

## INSTALLATION INSTRUCTIONS

Accessory Parallel Cable Kit	Application	Publication No. PII54113-A
Part Number	Generators	
08E93-HPK123HI	EU1000i • EU2000i • EU2000i Companion EU3000i Handi™	Revised October 2009

### FOLLOW THESE INSTRUCTIONS CAREFULLY

Proper installation is essential for safe, reliable operation.

This parallel cable kit must **ONLY** be used between two EU1000i generators, two EU2000i generators, or between two EU3000i Handi generators.

**Never** connect a cable between two different generator models. The electric-start EU3000i is considered a different model.

#### NOTICE

*Connecting two generators that are not the same model using parallel cables may cause a low voltage output, which can damage tools and appliances powered by the generators.*

Before use, review the owner's manual to become familiar with basic generator operation, safety information, and any additional information on parallel generator operation. Keep these instructions with the owner's manual.

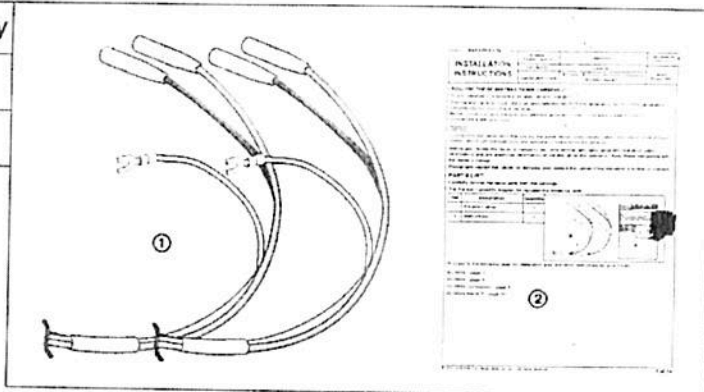
Periodically inspect the cables for damage, and replace the cables if the insulation is broken or cracked.

### PARTS LIST

Carefully remove the loose parts from the package.

The Parallel Cable/RV Adapter Kit includes the following parts:

Ref	Description	Quantity
①	Parallel Cables	1
②	Instructions	1



Proceed to the following page for installation and operation instructions for your model:

EU1000i - page 2

EU2000i - page 5

EU2000i Companion - page 8

EU3000i Handi™ - page 11

## EU1000i

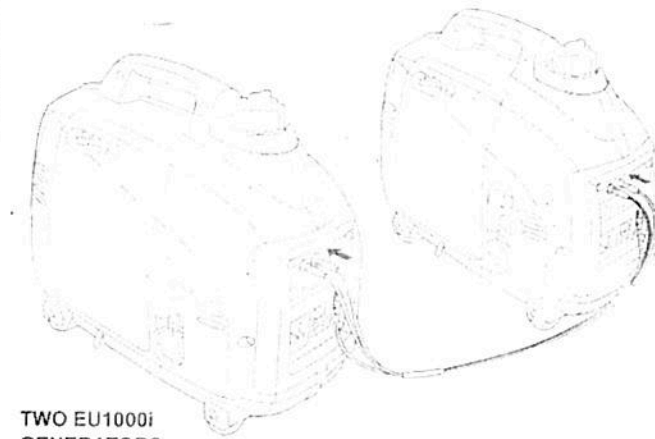
### INSTALLATION

1. Connect the black left cable ("L" marked on the connector) to the left-hand parallel outlet on each generator.
2. Connect the red right cable ("R" mark on the connector) to the right-hand parallel outlet on each generator.

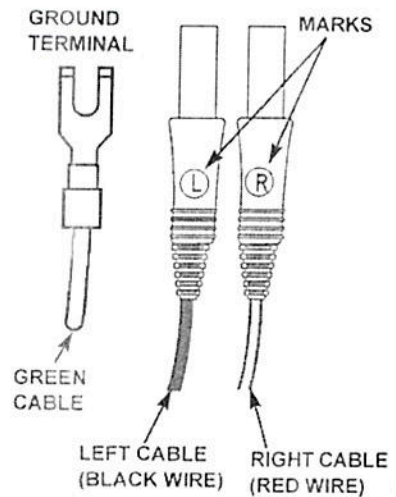
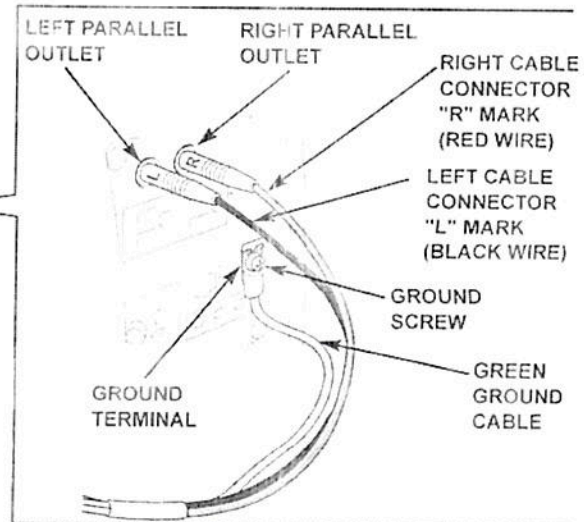
### **⚠ CAUTION**

Correct connection of the right and left cables is very important, especially when the generators are used with a transfer switch to supply power to a building. To avoid serious personal injury or damage to electrical devices, including the generators, do not try to power an electrical system in a building without using an approved transfer switch.

