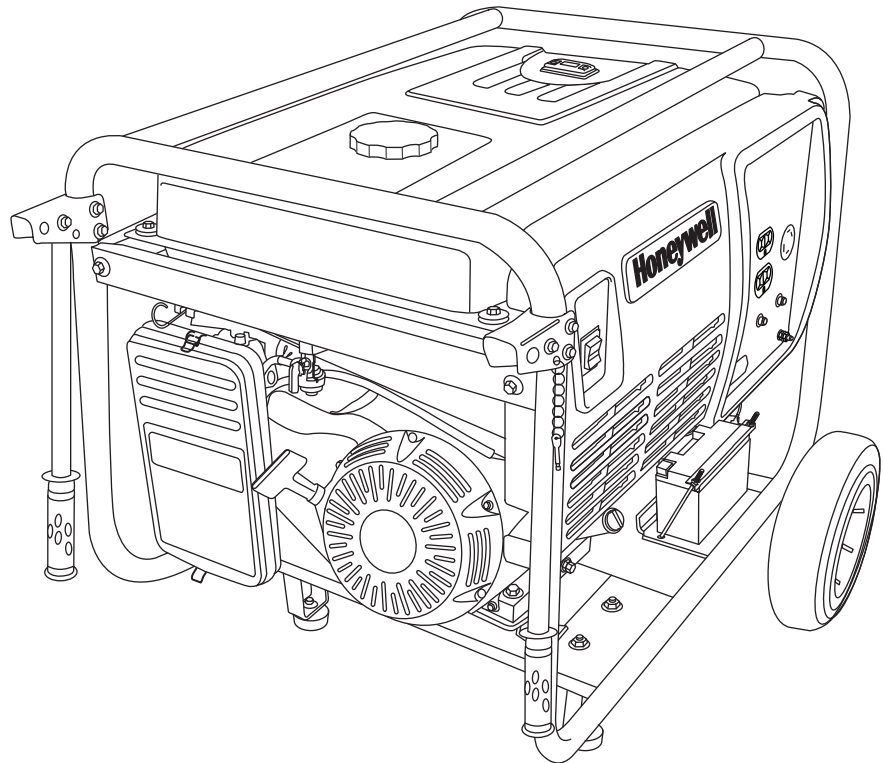


Honeywell

POWERED by **HONDA**™

Portable Electrical Generator Owner's Manual Manual del Propietario



HW7000EH

Read and Save These Instructions - Lea y Conserve Estas Instrucciones

For product inquiries or support, visit www.honeywellgenerators.com or call toll-free at 1-888-HWHELP1 (494-3571).

Si tiene preguntas acerca de los productos o requiere de asistencia, visite www.honeywellgenerators.com o llame gratis al 1-888-HWHELP1 (494-3571).

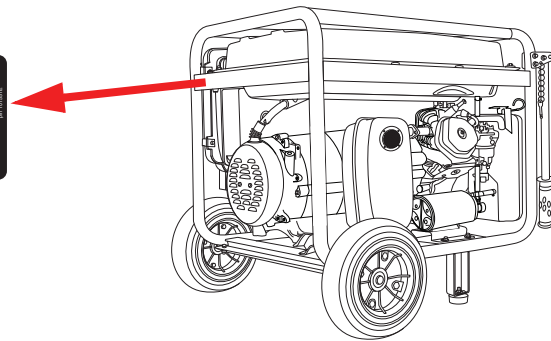
Congratulations on owning a Honeywell portable generator!

⚠ WARNING	
	This manual contains important instructions for operating this generator. For your safety and the safety of others, read this manual thoroughly before operating the generator. Failure to properly follow all instructions and precautions can cause you and others to be seriously hurt or killed.

Please use the spaces provided below to record important information about your generator. You may be asked to provide this information should you require product service or support.

Identification information specific to your generator (model number and serial number) can be found on the generator nameplate.

Northshore Power Systems, LLC Milwaukee, WI 53212 USA Honeywell	Power Output	7.0 kW	AC Voltage	120/240V
	Frequency	60Hz	Max. Ambient Temp.	40° C
	Phase	Single	Insulation Class	F
	Engine RPM	3600	Duty Cycle	Continuous
	Fuel	Gasoline	Model Number	HW7000EH
	Serial Number			



Date of Purchase:

Store/Dealer Purchased From:

Generator Model Number:

Generator Serial Number:

Northshore Power Systems, LLC
4425 N. Port Washington Road
Suite 105
Milwaukee, WI 53212-1082 USA
1-888-HWHELP1 (494-3571)

www.honeywellgenerators.com

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Honeywell International Inc. makes no representations or warranties with respect to this product.

Manufactured exclusively for Northshore Power Systems.

PRODUCT REGISTRATION



To register your product, please complete the information below and mail to the address at the end of the form or register online at **www.honeywellgenerators.com**. 18-digit serial number must be completed in order for warranty to be activated.

1 - PERSONAL INFORMATION

FIRST NAME _____ STREET ADDRESS _____

LAST NAME _____ CITY, STATE, ZIP _____

PHONE _____ COUNTRY _____

EMAIL _____

CHECK HERE TO RECEIVE ANNUAL MAINTENANCE REMINDERS AND SPECIAL OFFERS FROM HONEYWELL GENERATORS

CHECK HERE TO RECEIVE INFORMATION FROM OTHER COMPANIES VIA EMAIL, UNDERSTANDING YOUR EMAIL ADDRESS MAY BE SHARED OR COMBINED WITH INFORMATION FROM OTHER SOURCES

2 - PRODUCT INFORMATION

DATE OF PURCHASE: _____ OTHER BRANDS CONSIDERED WHEN SHOPPING FOR THIS PRODUCT:
 / /
 MM DD YYYY _____

*MODEL NUMBER: _____ PRIMARY USE FOR PRODUCT:
 TOOL POWER

*SERIAL NUMBER (18-digits): _____
 | | | | | | | | | | | | | | | | | |
 RECREATION POWER
 EMERGENCY POWER
*Found on nameplate of generator

PURCHASE LOCATION: PRIMARY LOCATION FOR PRODUCT USE:
 IN-STORE
 HOME
 ONLINE
 WORK

STORE NAME: _____

PURCHASE PRICE: \$ _____ .00

FEATURES INFLUENCING PRODUCT PURCHASE: TYPE OF WORK, IF PRODUCT BEING USED FOR PROFESSION:
 BRAND REPUTATION EASE OF USE
 PORTABILITY SIZE / WEIGHT
 POWER RATING STYLE/APPEARANCE
 PRICE WARRANTY

WHAT OTHER TYPE OF POWER EQUIPMENT ARE YOU INTERESTED IN PURCHASING IN THE FUTURE?

HOW DID YOU BECOME AWARE OF THIS PRODUCT?
 IN-STORE RADIO/TV
 INTERNET STORE CIRCULAR
 PRINT WORD OF MOUTH

WHO DECIDED TO PURCHASE THIS PRODUCT?

