

OPERATION

SAFE OPERATING PRECAUTIONS

Before operating the generator for the first time, review chapters **GENERATOR SAFETY** (see page 6) and **BEFORE OPERATION** (see page 16).

For your safety, do not operate the generator in an enclosed area such as a garage. Your generator's exhaust contains poisonous carbon monoxide gas that can collect rapidly in an enclosed area and cause illness or death.

⚠ WARNING

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

Breathing carbon monoxide can cause unconsciousness or death.

Never run this product's engine in a closed, or even partly closed area where people may be present.

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.

Do not use cord lengths greater than 164 feet (50 meters), and do

not use multiple tools and appliances with built-in noise filters. Such use may activate the GFCI.

Take care that the appliance is in good working order. Faulty appliances or power cords can create a potential for electric shock. Take care the rated power of the tool or appliance does not exceed the rated power of the generator or the receptacle being used. Operate the generator at least 3 feet (1 meter) away from buildings and other equipment.

Do not operate the generator in an enclosed structure.

Do not place flammable objects close to the engine or locate the generator near flammable materials.

PERATION

Make sure the Eco Throttle switch is in the OFF position, or more time will be required for warm-up.

If you wish to use the

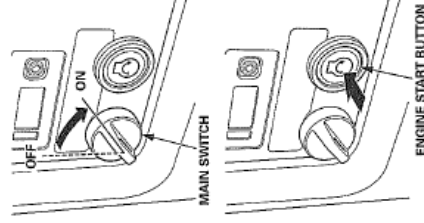
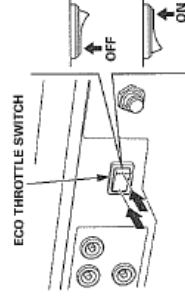
Eco Throttle system, turn the Eco Throttle switch to the ON position after the engine has warmed up for 2 or 3 minutes.

Turn the MAIN switch to the ON position.

Press and release the ENGINE START button.

The ENGINE START button functions for 5 seconds. As soon as the engine starts, the starter will stop automatically.

If the engine fails to start, wait at least 10 seconds before operating the starter again.



Do not leave the MAIN switch in the ON position when the generator is not operating or the battery will be drained. Turn the MAIN switch to the OFF position when not in use.

OPERATION

Frequency of Use

If your generator will be used on an infrequent or intermittent basis, (more than 4 weeks before next use), please refer to the Battery Service section of the **SERVICING YOUR GENERATOR** (see page 63) and the Fuel section of the **STORAGE** chapter (see page 68) for additional information regarding battery and fuel deterioration.

STARTING THE ENGINE

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

NOTICE

• Operating this generator less than 3 feet (1 meter) from a building or other obstruction can cause overheating and damage the generator.

• For proper cooling, allow at least 3 feet (1 meter) of empty space above and around the generator.

Keep all cooling holes open and clear of debris, mud, water, etc.

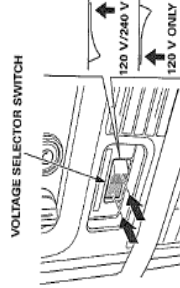
Cooling holes are located on the control panel and the bottom of the generator. If the cooling holes are blocked, the generator may overheat and damage the engine, inverter, or windings.

Refer to **SAFE OPERATING PRECAUTIONS** on page 28 and perform the **IS YOUR GENERATOR READY TO GO?** checks (see page 26).

Refer to **AC OPERATION** (see page 38) for connecting loads to the generator.

1. Make sure that all appliances are disconnected from the AC receptacles.

2. Set the Voltage Selector Switch to match the voltage requirements for the application.



OPERATION

• Use the recoil starter when the battery voltage is too low to turn the starter motor.

a. Turn the MAIN switch to the ON position.

b. Open the right maintenance cover by turning its latch counterclockwise.

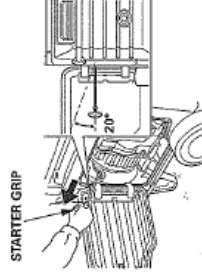
c. Pull the starter grip lightly until you feel resistance; then pull briskly in the direction of the arrow as shown.

NOTICE

• Do not exceed 20 degrees from horizontal when pulling the starter grip.

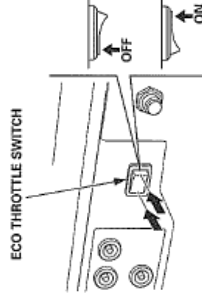
• Do not allow the starter grip to snap back against the engine. Return it gently to prevent damage to the starter.

• Do not let the starter rope rub against the generator body, or the rope will wear out prematurely.



d. Close the right maintenance cover by turning its latch clockwise.

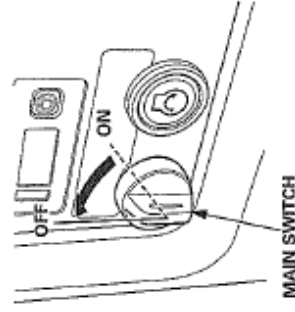
6. If you wish to use the Eco Throttle system, turn the Eco Throttle switch to the ON position after the engine has warmed up for 2 or 3 minutes.



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In an emergency, simply turn the MAIN switch to normal conditions, use the following

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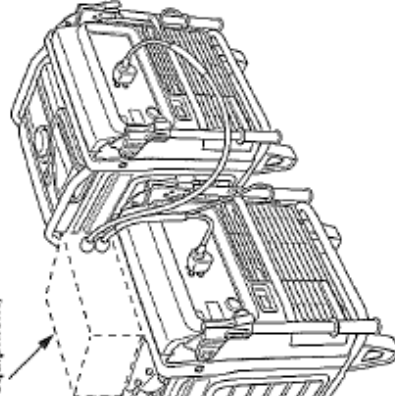


s from the generator AC receptacles.

are connected for parallel operation, disconnect the cable after stopping the engines if you do not

parallel operation.

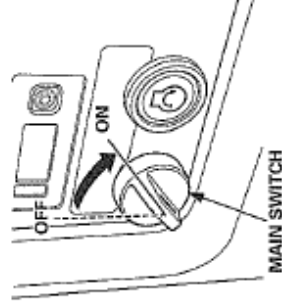
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equipment)



OPERATION

STARTING THE ENGINE with REMOTE CONTROL (Optional part)

1. Determine the voltage requirements and adjust the voltage selector switch, as needed.
2. Turn the MAIN switch of the generator to the ON position.



3. Turn the MAIN switch of the remote control to the ON position.

4. Press and release the ENGINE START button.

The ENGINE START button functions for 5 seconds. As soon as the engine starts, the starter will stop automatically.

The pilot lamp comes on when the engine starts.

If the engine fails to start, wait at least 10 seconds before operating the starter again.