3. Attach the ground terminal to each generator and tighten the ground screws securely.



TWO EU1000i  
GENERATORS  
SHOWN



# HONDA

## PARALLEL CABLE 120 VAC OPERATION

**IMPORTANT:** If high electrical loads are connected, turn the eco-throttle switch to the OFF position to reduce voltage changes. With the generators running, make sure both green output indicator lights are ON. If not ON, turn the generators off, restart the generators, and make sure both green output lights are ON.

The following definitions are provided to help establish proper parallel cable operation.

**Rated power (continuous)** - The amount of power the generators can provide continuously.

Two EU1000i generators in parallel	Rated Power	
	Watts	Amps
	1800	15.0

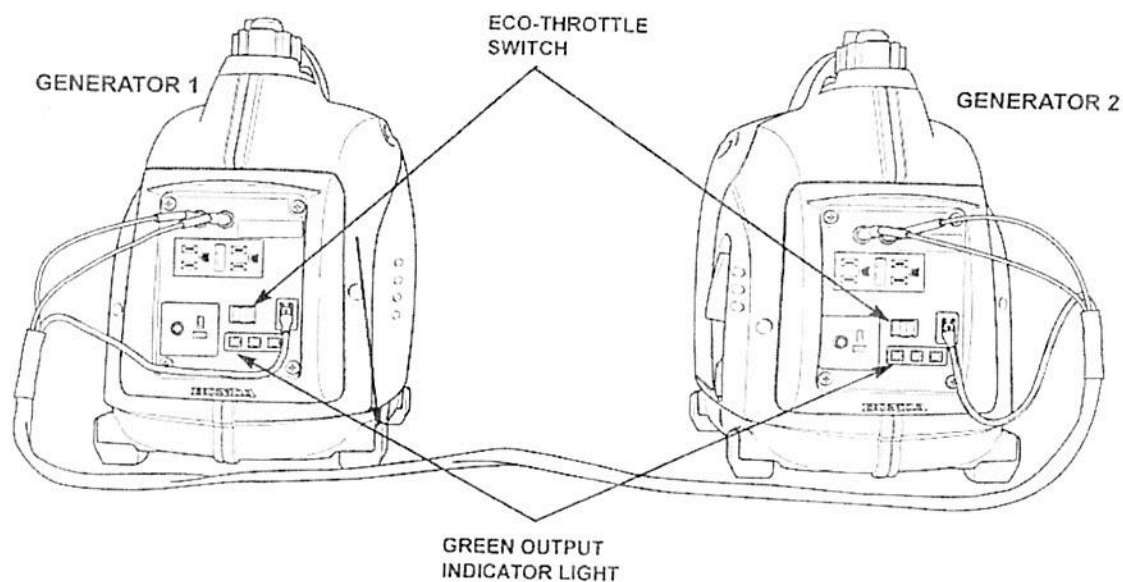
**Maximum power (intermittent)** - The amount of power the generators can provide intermittently for a limit of 30 minutes. After 30 minutes, reduce the power requirements to the rated power for continuous use.

Two EU1000i generators in parallel	Maximum Power	
	Watts	Amps
	2000	16.7

**Appliance power** - The total power requirements (Volts x Amps = Watts) of all appliances connected must be considered. Appliance and power tool manufacturers usually list rating information near the model or serial number.

