

- Stop the engine and let it cool before handling fuel.
- Keep heat, sparks, and flame away.
- Handle fuel only outdoors.
- Keep away from your vehicle.
- Wipe up spills immediately.

Unscrew the fuel filler cap (see page 19), remove the fuel strainer, and empty the fuel tank into an approved gasoline container. We recommend using a commercially available gasoline hand pump to empty the tank. Do not use an electric pump. Siphon the gasoline by inserting the tip of the hand pump into the side of the pump guard, as shown in the figure below. Reinstall the fuel strainer and the fuel filler cap.



Engine Oil

Change the engine oil (see page 56).

Engine Cylinder

1. Remove the spark plug (see page 58).
2. Pour a teaspoon (5 cm³) of clean engine oil into the cylinder.
3. Pull the starter rope several times to distribute the oil in the cylinder.
4. Reinstall the spark plug (see page 58).
5. Slowly pull the starter grip until resistance is felt. At this point, the piston is coming up on its compression stroke and both the intake and exhaust valves are closed. Storing the engine in this position will help to protect it from internal corrosion. Return the starter grip gently.



STORAGE

STORAGE PRECAUTIONS

If your generator will be stored with gasoline in the fuel tank, 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.

Place the generator on a level surface. Tilting or laying it on its side can cause fuel or oil leakage.

With the engine and exhaust system cool, cover the generator to keep out dust. A hot engine and exhaust system can ignite or melt some materials.

Do not use a plastic sheet as a dust cover. A nonporous cover will trap moisture around the generator, promoting rust and corrosion.

REMOVAL FROM STORAGE

Check your generator as described in the "BEFORE OPERATION" chapter of this manual (see page 33).

If the fuel was drained during storage preparation, fill the fuel tank with fresh gasoline. If you keep a container of gasoline for refueling, be sure that 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 may smoke briefly at startup. This is normal.

TRANSPORTING

⚠ CAUTION

An engine that has been running will remain very hot for a period of time.

A hot engine and exhaust system can burn you and ignite some material.

If the generator has been used, allow it to cool for at least 15 minutes before loading the generator on the transport vehicle.

Drain the fuel from the fuel tank when transporting.

To prevent spillage when transporting, the generator should be secured upright in its normal operating position.

NOTICE

Do not lay the generator on its side when moving, storing, or operating it. Oil or fuel may leak and damage the engine or your property.

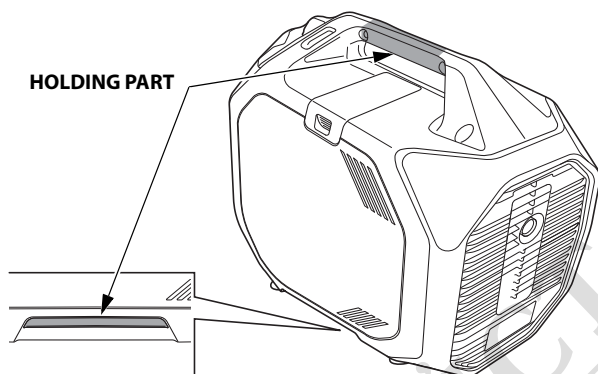
Do not operate the generator while it is being transported or while it is mounted to any type of vehicle, trailer, or boat.

Take care not to drop or strike the generator when transporting. Do not place heavy objects on the generator.



TRANSPORTING

To transport the generator, hold the holding part (shaded areas in the figure below).



Avoid a place exposed to direct sunlight when putting the generator on a vehicle. If the generator is left in an enclosed vehicle for many hours, high temperature inside the vehicle could cause fuel to vaporize resulting in a possible explosion.



TAKING CARE OF UNEXPECTED PROBLEMS

ENGINE SPEED IS UNSTABLE OR WILL NOT START

Possible Cause	Correction
Engine switch is in the OFF position.	Turn engine switch to the ON position (see page 40).
Out of fuel.	Refuel (see page 18).
Bad fuel; generator stored without treating or draining gasoline, or refueled with bad gasoline.	Drain fuel tank (see page 64). Refuel with fresh gasoline (see page 18).
Low engine oil level caused Oil Alert to stop engine.	Turn the engine switch to the OFF position. Add engine oil. Then turn the engine switch to the ON position and restart the engine.
Spark plug faulty, fouled, or improperly gapped.	Gap or replace spark plug (see page 58).
Spark plug wet with fuel (flooded engine).	Dry and reinstall spark plug.
Fuel filter restricted, fuel system malfunction, fuel pump failure, ignition malfunction, valves stuck, etc.	Take the generator to your servicing dealer, or refer to the shop manual.