3 - DEMOGRAPHIC INFORMATION

GENDER:

- MALE
 FEMALE

MARITAL STATUS:

- MARRIED
 SINGLE

DATE OF BIRTH:

____/____/____
MM DD YYYY

INCLUDING YOURSELF, HOW MANY PEOPLE LIVE IN YOUR HOUSEHOLD:

NUMBER OF CHILDREN UNDER 18 LIVING IN YOUR HOUSEHOLD:

PRIMARY RESIDENCE:

- OWN
 RENT

EDUCATION:

- SOME HIGH SCHOOL
 HIGH SCHOOL DIPLOMA
 COLLEGE DEGREE
 GRADUATE DEGREE

HOUSEHOLD INCOME:

- | | |
|--|--|
| <input type="checkbox"/> LESS THAN \$15,000 | <input type="checkbox"/> \$100,000 - \$124,999 |
| <input type="checkbox"/> \$15,000 - \$29,999 | <input type="checkbox"/> \$125,000 - \$149,999 |
| <input type="checkbox"/> \$30,000 - \$49,999 | <input type="checkbox"/> \$150,000 - \$174,999 |
| <input type="checkbox"/> \$50,000 - \$79,999 | <input type="checkbox"/> \$175,000 - \$199,999 |
| <input type="checkbox"/> \$80,000 - \$99,999 | <input type="checkbox"/> \$200,000 OR OVER |

PRIMARY METHOD OF PURCHASING HOUSEHOLD ITEMS:

- IN-STORE
 ONLINE
 TV
 MAIL ORDER

TYPES OF CREDIT CARDS HELD BY HOUSEHOLD MEMBERS:

- VISA / MASTERCARD
 DISCOVER
 AMERICAN EXPRESS
 GAS / RETAIL
 OTHER
 NONE

HOUSEHOLD INTERESTS:

- HOME IMPROVEMENT
 AUTOMOTIVE WORK
 CAMPING
 OTHER _____

THANK YOU FOR REGISTERING YOUR PRODUCT. THE INFORMATION YOU PROVIDED MAY BE USED FOR MARKETING PURPOSES IN ORDER TO OFFER YOU VARIOUS PRODUCT INFORMATION AND OFFERS.

- CHECK HERE IF YOU DO NOT WISH TO BE CONTACTED ABOUT SPECIAL OFFERS.

PLEASE RETURN THIS FORM TO THE FOLLOWING ADDRESS:

Northshore Power Systems, LLC
4425 N Port Washington Road
Suite 105
Milwaukee, WI 53212-1082

PLEASE MAIL THIS FORM IN A SEALED ENVELOPE. DO NOT STAPLE.

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SAVE THESE INSTRUCTIONS

IMPORTANT SAFETY INSTRUCTIONS

⚠ WARNING



ANYONE using or servicing this generator must read, understand, and follow all safety and operation instructions provided in the product manual. Failure to closely follow these instructions can result in circumstances leading to death, serious injury, and property damage.

NOTE:

Since there are many variations in the circumstances surrounding the installation, operation, service, and maintenance of this generator, we cannot possibly anticipate or provide advice or safety messages to cover every situation.

Safety Messages

Signal Words

Safety messages are provided throughout this manual to help prevent personal injury and equipment damage. All safety messages are introduced by a signal word indicating the hazard level.



Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury to the operator or to bystanders.



Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury to the operator or to bystanders.









Indicates a potentially hazardous situation which, if not avoided, may result in moderate or minor injury to the operator or to bystanders.

NOTICE

Indicates a situation which, if not avoided, may result in damage to the generator components.

Hazard Symbols and Meanings

In addition to the signal words, the following symbols may be used to draw your attention to specific types of hazards.

 <i>Explosion</i>	 <i>Toxic fumes</i>	 <i>Fire</i>
 <i>Chemical burn</i>	 <i>Electrical shock</i>	 <i>Hot surface</i>

⚠ DANGER

Using a generator indoors CAN KILL YOU IN MINUTES. Generator exhaust contains carbon monoxide. This is a poison you cannot see or smell.



NEVER use inside a home or garage, EVEN IF doors and windows are open.



Only use OUTSIDE and far away from windows, doors, and vents.

Safety Messages

Electric Shock Hazards

WARNING



Generator produces powerful voltage that can cause death or great physical harm.

- NEVER touch bare wires or receptacles.
- NEVER use generator with electrical cords that are worn, frayed, bare, or otherwise damaged.
- NEVER operate generator in rain or snow, or when the generator is set on wet surface.
- Keep the generator out of reach of children, pets, and untrained people.

WARNING



When this generator is used to supply a building wiring system the:

- Generator must be installed by a qualified electrician and connected to transfer equipment as a separately derived system in accordance with the National Electrical Code, NFPA 70.
- Generator shall be connected through transfer equipment that switches all conductors other than the equipment grounding conductor.
- Frame of the generator shall be connected to an approved grounding electrode.

Fire and Burn Hazards

WARNING



Fuel and its vapors are extremely flammable and explosive under certain conditions.



- Refuel generator only outdoors, in a well-ventilated area.
- NEVER enclose the generator in any structure.
- Keep generator at least 6 feet (2 meters) away from buildings, other equipment, and combustible materials during operation.
- NEVER fill fuel tank while the engine is running. Turn generator OFF and allow to cool before filling with fuel.
- NEVER smoke or allow flames or sparks near the generator or where gasoline is stored.
- NEVER overfill the fuel tank (there should be no fuel in the filler neck). After refueling, make sure the fuel cap is closed properly and securely.
- Be careful not to spill fuel when refueling. Spilled fuel or fuel vapor may ignite. If any fuel is spilled, be sure the area is dry before starting the engine.
- Avoid repeated or prolonged contact with skin or breathing of vapor.

WARNING



The muffler becomes very hot during operation and remains hot for a while after stopping the engine.

- NEVER touch hot surfaces and avoid hot gases.
- Let engine cool before storing the generator indoors.

Medical and Life Support Uses

WARNING

- In case of emergency, call 911 immediately.
- NEVER use this product to power life support devices or life support appliances.
- NEVER use this product to power medical devices or medical appliances.
- Inform your electricity provider immediately if you or anyone in your household depends on electrical equipment to live.
- Inform your electrical provider immediately if a loss of power would cause you or anyone in your household to experience a medical emergency.

Generator Damage Hazards

NOTICE

Improper treatment or misuse of generator can cause permanent damage.

- NEVER modify generator in any way.
- NEVER tamper with governed speed. Generator supplies correct rated frequency and voltage when running at governed speed.
- Damage to generator caused by misuse or modification is not covered under warranty.
- Generators vibrate in normal use. During and after the use of the generator, inspect the generator as well as extension cords and power supply cords connected to it for damage resulting from vibration. Have damaged items repaired or replaced as necessary. Do not use plugs or cords that show signs of damage such as broken or cracked insulation or damaged blades.
- For power outages, permanently installed stationary generators are better suited for providing backup power to the home. Even a properly connected portable generator can become overloaded. This may result in overheating or stressing the generator components, possible leading to a generator failure.
- This portable generator is not for use with gasoline / ethanol blends with over 15% ethanol.

Location of Important Labels

Location of Important Labels

Your generator has several labels which provide important safety and maintenance information. Samples of these labels are provided below. Should any of these labels become illegible or damaged, contact the Customer Hotline at 1-888-HWHELP1 (494-3571) to request replacement.

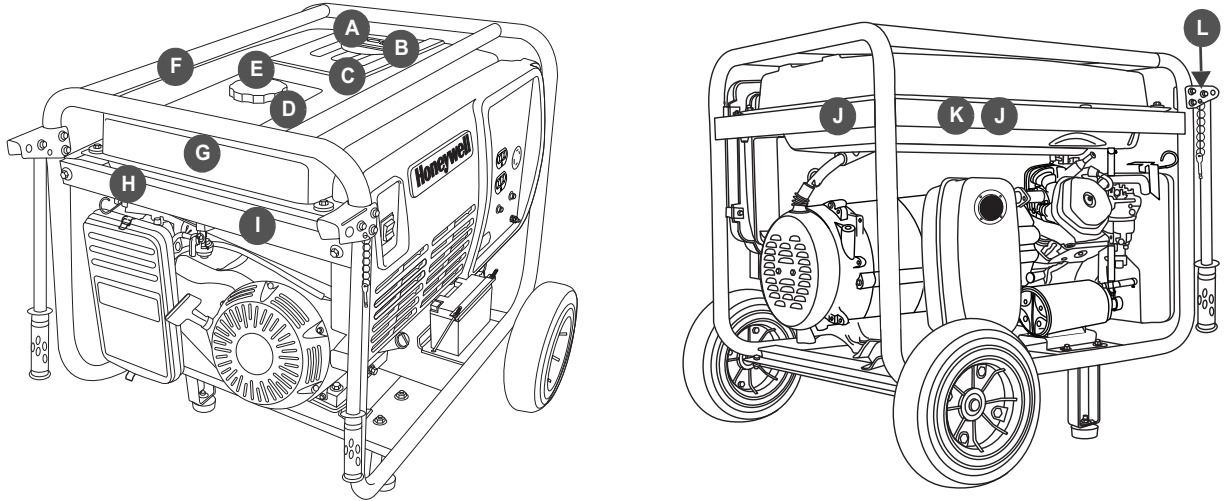
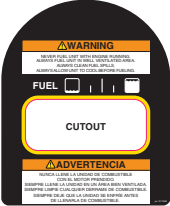
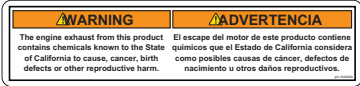
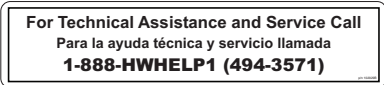
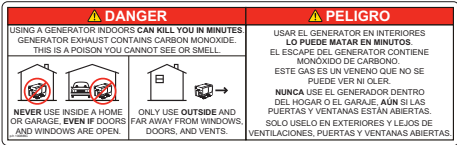