### NOTICE

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

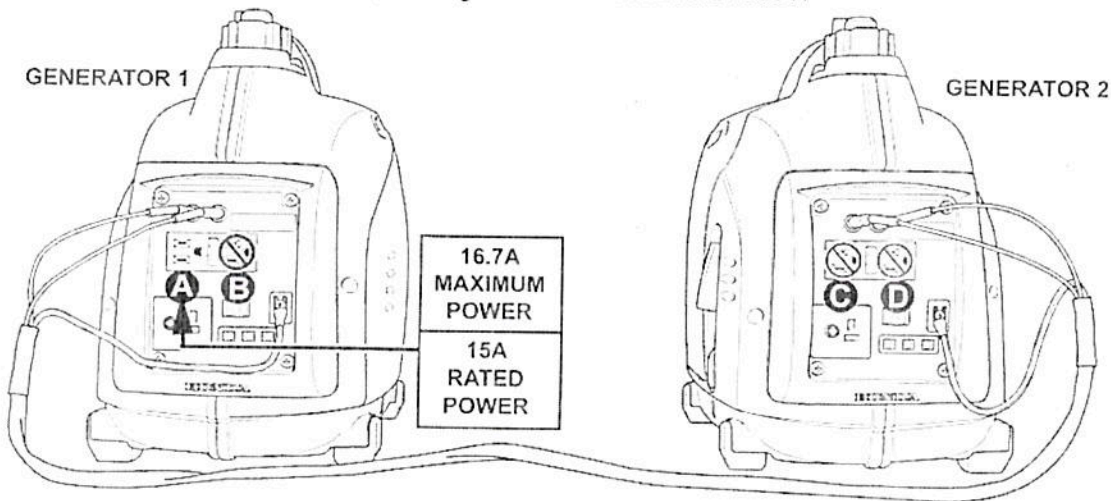




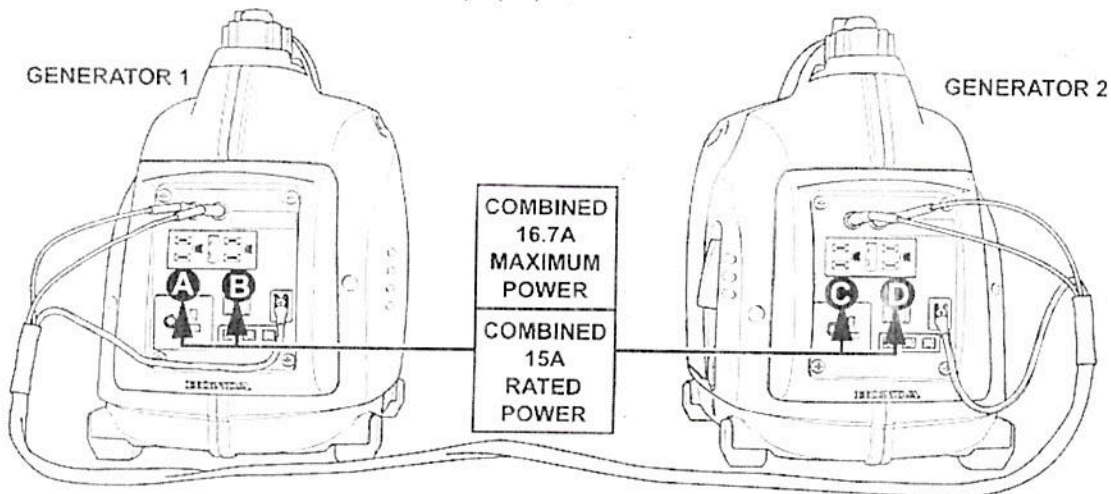
## Maximum Power and Rated Power Use

Any outlet can be used to provide intermittent maximum power or continuous rated power.

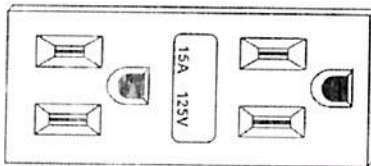
**Example 1 (obtaining rated load using one outlet):** Outlet A on generator 1 supplies 15.0 amps, then outlet B on generator 1 and outlets C, D on generator 2 cannot be used.



**Example 2 (obtaining rated load from more than one outlet):** Generators 1 and 2 supply a maximum of 15.0 amps from a combination of outlets A, B, C, D.



### DUPLEX (two outlets) RECEPTACLE RATING



### Output with parallel cables connected

		GENERATOR'S MAXIMUM POWER (intermittent load up to 30 minutes)		GENERATOR'S RATED POWER (continuous load)	
		Watts	Amps	Watts	Amps
Watts	Amps	2000	16.7	1800	15
1800	15				

# HONDA

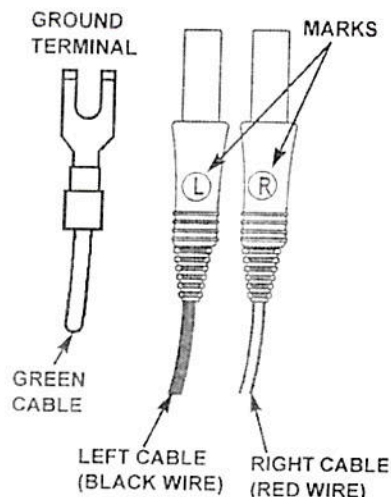
EU2000i

## INSTALLATION

1. Connect the black left cable ("L" marked on the connector) to the left-hand parallel outlet on each generator.
2. Connect the red right cable ("R" mark on the connector) to the right-hand parallel outlet on each generator.

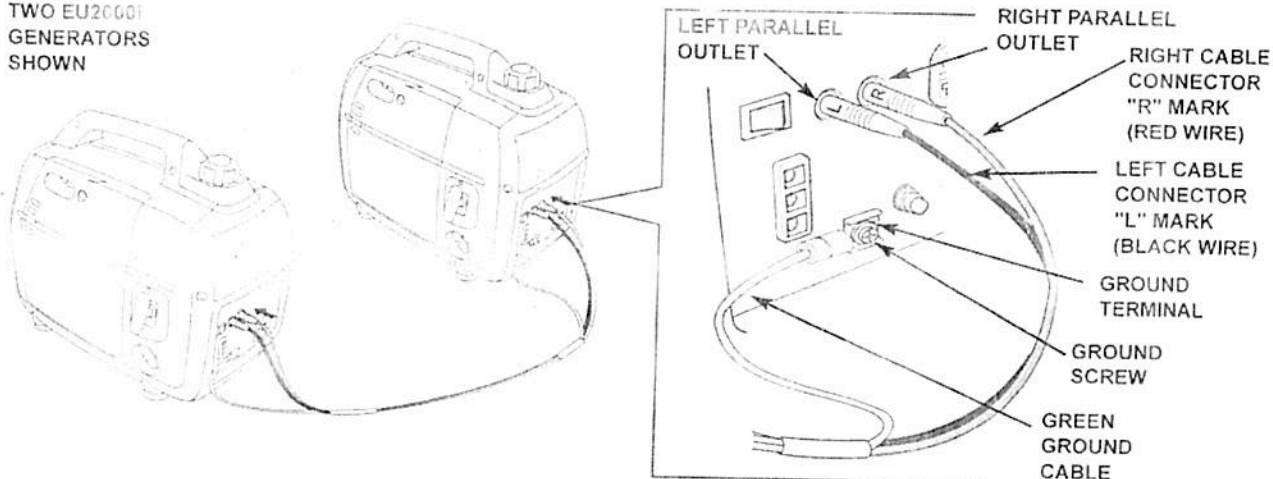
### CAUTION

Correct connection of the right and left cables is very important, especially when the generators are used with a transfer switch to supply power to a building. To avoid serious personal injury or damage to electrical devices, including the generators, do not try to power an electrical system in a building without using an approved transfer switch.



3. Attach the ground terminal to each generator and tighten the ground screws securely.

TWO EU2000i GENERATORS SHOWN



## PARALLEL CABLE 120 Vac OPERATION

**IMPORTANT:** If high electrical loads are connected, turn the eco-throttle switch to the OFF position to reduce voltage changes. With the generators running, make sure both green output indicator lights are ON. If not ON, turn the generators off, restart the generators, and make sure both green output lights are ON.