TAKING CARE OF UNEXPECTED PROBLEMS

ENGINE LACKS POWER

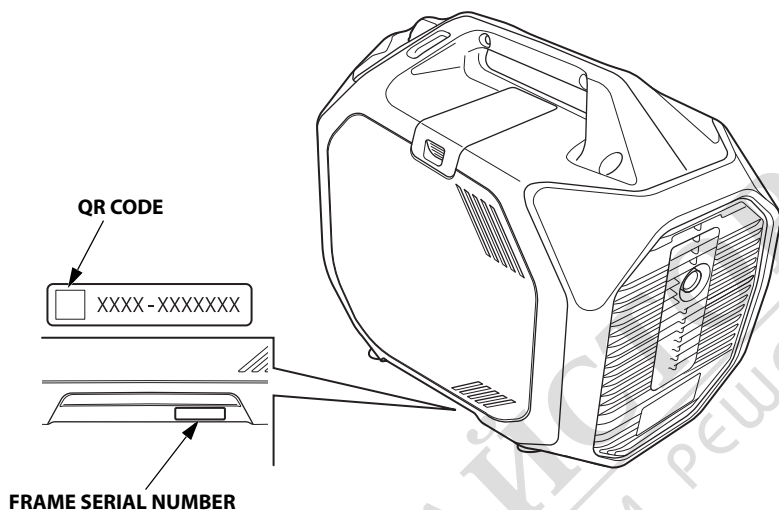
Possible Cause	Correction
Air filter restricted.	Clean or replace air filter (see page 57).
Bad fuel; generator stored without treating or draining gasoline, or refueled with bad gasoline.	Drain fuel tank (see page 64). Refuel with fresh gasoline (see page 18).
Fuel filter restricted, fuel system malfunction, fuel pump failure, ignition malfunction, valves stuck, etc.	Take the generator to your servicing dealer, or refer to the shop manual.

NO POWER AT THE AC RECEPTACLES

Possible Cause	Correction
Output indicator is OFF, and overload alarm indicator is ON.	Check AC load. Stop and restart the engine.
	Check the cooling air inlet. Stop and restart the engine.
Overload alarm indicator blink.	After removing the cause of the overload, power generation can be resumed by pressing and holding the Eco Throttle switch (for more than 3 seconds) (see page 24).
AC circuit protector tripped.	Check AC load and reset circuit protector (see page 25).
Faulty power tool or appliance.	Replace or repair power tool or appliance. Stop and restart the engine.
Faulty generator.	Take the generator to your servicing dealer, or refer to the shop manual.

TECHNICAL INFORMATION

SERIAL NUMBER LOCATION



Record the frame serial number and date purchased in the spaces below. You will need this information when ordering parts and when making technical or warranty inquiries.

Frame serial number: _____


Date purchased: _____



TECHNICAL INFORMATION

SPECIFICATIONS

Dimensions

Model	EU32i	
Type	F, G	IT 
Description code	EBKJ	
Length	571 mm (22.5 in)	596 mm (23.5 in)
Width	306 mm (12.0 in)	
Height	452 mm (17.8 in)	
Dry mass [weight]	26.5 kg (58.4 lbs)	

Engine


Model	GX130
Engine type	4-stroke, overhead camshaft, single cylinder
Displacement [Bore × Stroke]	130 cm ³ (7.93 cu-in) [56.0 × 53.0 mm (2.20 × 2.09 in)]
Compression ratio	10.0 : 1
Engine speed	4,800 – 5,500 min ⁻¹ (rpm) (with Eco Throttle system OFF)
Cooling system	Forced air
Ignition system	Full transistor
Engine oil capacity	0.46 L (0.48 US qt, 0.40 Imp qt)
Fuel tank capacity	4.6 L (1.21 US gal, 1.01 Imp gal)
Spark plug	CR6HSB (NGK)

[Carbon dioxide (CO₂) emissions*]

Please refer to "CO₂ Information List" on
www.honda-engines-eu.com/co2

* The CO₂ measurement results from testing over a fixed test cycle under laboratory conditions a(n) (parent) engine representative of the engine type (engine family) and shall not imply or express any guarantee of the performance of a particular engine.