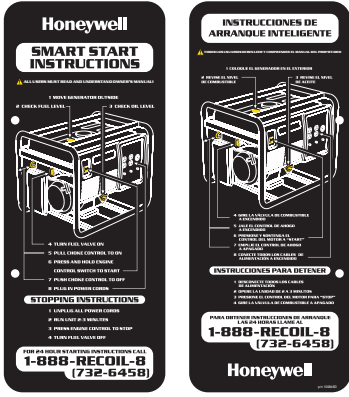
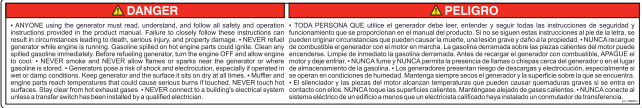







FIGURE 1: Label Locations

	PRODUCT LABEL	PART NUMBER
A		101796D
B		102455A
C		102029B
D		100886C
E		102094B

Location of Important Labels

F		100849D
G		100887C
H		100883C
I		100879D
J		100885D
K		102432A
L		100881B

⚠ WARNING

 The Smart Start instruction card (see F above) is NOT intended to replace information provided in this Owner's Manual. Thoroughly read and understand all information provided in Owner's Manual before operating generator. Failure to properly follow all instructions and precautions can cause you and others to be seriously injured or killed.

GETTING STARTED

Use the information in this section to get your generator ready for operation.

⚠ WARNING



ANYONE using this generator must read, understand, and follow all safety and operation instructions provided in the product manual. Failure to closely follow these instructions can result in circumstances leading to death, serious injury, and property damage.

Unpacking Guidelines

⚠ CAUTION



Generator is heavy! Lifting generator can cause back or other bodily injury. NEVER lift generator without assistance.

1. Set carton on a rigid, flat surface.
2. Remove carton contents.
3. Remove and discard silica gel packs.
4. Verify all of the following items are included in the generator package:
 - HW7000EH Portable Electrical Generator
 - Accessory Kit (includes engine oil and funnel)
 - Owner's Manual
 - Honda Engine Documentation
5. Inspect for damage.

Carefully inspect generator for any damage that may have occurred during shipment. If loss or damage is noted after delivery, separate damaged materials and call the Customer Hotline at 1-888-HWHELP1 (494-3571).

6. Remove the "No Oil" tag from the generator. See "Adding Engine Oil" on page 22.



7. Record generator information.

Write down the identification information specific to your generator in the spaces provided on the inside cover of this Owner's Manual. This information is located on the generator nameplate (see illustration below).

Northshore Power Systems, LLC Milwaukee, WI 53212 USA Honeywell	Power Output	7.0 kW	AC Voltage	120/240V
	Frequency	60Hz	Max. Ambient Temp.	40° C
	Phase	Single	Insulation Class	F
	Engine RPM	3600	Duty Cycle	Continuous
	Fuel	Gasoline	Model Number	HW7000EH
	Serial Number	[Redacted]		

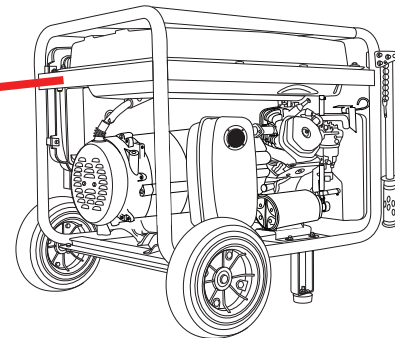


FIGURE 2: Generator Nameplate Location

Assembly

Assembly

⚠ CAUTION



Generator must be empty of engine oil and fuel. Drain engine oil and fuel, if necessary.



Generator is heavy! Lifting generator can cause back or other bodily injury. NEVER lift generator without assistance.

Accessory Kit

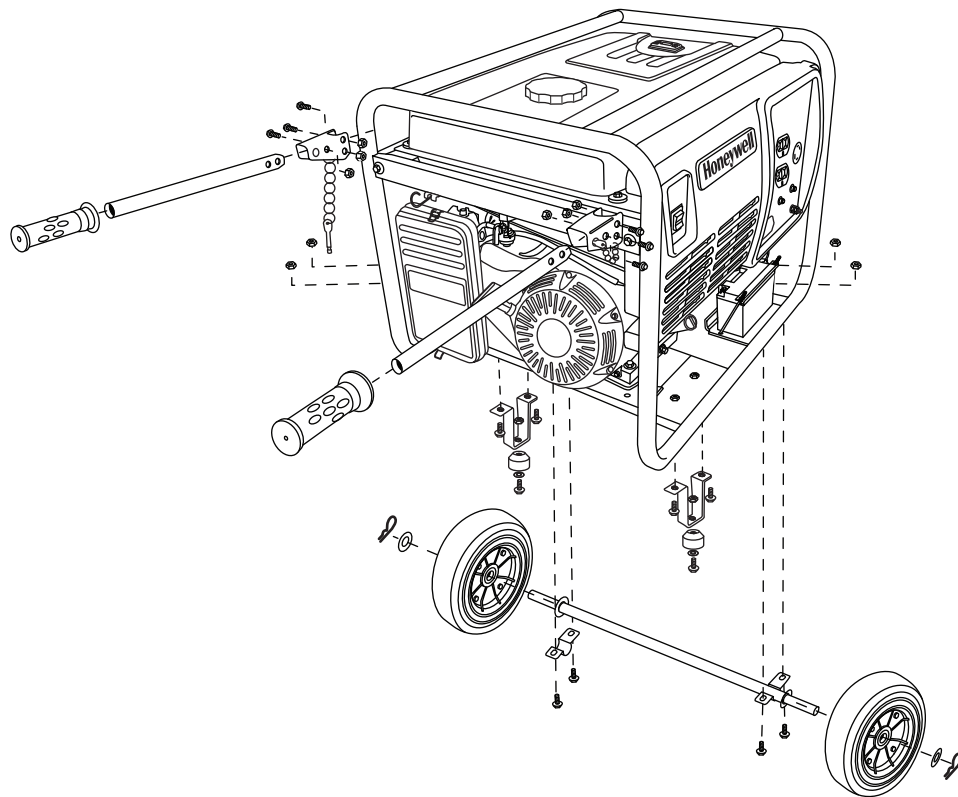


FIGURE 3: Accessory Kit Assembly

NOTICE

- Accessory kit is intended to be used specifically with this generator.
- NEVER use accessory kit for any other purpose.
- NEVER use accessory kit on-road.

Step 1: Install Support Legs

To install support legs, you will need:

- M12 x 30 mm long full-thread hex bolts (2)
- M8 x 22 mm OD x 1.75 mm washers (2)
- M12 serrated flange nuts (2)
- M12 x 16 mm long full-thread hex bolts (4)
- Support legs (2)
- Rubber stoppers (2)
- Socket wrench with 12 mm socket*

* Not included

CAUTION



Generator must be empty of engine oil and fuel. Drain engine oil and fuel, if necessary.



Generator is heavy! Lifting generator can cause back or other bodily injury. NEVER lift generator without assistance.