The following definitions are provided to help establish proper parallel cable operation.

**Rated power (continuous)** - The amount of power the generators can provide continuously.

Two EU2000i generators in parallel	Rated Power	
	Watts	Amps
	3200	26.7



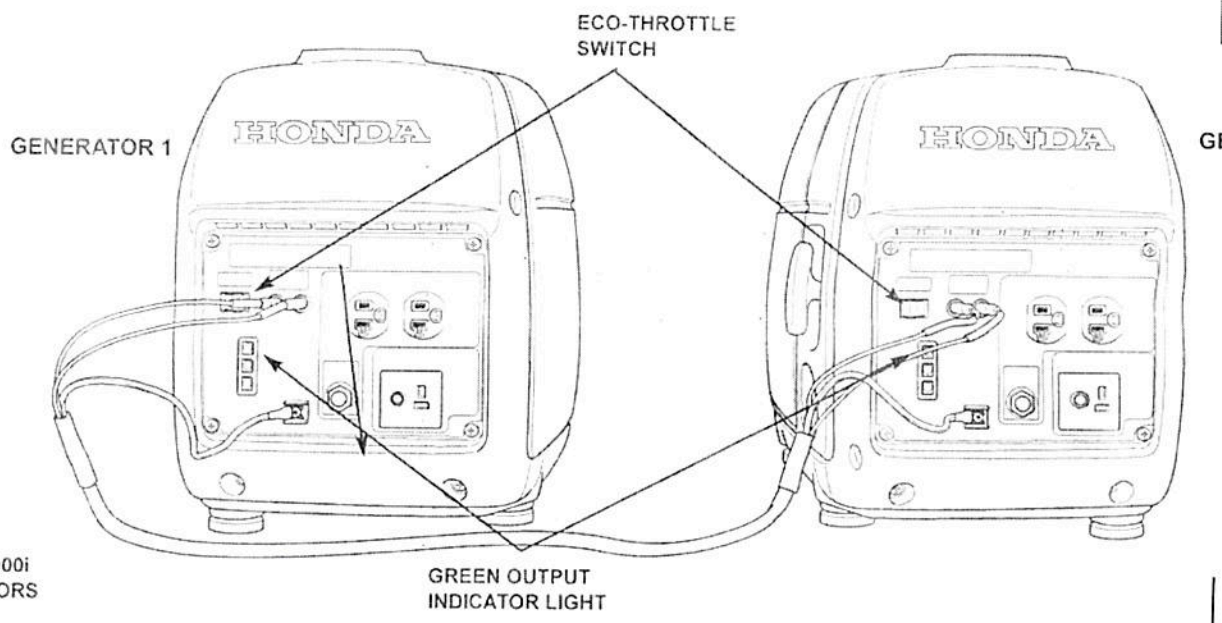
**Maximum power (intermittent)** - The amount of power the generators can provide intermittently for a limit of 30 minutes. After 30 minutes, reduce the power requirements to the rated power for continuous use.

Two EU2000i generators in parallel	Maximum Power	
	Watts	Amps
	4000	33.3

**Appliance power** - The total power requirements (Volts x Amps = Watts) of all appliances connected must be considered. Appliance and power tool manufacturers usually list rating information near the model or serial number.

#### NOTICE

Substantial overloading will shut off the AC output. Exceeding the time limit for maximum power operation or slightly overloading the generators may not switch the AC circuit protector OFF, but will shorten the service life of the generators.



TWO EU2000i  
GENERATORS  
SHOWN

When more than one receptacle is used, prevent overloading by dividing the load between the two generators.

#### Maximum Power and Rated Power Use

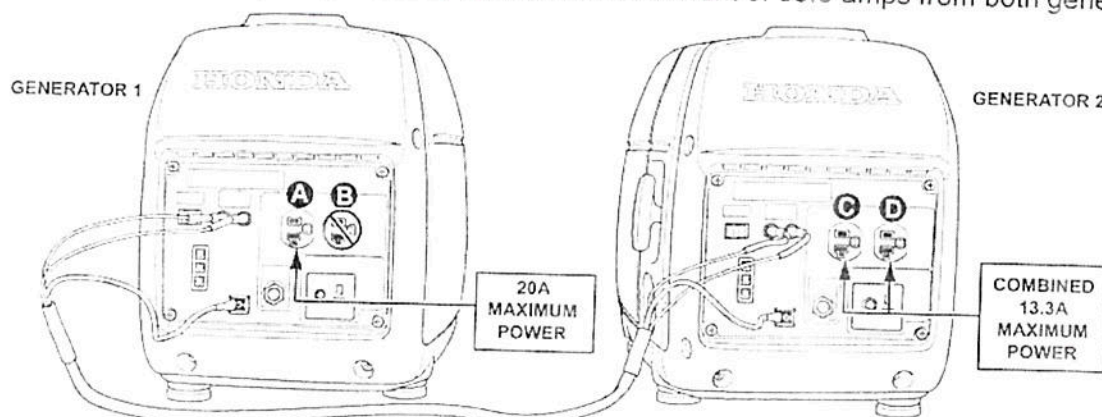
When two EU2000i generators are connected in parallel, you must use at least one outlet on each generator to get intermittent maximum power and/or continuous rated power. The maximum current available from any one outlet is 20 amps.