Generator

Model		EU32i
Type		F, G, IT
AC output	Rated voltage	230 V 
	Rated frequency	50 Hz
	Rated current	11.3 A
	Rated output	2.6 kVA
	Maximum output	3.2 kVA

Communication

Bluetooth® version	5.0 (Bluetooth Low Energy)
Frequency band (s)	2,402 MHz - 2,480 MHz
Maximum radio-frequency power	<4 dBm



МАГАЗИН
БАШ МАКЕТОРА
ПРОФЕСИОНАЛНИ РЕШЕНИЯ

TECHNICAL INFORMATION

Noise

Model	EU32i
Type	F, G, IT
Sound pressure level at the workstation (2006/42/EC)	73 dB (A) (with Eco throttle ON)
Uncertainty	4 dB (A)
Measured sound power level (2000/14/EC, 2005/88/EC)	88 dB (A) (with Eco throttle ON)
Uncertainty	3 dB (A)
Guaranteed sound power level (2000/14/EC, 2005/88/EC)	91 dB (A) (with Eco throttle ON)

“the figures quoted are emission levels and are not necessarily safe working levels. Whilst there is a correlation between the emission and exposure levels, this cannot be used reliably to determine whether or not further precautions are required. Factors that influence the actual level of exposure of work-force include the characteristics of the work room, the other sources of noise, etc. i.e. the number of machines and other adjacent processes, and the length of time for which an operator is exposed to the noise. Also the permissible exposure level can vary from country. This information, however, will enable the user of the machine to make a better evaluation of the hazard and risk”.

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

Wiring Diagram

(See inside back cover)

Abbreviations

Symbol	Part name
ACCP	AC Circuit Protector
ACOR	AC Output Receptacle
BASE	Bank Angle Sensor
CPB	Control Panel Block
EcoSw	Eco Throttle Switch
ECG	ECU Ground
ECU	ECU
EgB	Engine Block
EgG	Engine Ground
ESw	Engine Switch
(F)	F Type
FrB	Frame Block
FP	Fuel Pump
GCU	Generator Control Unit
GeB	Generator Block
GT	Ground Terminal
IASE	IAT Sensor
IB	Inverter Block
IgC	Ignition Coil
In	Injector
IndU	Indicator Unit
(IT)	IT Type
IU	Inverter Unit
MASe	MAP Sensor
MW	Main Winding
NF	Noise Filter
OLSw	Oil Level Switch
O2Se	O2 Sensor
PC	Pulser Coil
POR	Parallel Operation Receptacle
SP	Spark Plug
SW	Sub Winding
TCM	Throttle Control Motor
TESe	TE Sensor

Wire color code

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

ECO THROTTLE SW

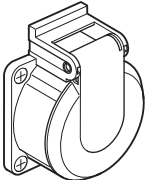
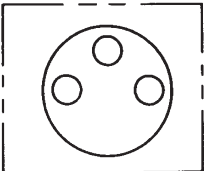
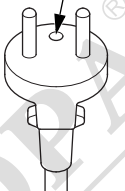
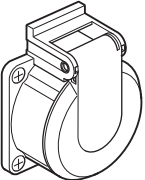
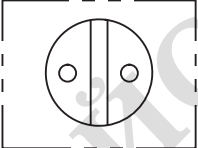
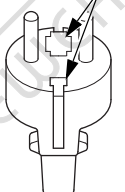
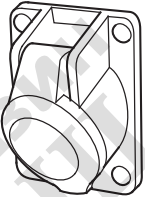
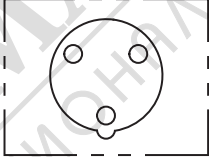
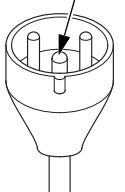
	COM	SW
PUSH		
FREE		

ENG STOP SW

	COM	SW
ON		
OFF		

TECHNICAL INFORMATION

Receptacle

Type	Shape		Plug
F			
G			
IT			



REFERENCE INFORMATION

"QR Code" is registered trademark of DENSO WAVE INCORPORATED.



The *Bluetooth* word mark and logos are registered trademarks owned by Bluetooth SIG, Inc., and any use of such marks by Honda Motor Co., Ltd., is under license. Other trademarks and trade names are those of their respective owners.

МАГАЗИН
БАШ МАЙСТОРА
ПРОФЕСІОНАЛНИ РЕШЕННЯ



HONDA

МАГАЗИН
БАШ МАЙСТОРА®
ПРОФЕСИОНАЛНИ РЕШЕНИЯ



EU32i
36Z45600
00X36-Z45-6000



00X36Z45 6000

EN1

© Honda Motor Co., Ltd. 2021
英 仏 独 伊

Printed in Japan

PANTONE
186C

Bk

背幅7mm