1. Place generator on a flat, level surface.
2. Stand at side of generator **opposite** recoil starter handle. Grip frame; carefully pull up and push to tilt generator backward.

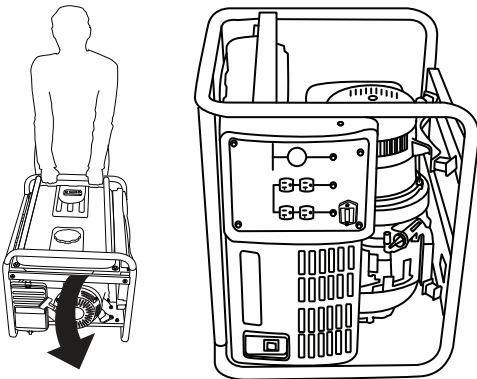


FIGURE 4: Tip onto Generator Recoil Side

3. Gently set generator onto the recoil side or elevate the generator by placing solid wood pieces underneath unit.

4. Place a washer in the center of each rubber stopper.
5. Attach a rubber stopper to the bottom of each support leg using a 30 mm long full-thread hex bolt and a serrated flange nut; tighten until securely seated.

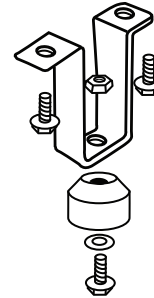


FIGURE 5: Rubber Stopper Attached to Support Leg

6. Attach each support leg to pre-drilled holes on bottom of generator frame, using 16 mm long full-thread hex bolts; tighten until securely seated.

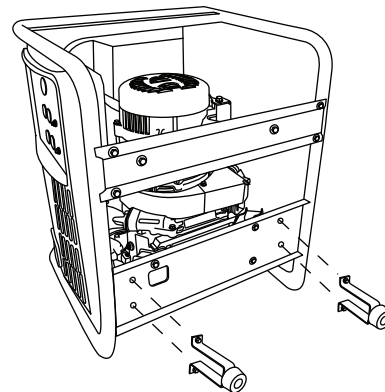


FIGURE 6: Support Leg Attached to Generator

Assembly

Step 2: Install Wheel Axle and Wheels

To install wheel assembly, you will need:

- Wheel axle (1)
- M12 x 16 mm long full-thread hex bolts (4)
- M12 serrated flange nuts (4)
- Axle bracket* (1)
- Wheels (2)
- M16 x 30 mm OD x 2.5 mm washers (2)
- Snap pins (2)
- 12 mm open end wrench†
- Socket wrench with 12 mm socket†
- Pliers†

* Two brackets are needed to install wheel axle. One bracket comes already attached to wheel axle; other bracket is included in accessory kit box.

† Not included.

1. Install wheel axle brackets to frame using 16 mm long full-thread hex bolts and serrated flange nuts.

- 1A. Install pre-attached bracket to frame first.

NOTE:

Axle brackets are offset (one side longer than the other), place with the short side up during installation (see Figure 8).

- 1B. Install other bracket (included in hardware bag) to frame.

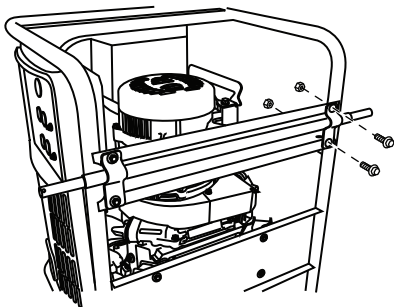


FIGURE 7: Wheel Axle Attached to Generator

On each end of axle:

2. Slide and push wheel onto axle.

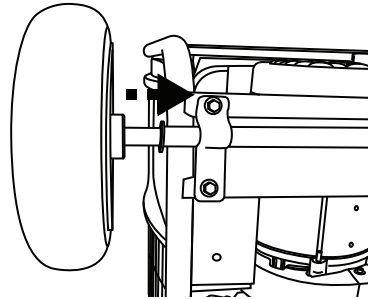


FIGURE 8: Slide Wheel onto Wheel Axle

3. Slide a washer onto axle.
4. Slide snap pin into pre-drilled hole using pliers until fully seated.

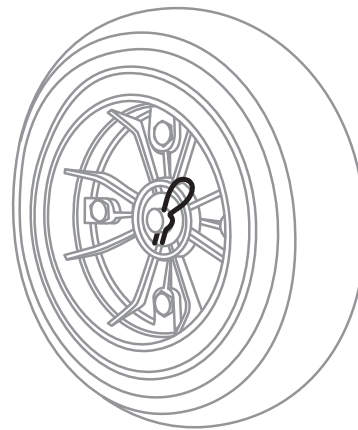


FIGURE 9: Snap Pin Installation

5. Return generator to upright position (so that wheels and leg supports are touching the ground).

Step 3: Install Handle Assembly

To install handle assembly, you will need:

- Handle brackets (2)
- Handle bars (2)
- Pins (2)
- Chains (2)
- Rubber handle grips (2)
- M10 x 40 mm long flange-head hex bolts (6)
- M10 serrated flange nuts (6)
- Socket wrench with 10 mm socket*
- 10 mm open end wrench*

* Not included

1. Hold handle bracket over pre-drilled holes on frame as shown in Figure 10.

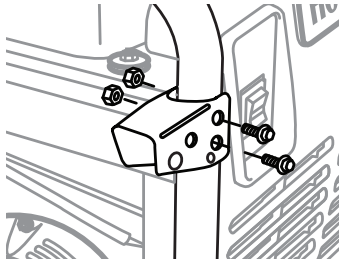


FIGURE 10: Handle Bracket to Frame

2. Attach bracket to frame using 40 mm long flange-head hex bolts and serrated flange nuts and tighten.
3. Slide rubber handle grip onto each handle bar and tap on hard surface until fully seated.

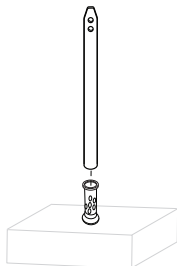


FIGURE 11: Attach Grips to Handle

4. Slide handle bar through center of each bracket and line up bolt holes.

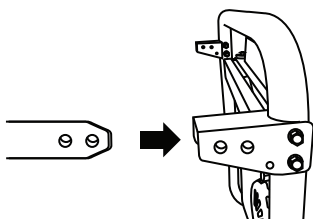


FIGURE 12: Insert Handle Bar to Bracket

5. Attach handle to each bracket using 40 mm long flange-head hex bolt and serrated flange nut to hole closest to frame and tighten.

NOTE:

Handle should be in a horizontal position after tightening bolts and nuts. If handle seems to hang down, tighten bolts and nuts further.

6. Attach pin to chain.

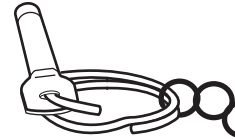


FIGURE 13: Attach Pin and Chain

7. Attach chain to handle bracket as illustrated below. Insert pin through bracket and handle.

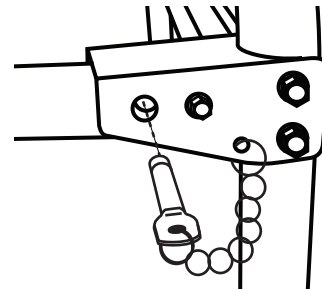


FIGURE 14: Attach Chain to Handle Bracket

Once properly installed, the handles can be collapsed, if desired, by removing the pins.

CAUTION





Hands and fingers can be pinched from collapsible handles.


- Keep hands and fingers clear from hinges when collapsing generator handles.
- Handles should only be used to roll the generator to a new location. If lifting the generator (i.e. into a vehicle), never use the handles to support the complete weight of the generator.
- **To collapse handles**, remove pins and push firmly down on handle until it rests vertically against generator frame.
- **To return handles to horizontal position**, pull up on handle and lock with pins.

Assembly

Step 4: Install Battery

To use the electric start feature, the battery (included) must be connected to generator's electric starter.