#### Balancing Load

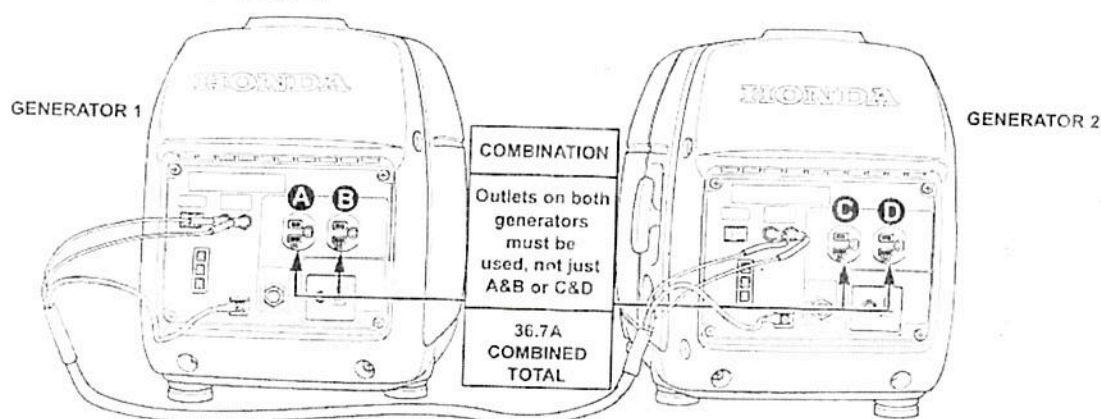
Load must be distributed between multiple outlets on both generators. Load examples are shown below.

# HONDA

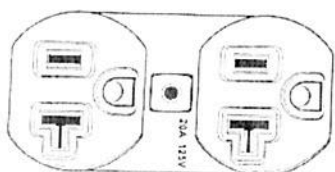
**Example 1 (maximum power):** Outlet A on Generator 1 supplies 20 amps and outlets C and D on generator 2 supply 13.3 amps to produce a total combined current of 33.3 amps from both generators.



**Example 2 (rated power):** Generators 1 and 2 supply continuous rated current of 26.7 amps from a combination of outlets A, B, C, D.



## DUPLEX (two outlets) RECEPTACLE RATING



## Output from MULTIPLE OUTLETS on BOTH GENERATORS with parallel cables connected

		MAXIMUM POWER (intermittent load up to 30 minutes)		RATED POWER (continuous load)	
Watts	Amps	Watts	Amps	Watts	Amps
2400	20	4000	33.3	3200	26.7

## EU2000i COMPANION

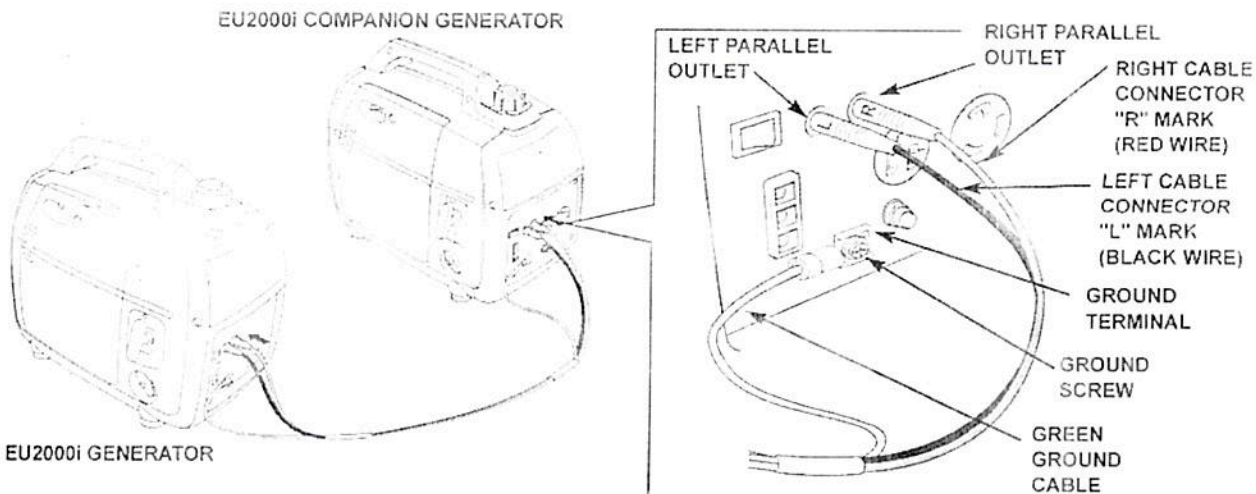
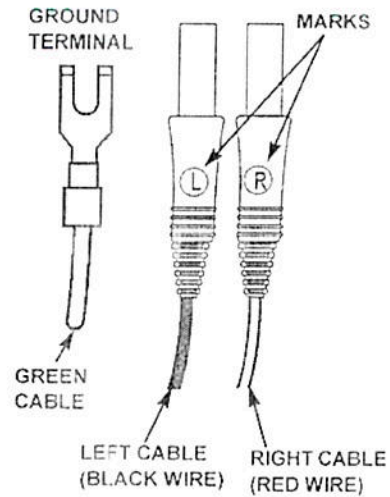
### INSTALLATION

1. Connect the black left cable ("L" marked on the connector) to the left-hand parallel outlet on each generator.
2. Connect the red right cable ("R" mark on the connector) to the right-hand parallel outlet on each generator.

### ⚠ CAUTION

Correct connection of the right and left cables is very important, especially when the generators are used with a transfer switch to supply power to a building. To avoid serious personal injury or damage to electrical devices, including the generators, do not try to power an electrical system in a building without using an approved transfer switch.

3. Attach the ground terminal to each generator and tighten the ground screws securely.





# HONDA

## PARALLEL CABLE 120 VAC OPERATION

**IMPORTANT:** If high electrical loads are connected, turn the eco-throttle switch to the OFF position to reduce voltage changes. With the generators running, make sure both green output indicator lights are ON. If not ON, turn the generators off, restart the generators, and make sure both green output lights are ON.

The following definitions are provided to help establish proper parallel cable operation.

**Rated power (continuous)** - The amount of power the generators can provide continuously.

EU2000i and EU2000i Companion generators in parallel	Rated Power	
	Watts	Amps
	3200	26.7

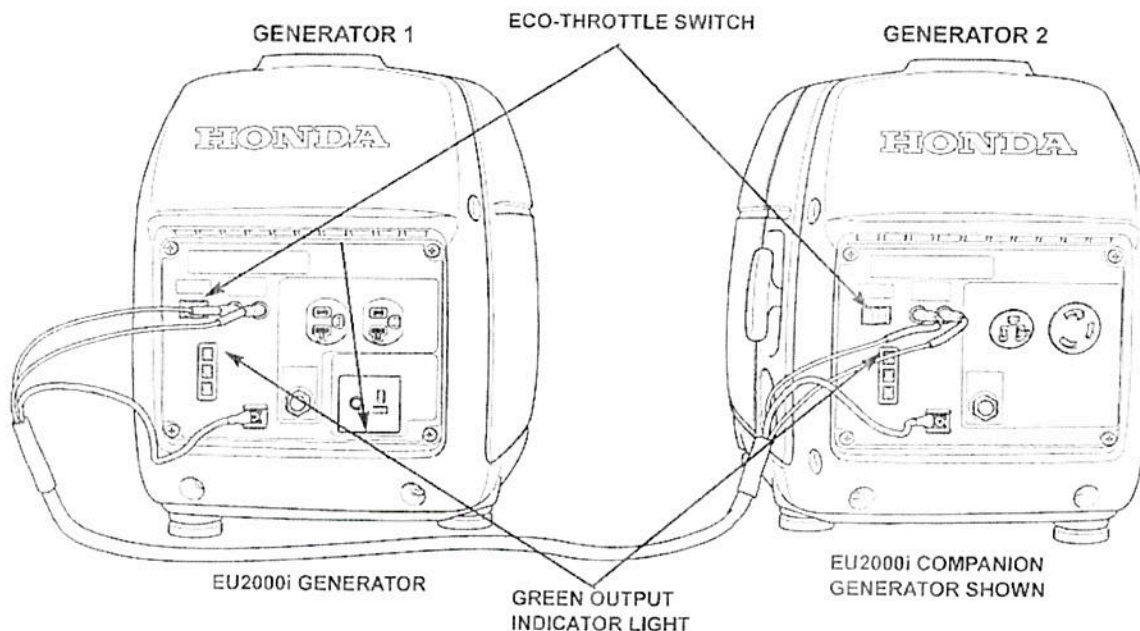
**Maximum power (intermittent)** - The amount of power the generators can provide intermittently for a limit of 30 minutes. After 30 minutes, reduce the power requirements to the rated power for continuous use.

EU2000i and EU2000i Companion generators in parallel	Maximum Power	
	Watts	Amps
	4000	33.3

**Appliance power** - The total power requirements (Volts x Amps = Watts) of all appliances connected must be considered. Appliance and power tool manufacturers usually list rating information near the model or serial number.

### NOTICE

Substantial overloading will shut off the AC output. Exceeding the time limit for maximum power operation or slightly overloading the generators may not switch the AC circuit protector OFF, but will shorten the service life of the generators.



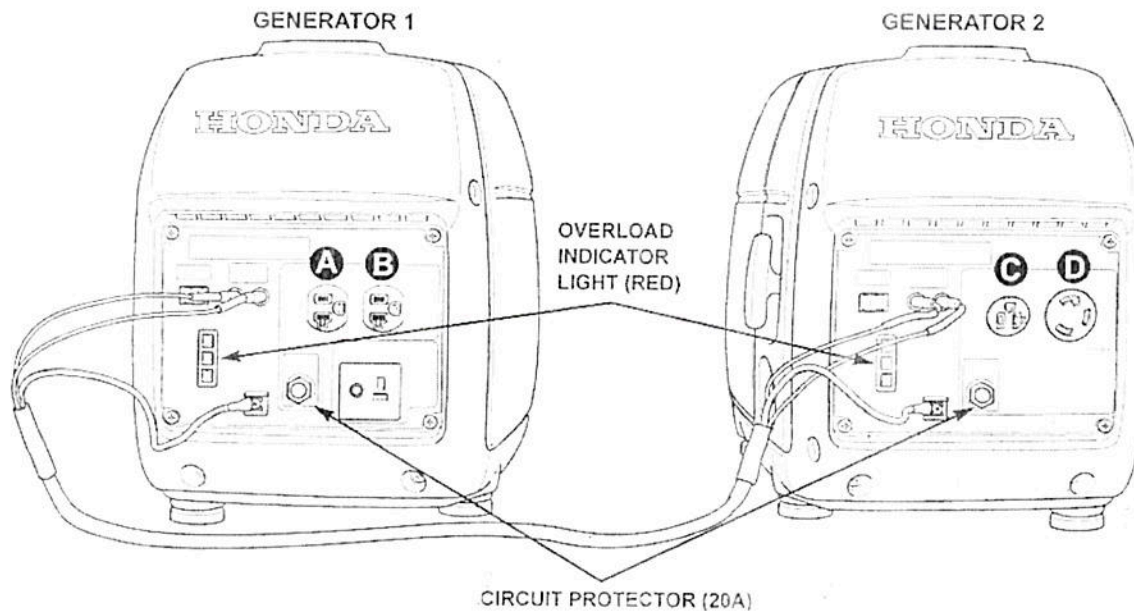
You can use more than one receptacle during operation, subject to the following limitations:

- The total combined load on all outlets cannot exceed 26.7 amps (rated) or 33.4 amps (maximum).