⚠ WARNING	
	Battery gases are explosive.
<ul style="list-style-type: none"> • NEVER allow open flames, lit cigarettes, sparks, or spark-producing equipment near the battery. 	
	Battery electrolyte fluid is comprised of sulfuric acid, which can be very dangerous and cause severe burns.
<ul style="list-style-type: none"> • NEVER allow battery fluid to contact eyes, skin, or clothing. If contact or spillage occurs, immediately flush the area with water. 	

⚠ WARNING	
	Exposed terminals, even on disconnected batteries, can cause electric shock.
<ul style="list-style-type: none"> • NEVER touch both battery terminals with bare hands at the same time. • Remove rings, watches or any other object containing metal when working with battery. If metal comes into contact with battery terminals, electric shock and serious burns can result. • Only use insulated/non-conducting tools when working with or near battery. • NEVER lay tools or other metal objects on top of battery. 	

1. To access battery posts, loosen and remove nuts on retaining plate; slide retaining plate off support rods and tip battery slightly forward.

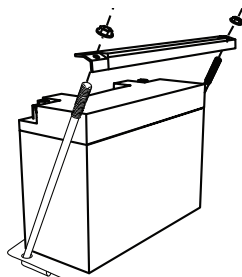



FIGURE 15: Electric Start Battery—Remove Retaining Plate

2. Remove boot/bolt/nut from each battery post.

⚠ WARNING	
	<p>To avoid electric arcing, which can result in electric shock, follow these instructions exactly. When connecting or disconnecting battery leads:</p> <ul style="list-style-type: none"> • ALWAYS connect positive (+) battery lead first. • ALWAYS disconnect negative (-) battery lead first. • NEVER connect negative (-) battery lead to positive (+) post on battery. • NEVER connect positive (+) battery lead to negative (-) post on battery.

3. Confirm red positive (+) battery lead is securely fastened to the positive (+) post as it may have loosened during shipping. Place boot over battery post.

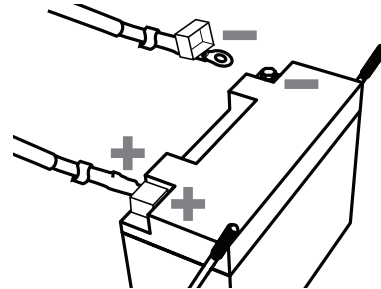


FIGURE 16: Electric Start Battery—Lead Connection

4. The generator is packaged with the negative (-) battery cable tie wrapped. Carefully cut the tie wrap to disengage the battery lead and remove the plastic bag.
5. Connect the black negative (-) battery lead to the negative (-) battery post; install bolt, nut, and boot.
6. Reinstall retaining plate; tighten bolts and nuts.


NOTE:

Actual battery appearance may vary from illustration provided.

NOTE:

While the engine is running, a small “trickle” charge is applied to the battery. This keeps an adequate battery charge.

Grounding the Generator

⚠ WARNING	
	Generator must be grounded to prevent electrical shock from faulty appliances.
<ul style="list-style-type: none"> Before using generator, consult a licensed electrician, electrical inspector, or local agency having jurisdiction for local codes or ordinances that apply to the intended use of generator. 	

The National Electric Code (NEC) requires the generator to be connected to an earth ground. Before using the generator, connect a copper wire (minimum 10 AWG) from the ground terminal (see Figure 17) to an earth ground. Consult a licensed electrician for proper grounding methods.

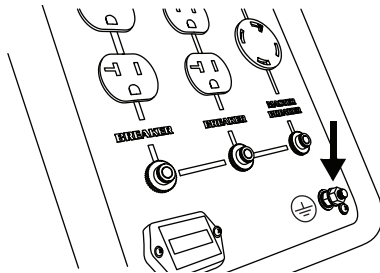


FIGURE 17: Ground Terminal

NOTE:



The generator is neutral floating which means the ground terminal on the generator is not connected to the AC neutral wire in the generator. If using a receptacle tester, it will not show the same ground circuit condition as for a home receptacle.

Special Requirements

There may be Federal or State Occupational Safety and Health Administration (OSHA) regulations, local codes, or ordinances that apply to the intended use of generator. Consult a licensed electrician, electrical inspector, or the local agency having jurisdiction.

- In some areas, generators are required to be registered with local utility companies.
- If generator is used at a construction site, there may be additional regulations which must be observed.

Using Generator for Backup Power

⚠ DANGER	
Improper connections of the generator to a building's electrical system can be deadly.	
	Electrical current from generator can feedback into utility lines. Such feedback may electrocute utility company workers or others who contact utility lines during a power outage.
	Electrical current can feedback into generator. When utility power is restored, generator may explode, burn, or cause fires in building's electrical system.
<ul style="list-style-type: none"> Before connecting to a building's electrical system, consult a licensed electrician, electrical inspector, or local agency having jurisdiction for local codes or ordinances that apply to the intended use of generator. 	

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COMPONENTS

Use information provided in this section to become familiar with your generator's components.

CAUTION The information below is provided for reference only. Refer to "OPERATION" on page 15 for instructions on operating the generator.

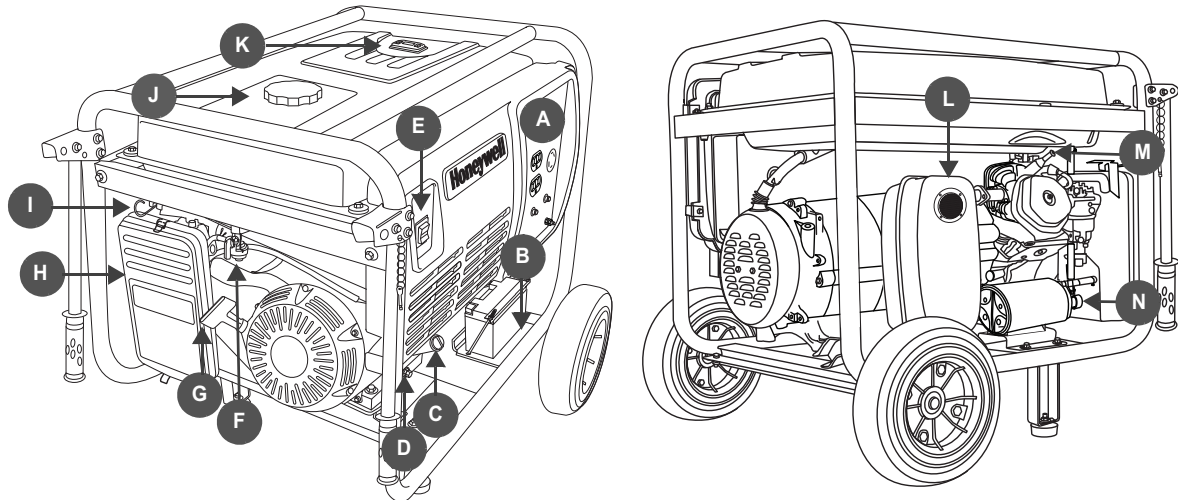
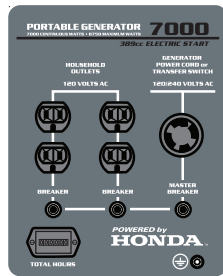


FIGURE 18: HW7000EH Portable Electrical Generator

A—Power Control Center

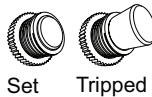
Electrical Outlets

- 125VAC 20 Amp Duplex (NEMA 5-20R) outlets to connect 120V appliances to generator for power.
- 125/250VAC 30 Amp Twist-Lock (NEMA L14-30R) outlet can be used to power appliances using appropriate (NEMA L14-30P) power cord (*not included*).



Breakers

Protects circuits from damage caused by overload or short-circuit by stopping the flow of electricity from the generator to the appliance. Master circuit breaker controls power to all outlets. If there is no power at outlets, see *Troubleshooting* section.



Hour Meter

Shows the total unit run time for maintenance purposes.

Ground Terminal

Connects generator to ground wire for grounding protection.

CAUTION
Generator must be grounded to prevent electrical shock from faulty appliances. See page 11.

B—Battery Tray and Battery

Provides power for electric start feature.

C—Oil Fill Dipstick

Seals off engine oil fill hole and provides indicator for engine oil level.

D—Oil Drain Screw

Allows engine oil to drain from generator.

E—Engine Control Switch

Control used to start and stop the engine. Engine control switch has three positions:

- **START**—Starts generator engine
- **RUN**—Prepares engine to start (manual start); Indicates engine is currently running (electric start)
- **STOP**—Stops generator engine

F—Fuel Shut-off Valve

Controls flow of fuel from fuel tank to carburetor.

G—Recoil Starter Handle

Provides means to manually start engine, if needed.

H—Air Cleaner Assembly

Removes dust from engine intake air.

I—Choke Control

Controls choke valve. Choke control must be moved to ON position when starting a cold engine.

J—Fuel Cap

Provides a secure seal on fuel tank.

K—Fuel Gage

Indicates level of fuel currently in fuel tank.

L—Muffler Equipped with Spark Arrestor

Provides outlet for engine exhaust. Prevents sparks and other combustible materials from escaping generator.

WARNING
Muffler reaches temperatures that can cause serious burns if touched. NEVER touch hot surfaces.

M—Spark Plug Cap (Wire)

Delivers voltage to spark plug. When spark plug needs service, cap must be removed.

N—Carbon Canister









Reduces hydrocarbon emissions.

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OPERATION

Generator Location

When deciding on the location to place your generator, keep in mind the following safety rules:



 DANGER	
	<p>Depressed areas such as construction foundations, pools, or any low-lying areas, can cause carbon monoxide to accumulate. Inhalation of carbon monoxide can kill you in minutes.</p> <ul style="list-style-type: none">• NEVER use generator inside homes, garages, crawl spaces, sheds, or similar enclosed spaces. Use generator only outdoors and far away from windows, doors, and vents.
 WARNING	
	<p>If generator is placed on an uneven or flexible surface, generator could tilt or overturn, causing fuel to spill from gas tank. Spilled fuel could ignite.</p> <ul style="list-style-type: none">• Place generator on firm, level surface and avoid loose sand or snow. If generator is tilted or overturned, fuel spillage may result. Also, if generator is overturned or sinks into a soft surface, sand, dirt, or water may enter generator.
 WARNING	
	<p>NEVER operate generator in rain or snow, or when the generator is set on wet surface.</p>
 WARNING	
	<p>Keep generator at least 6 feet (2 meters) away from buildings, other equipment, and combustible materials during operation.</p>

Preparing for Operation

 DANGER	
CARBON MONOXIDE	
<p>Generator exhaust contains high levels of carbon monoxide (CO), a poisonous gas you cannot see or smell. If you can smell the generator exhaust, you are breathing CO. But even if you cannot smell the exhaust, you could be breathing CO.</p>	
<ul style="list-style-type: none">• NEVER use a generator inside homes, garages, crawlspaces, or other partly enclosed areas. Deadly levels of carbon monoxide can build up in these areas. Using a fan or opening windows and doors does NOT supply enough fresh air.• ONLY use a generator outdoors and far away from open windows, doors, and vents. These openings can pull in generator exhaust.	
<p>Even when you use a generator correctly, CO may leak into the home. ALWAYS use a battery-powered or battery-backup CO alarm in the home.</p>	
<p>If you start to feel sick, dizzy, or weak after the generator has been running, move to fresh air RIGHT AWAY. See a doctor. You could have carbon monoxide poisoning.</p>	

Before starting generator, complete the following preparation tasks:

- Be sure generator is placed outdoors in a well ventilated area.** Using a generator indoors CAN KILL YOU IN MINUTES.
- Consult a licensed electrician or utility company if you will be using your generator for back-up power.** See “Using Generator for Backup Power” on page 11.

 DANGER	
	<p>Before connecting to a building's electrical system, consult utility company or licensed electrician.</p> <ul style="list-style-type: none">• Electrical current from generator can feedback into utility lines. Such feedback may electrocute utility company workers or others who contact utility lines during a power outage.

- Check/add engine oil**—See “Adding Engine Oil” on page 22. For initial start-up, follow instructions on oil container provided with generator.
- Check/add fuel***—See “Adding Engine Fuel” on page 22.
- Be sure ground terminal is properly connected to earth ground**—See “Grounding the Generator” on page 11.
- Check extension cords**—be sure cords are:
 - In good condition.
 - Rated for outdoor use and match amperage and voltage ratings of generator outlet.
 - Equipped with plugs that have a ground terminal.

* You must add fuel before using the generator for the first time. See “Adding Engine Fuel” on page 22.

Starting Generator

Starting Generator

⚠ WARNING



Thoroughly read and understand all information provided in this Owner's Manual before operating generator.

NOTICE

It is very important to maintain proper level of engine oil to keep engine in good running condition.

- Check engine oil level prior to each use.

Starting generator with appliances connected can cause permanent damage to appliances.

- NEVER start generator with electrical appliances plugged in and turned on.

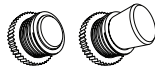
Electric Start

1. Place generator outside in a well-ventilated area.

NOTICE

Keep the generator at a minimum of 6 feet (2 meters) from any building, object, or wall.

2. Confirm the circuit breakers are set.



Set Tripped

FIGURE 19: Circuit Breaker Position

3. Turn fuel shut-off valve to the ON position.

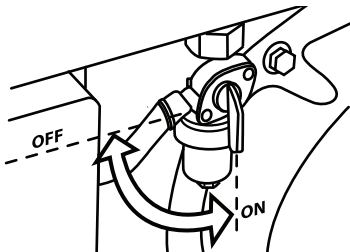


FIGURE 20: Fuel Shut-off Valve — ON/OFF Position

4. Pull choke control to the ON position.

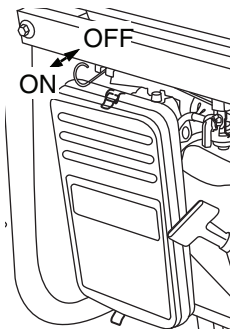


FIGURE 21: Choke Control

5. Press and hold engine control switch in START position until engine starts.

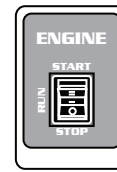


FIGURE 22: Engine Control Switch

NOTICE

If engine will not start, move the choke to the OFF position to reduce fuel to the engine.

NOTICE

- Holding engine control switch for more than 5 seconds can damage starter motor. If engine fails to start after 5 seconds, release engine control switch and wait 10 seconds before attempting to start engine again.
- If you notice engine cranking speed drop after a period of time, it may be an indication the battery should be recharged.

6. When the engine starts, release the engine control switch allowing it to settle to the RUN (center) position.

⚠ CAUTION

To avoid generator damage, NEVER press the engine control switch to the START position while generator is running.

7. As the engine warms up, and RPM stabilizes, gradually push choke control to the OFF position.

NOTE:

While engine is running, a small "trickle" charge is applied to starting battery. This keeps an adequate battery charge.

Stopping Generator

Manual (Recoil) Start

1. Place generator outside in a well-ventilated area.

NOTICE

Keep the generator at a minimum of 6 feet (2 meters) from any building, object, or wall.

2. Confirm the circuit breakers are set.

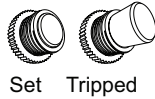


FIGURE 23: Circuit Breaker Position

3. Turn fuel shut-off valve to ON position.

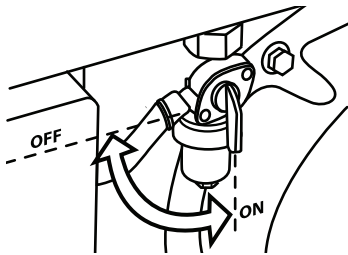


FIGURE 24: Fuel Shut-off Valve — ON/OFF Position

4. Pull choke control to ON position.

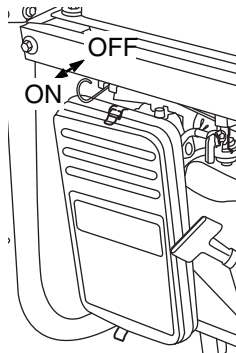


FIGURE 25: Choke Control

5. Press engine control switch to RUN position.

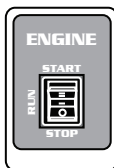


FIGURE 26: Engine Control Switch

6. Grip recoil starter handle and pull slowly until you feel slight resistance.

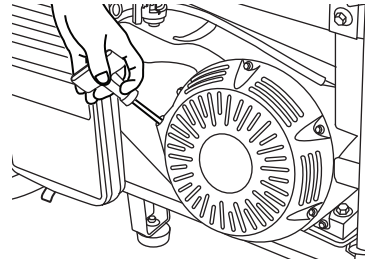


FIGURE 27: Recoil Starter Handle

NOTICE

NEVER allow the recoil starter handle to snap back against the engine. Return it gently to prevent damage to the starter.