Exceeding the maximum load on all outlets combined will cause the overload indicator (red) to come on, and after about 4 seconds, the current to the connected loads will cut off.

- The combined loads on receptacles A plus B cannot exceed 20 amps or the circuit protector will trip.
- The load on receptacle C cannot exceed 20 amps or the circuit protector will trip.
- The load on receptacle D cannot exceed 26.7 amps (rated) or 33.4 amps (maximum).

Exceeding the maximum load on receptacle D will cause the overload indicator (red) to come on, and after about 4 seconds, the current to the connected load will cut off.



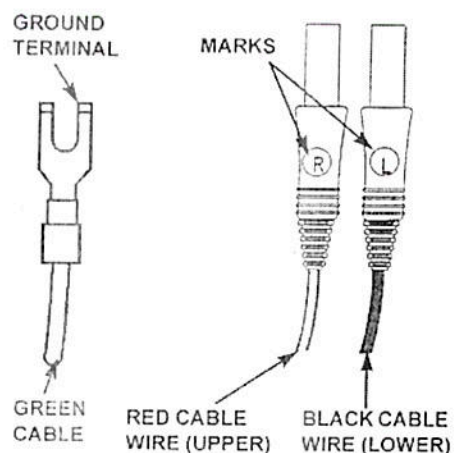
## EU3000I HANDI

### INSTALLATION

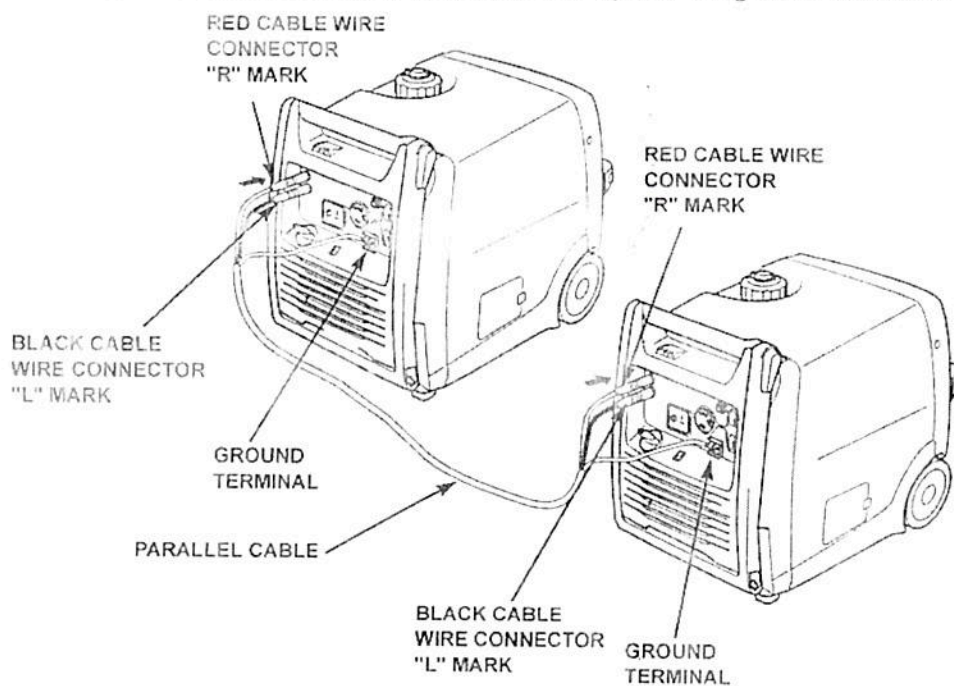
1. Make sure each generator engine switch is OFF.
2. Connect the red cable wire ("R" mark on the connector) to the upper parallel outlet on each generator.
3. Connect the black cable wire ("L" mark on the connector) to the lower parallel outlet on each generator.

### ⚠ CAUTION

Correct connection of the upper and lower cables is very important, especially when the generators are used with a transfer switch to supply power to a building. To avoid serious personal injury or damage to electrical devices, including the generators, do not try to power an electrical system in a building without using an approved transfer switch.



4. Attach the ground terminal to each generator and tighten the ground screws securely.





## PARALLEL CABLE 120 VAC OPERATION

**IMPORTANT:** If high electrical loads are connected, turn the Eco-Throttle™ switch to the OFF position to reduce voltage changes. With the generators running, make sure both green output indicator lights are ON. If not ON, turn the generators off, restart the generators, and make sure both green output lights are ON. The following definitions are provided to help establish proper parallel cable operation.

**Rated power (continuous)** - The amount of power the generator can provide continuously.

Two EU3000i Handi generators in parallel	Rated Power	
	Watts	Amps
	5200	43.3A

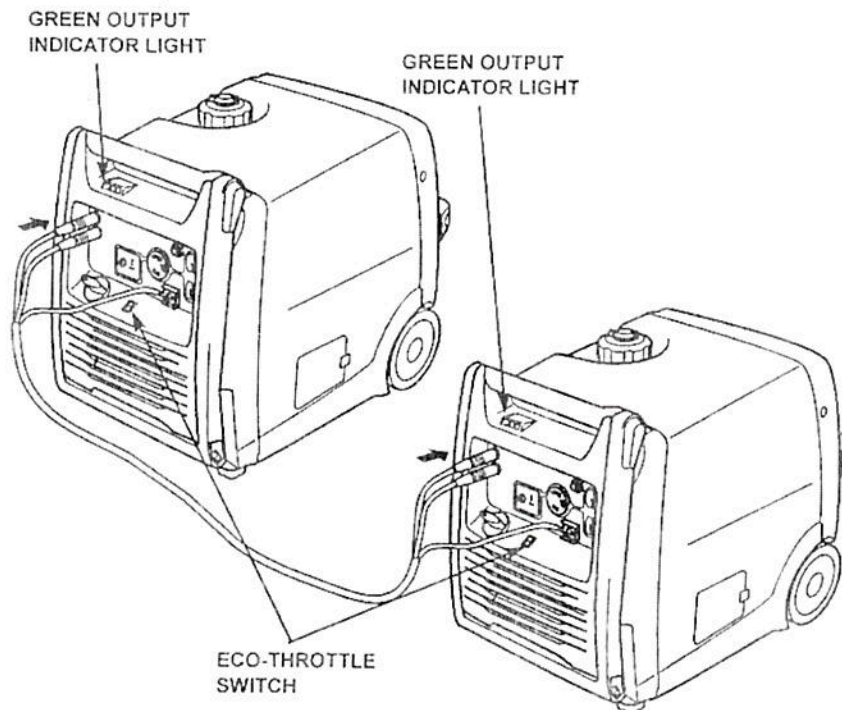
**Maximum power (intermittent)** - The amount of power the generator can provide intermittently for a limit of 30 minutes. After 30 minutes, reduce the power requirements to the rated power for continuous use.

Two EU3000i Handi generators in parallel	Maximum Power	
	Watts	Amps
	6000	50.0

**Appliance power** - The total power requirements (Volts x Amps = Watts) of all appliances connected must be considered. Appliance and power tool manufacturers usually list rating information near the model or serial number.

### NOTICE

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



# HONDA

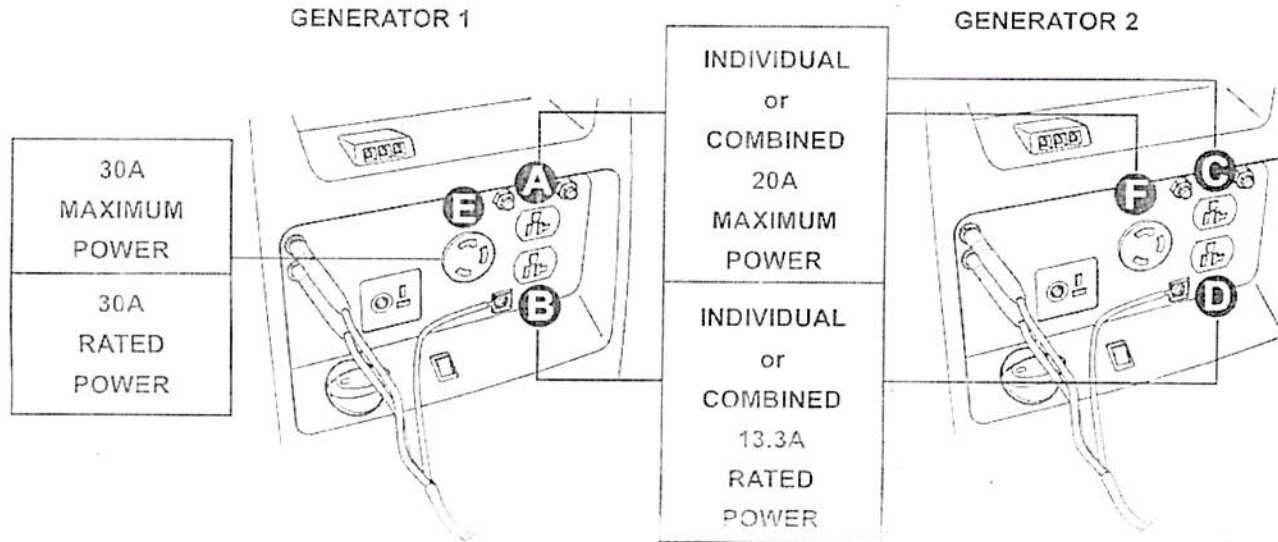
## Maximum Power and Rated Power Use

When two EU3000i Handi generators are connected in parallel, you must use a combination of generator outlets to get the full benefit of two generators operating in parallel.

## Balancing Load

Load must be distributed between multiple outlets. Load examples are shown below.

**Example 1 (obtaining rated load using outlets on both generators):** Outlet E on generator 1 supplies 30 amps. Any combination of outlets A and B on generator 1 plus outlets C, D and F on generator 2 can supply the remaining available 13.3 amps to produce a total combined current of 43.3 amps from both generators.



LOCKING PLUG RECEPTACLE RATING		DUPLEX (two outlets) RECEPTACLE RATING		Output from MULTIPLE OUTLETS with parallel cables connected			
				MAXIMUM POWER (intermittent load up to 30 minutes)		RATED POWER (continuous load)	
				Watts	Amps	Watts	Amps
Watts	Amps	Watts	Amps	6000	30	5200	43.3
3600	30	2400	20				

**Example 2 (obtaining rated load using outlets on only one generator):** Outlet E on generator 1 supplies 30 amps. Outlets A and B on generator 1 can supply the remaining available 13.3 amps from either individual outlet or from a combination of the two outlets to produce a total combined current of 43.3 amps from both generators. Outlets C, D, and F on generator 2 cannot be used.