7. Apply a swift pull to start the engine and carefully return the recoil starter handle to its original position. This may need to be repeated 2-3 times until the engine starts.

NOTICE

If engine will not start, move the choke to the OFF position to reduce fuel to the engine.

8. As engine warms up, and RPM stabilizes, gradually push in choke control to OFF position.

Stopping Generator

In an emergency:

Press the engine control switch to the STOP position.

In normal use:

Follow the below procedure to avoid possible generator backfire:

1. Turn OFF any connected appliances and unplug any connected power cords.
2. Turn the fuel shut-off valve to the OFF position.
3. Allow the generator to run until it stops and the gasoline in the fuel line has been consumed.
4. Press the engine control switch to the STOP position.

For long-term storage instructions, see page 25.

High-Altitude Operation

High-Altitude Operation

At high altitudes, standard carburetor air-fuel mixture will be excessively rich. Performance will decrease and fuel consumption will increase.

High-altitude performance can be improved by installing a smaller diameter main fuel jet in the carburetor and then readjusting the pilot screw. If you always operate the engine at altitudes higher than 5000 feet (1500 meters) above sea level, have an authorized generator dealer perform this carburetor modification.

Even with suitable carburetor jetting, engine horsepower will decrease approximately 3.5% for each 1000 foot (300 meter) increase in altitude above sea level. The effect of altitude on horsepower will be greater than this if no carburetor modification is made.

NOTICE

If the engine is jetted for high-altitude and is used at a lower altitude, it will run a lean air-fuel mixture that results in reduced performance, possible over-heating, and possible serious engine damage.

Powering Appliances

NOTE:

In this manual, the term “appliance” refers to any electrical device that can be connected to generator for power.

Rules for Powering Appliances

NOTICE

NEVER start generator with electrical appliances plugged in and turned on.

WARNING



Faulty appliances and power cords can result in electrical shock.

- Before attempting to power an appliance, be sure generator has been properly grounded, and the appliance and power cord are in good working order.
- NEVER use generator for any purpose other than its intended use.
- NEVER parallel connect generators or lengthen the exhaust pipe.
- NEVER connect generator directly to any household receptacle using a power cord with male plugs at both ends.

WARNING

Medical and Life Support Uses

- In case of emergency, call 911 immediately.
- NEVER use this product to power life support devices or life support appliances.
- NEVER use this product to power medical devices or medical appliances.
- Inform your electricity provider immediately if you or anyone in your household depends on electrical equipment to live.
- Inform your electrical provider immediately if a loss of power would cause you or anyone in your household to experience a medical emergency.

- **Plan carefully:** Before using the generator to power appliances, take time to add power ratings (wattage) of each appliance and verify that total wattage does not exceed rated output of generator. Power rating information can usually be found on an appliance's product label, stamped inside, or on the back of the appliance. See Table 1 for a listing of average appliance wattage requirements.
- **NEVER overload:** Circuit breakers will stop the flow of electricity between generator and appliance if the generator is overloaded. This will be indicated by a “tripped” breaker. If the master circuit breaker is tripped, reduce the load on the Twist-Lock (NEMA L14-30R) receptacle and reset the breaker. If a duplex circuit breaker is tripped, reduce the load on the duplex (NEMA 5-20R) receptacles above the breaker, wait several minutes for the breaker to cool, and reset the breaker.
- **Pay attention to appliance operation:** If appliance begins to operate abnormally, becomes sluggish, or stops suddenly, turn it OFF immediately. Disconnect appliance and determine whether problem is appliance, or if rated load capacity of generator has been exceeded.
- **Use suitable extension cords:** If using an extension cord to connect appliance to generator, use only UL-listed, three-prong extension cords that are intended for outdoor use. Be sure extension cord is proper size (wire-gauge) to handle electric load that will be plugged into it.

CAUTION

NEVER run power cords under carpet, rugs, or other materials where heat might build up or cord damage may go unnoticed.

Powering Appliances

Appliance Wattage Information

Use the table below as a guide to determine how much power you will need to run appliances.

NOTICE

The values provided in the following table are estimates only.

- ALWAYS verify actual wattage requirements for appliances by checking appliance label, operating manuals, or contacting the manufacturer.
- Appliances with electric motors require additional power when starting.

Appliance	Running Watts
Air Conditioner, Central*	2000-5000
Air Conditioner, Window, 6000 btu*	500-1440
Aquarium	50-1210
Clock Radio	10-50
Coffee Maker	900-1750
Computer, CPU & Monitor	125-270
Computer, Laptop	20-100
Dehumidifier*	400-785
Dishwasher*†	1200-2400
Dryer, Electric	1800-6000
Dryer, Gas	300-700
Electric Blanket	60-400
Fan, Ceiling*	65-175
Fan, Window*	55-300
Freezer*	500-700
Furnace*	600-1200
Garage Door Opener	500-750
Hair Dryer	1200-1875
Heater, Portable	750-1500
Iron, Clothes	1000-1800
Light, Incandescent	15-100
Light, Compact Fluorescent	5-25
Microwave Oven	750-1500
Radio, Stereo	70-400
Range, Electric (one burner)	600-1500
Refrigerator, Frost-free, 16 Cubic Feet*	500-725
Sump Pump*	600-1800
Television	65-500
Toaster	800-1650
Toaster Oven	1225-1500
Vacuum Cleaner*	600-1500
VCR/DVD	25-100
Washing Machine	350-1500
Water Heater, Electric, 40 gal	4000-5500
Water Pump, Deep Well*	600-1800

TABLE 1. Typical Appliance Running Wattages

* Allow up to three times normal running watts for starting this appliance.

† Using drying feature greatly increases energy consumption.

Appliance Wattage Calculator

Use the below area to calculate both the running wattage and additional starting wattage for your appliances. Running wattage is the amount of power needed to run the appliances continually. Additional starting wattage is the power needed to start appliances with electric motors.

1. Select the appliances you wish to power and fill in the Running Watts and Additional Starting Watts columns. These numbers are best obtained from the appliance label, operating manuals, or contacting the manufacturer. The Appliance Wattage Information chart in this manual is also available for reference.
2. Add together the Running Watts and enter the total in the Total Running Watts box.
3. Enter the Additional Starting Watts of the **one appliance** that uses the highest starting wattage (see gray box below) and enter the number in the Highest Additional Starting Watts box.
4. Add together the Total Running Watts and Highest Additional Starting Watts and enter the total in the TOTAL STARTING WATTS box.
5. Use this number to verify the selected appliances can be powered without exceeding the generator capacity.

EXAMPLE

Appliance	Running Watts	Additional Starting Watts
Refrigerator	725	1450
Sump Pump	1100	2200
Freezer	700	1400
Furnace	600	1200
Total Running Watts	3125	
Highest Additional Starting Watts	2200	
TOTAL STARTING WATTS	5325	

Generator must produce at least 3125 running watts and able to provide 5325 starting watts.

WORKSHEET

Appliance	Running Watts	Additional Starting Watts
Total Running Watts		
Highest Additional Starting Watts		
TOTAL STARTING WATTS		

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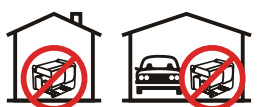
MAINTENANCE

Maintenance Schedule

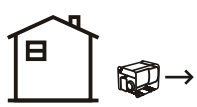
Periodic maintenance and adjustment are necessary to keep the generator in good operating condition. Perform service and inspection at intervals shown in *Generator Maintenance Schedule* (see Table 2).

⚠ DANGER

Using a generator indoors CAN KILL YOU IN MINUTES. Generator exhaust contains carbon monoxide. This is a poison you cannot see or smell.



NEVER use inside a home or garage, EVEN IF doors and windows are open.



Only use OUTSIDE and far away from windows, doors, and vents.

- Shut off engine before performing any maintenance. If engine must be run, be sure area is well ventilated.

⚠ WARNING

Accidental starting of generator can cause severe injury or death. Before performing maintenance, disconnect spark plug cap from spark plug. Also disconnect both starting battery cables. Remove the negative (-) cable first to reduce the risk of arcing.

⚠ WARNING

Improper maintenance, or failure to correct a problem before operation, can cause a malfunction in which you can be seriously hurt or killed. Always follow inspection and maintenance recommendations and schedules in this owner's manual.

NOTICE

Maintenance, replacement, or repair of the emission control devices and systems may be performed by any non-road engine repair establishment or individual.

NOTICE

The maintenance schedule applies to normal operating conditions. If you operate generator under severe conditions, such as sustained high-load or high-temperature, or use it in unusually wet or dusty conditions, consult your servicing dealer for recommendations applicable to your individual needs and use.



MAINTENANCE TASK	FREQUENCY*				
	Before each use	First month or 20 hours of use	Every 3 months or 50 hours of use	Every 6 months or 100 hours of use	Every year or 300 hours of use
Inspect for/clean debris	X				
Check engine oil level	X				
Change engine oil		X		X	
Check air filter	X				
Clean air filter			X†		
Replace air filter					X
Run engine			X‡		
Check/adjust spark plug				X	
Replace spark plug					X
Clean fuel sediment cup				X	
Clean spark arrestor				X	
Clean cylinder cooling fins					X**
Check/adjust idle speed					X**
Check/adjust valve clearance					X**
Clean combustion chamber	Every 500 hours **				
Check fuel tube	Every 2 years (replace if necessary)**				

TABLE 2. Generator Maintenance Schedule

- * Perform at every indicated month or operating hour interval, whichever comes first.
- † Clean more often when using generator in dusty areas.
- ‡ It is recommended that the generator is run for 30-60 minutes every three months to ensure the battery remains charged. If the unit is stored for more than a year without running, a battery charger may necessary to recharge the generator battery.
- ** These items should be serviced by a Honda service dealer, unless you have the proper tools and are mechanically proficient. Refer to the Honda shop manual for service procedures.

Adding Engine Fuel

Adding Engine Fuel

⚠ DANGER	
	Fuel and fuel vapors are extremely flammable and explosive under certain conditions.
	
<ul style="list-style-type: none"> • Refuel generator only outdoors, in a well-ventilated area. • NEVER fill fuel tank while engine is running. Turn generator OFF and allow to cool before filling with fuel. • NEVER smoke or allow flames or sparks near generator or where gasoline is stored. • NEVER overfill fuel tank (no fuel should be in filler neck). After refueling, be sure fuel cap is closed properly and securely. • Be careful not to spill fuel when refueling. Spilled fuel or fuel vapor may ignite. If any fuel is spilled, be sure area is dry before starting engine. • Avoid repeated or prolonged contact with skin or breathing of vapor. 	

NOTICE
To avoid damage to engine, never use stale or contaminated gasoline or oil/gasoline mixture. Avoid getting dirt or water in fuel tank.

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

1. Stop generator if engine is running. Allow to completely cool.
2. Place the generator on a flat, level surface.



3. Remove fuel cap (A).
4. Slowly pour gasoline into fuel tank. Be careful not to overfill above the filler neck that supports the fuel strainer (C).

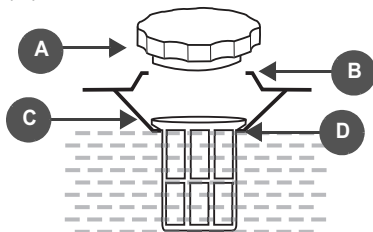



FIGURE 28: Top of Fuel Tank (B) and Maximum Fuel Level (D)

⚠ DANGER	
	Be careful not to spill fuel when refueling. Spilled fuel or fuel vapor may ignite. If any fuel is spilled, be sure area is dry before starting engine.



5. Reinstall the fuel cap (A) and tighten.

NOTE:


Occasional, light spark knock, "pinging", or rattling noise is normal while operating under heavy loads. If spark knock, pinging, or rattling occurs at a steady engine speed, under normal load, drain fuel (page 26) and refill with fresh gasoline. If noise persists, see an authorized generator dealer.

NOTICE
Running engine with persistent spark knock or pinging can cause engine damage. Warranty does not cover parts damaged by misuse.

Adding Engine Oil

NOTICE
It is very important to maintain proper level of engine oil to keep engine in good running condition.
<ul style="list-style-type: none"> • Check engine oil level prior to each use. Refill engine oil if oil level is too low.

1. Stop generator if engine is running.

⚠ WARNING	
	<p>ALWAYS stop engine before removing oil fill dipstick.</p> <p>Crankcase pressure can cause hot engine oil to spray out of engine fill hole. Hot engine oil can cause severe burns.</p>

2. Place generator on a flat, level surface.
3. Using clean cloth, wipe around oil fill and drain plug areas to clean any dirt and debris.
4. Remove oil fill dipstick.

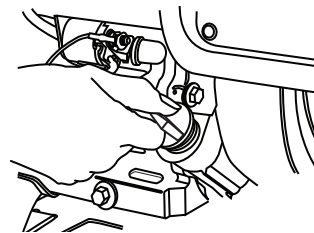


FIGURE 29: Oil Fill Dipstick Removal

5. Slowly pour oil into oil fill hole using funnel to the level specified in the Honda Owner's Manual.
6. Check oil level.
7. Replace oil fill dipstick and fully tighten.

Engine Maintenance

See the Honda Owner's Manual for instructions on how to properly maintain the engine.

Contact an authorized Honda service dealer for engine maintenance and repairs. In some locations, authorized Honeywell service dealers are also Honda service dealers. Contact your local dealer before transporting your generator for service.

⚠ WARNING



Gasoline and flammable solvents can cause fire or explosion. NEVER use gasoline or flammable solvent to clean air filter element.

- Use only household soap and water to clean air filter element.

⚠ WARNING

Frequent or prolonged contact with engine oil may cause skin cancer.

- Immediately after handling engine oil, thoroughly wash hands and any areas of skin exposed to engine oil, with soap and water.

Battery Service

To ensure the battery remains charged, it is recommended that the generator is started every three months. If the unit is stored for more than a year without running, a battery charger may be required to recharge the generator battery.

Recommended Battery Replacement:

Xtreme	XTAX14AHL-BS
Yuasa	12N14-3A

TABLE 3. Replacement Batteries

To replace battery:

1. Remove spark plug cap.

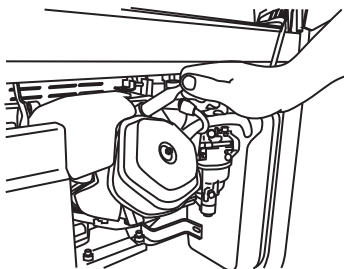


FIGURE 30: Spark Plug Cap Removal

2. Loosen and remove nuts on retaining plate; slide retaining plate off support rods.

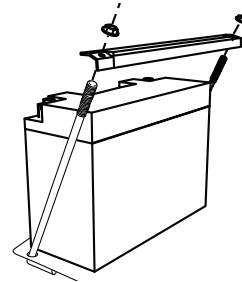


FIGURE 31: Electric Start Battery—Remove Retaining Plate

3. Tip battery slightly forward.
4. Disconnect the black negative (-) battery lead removing the boot, bolt, and nut.

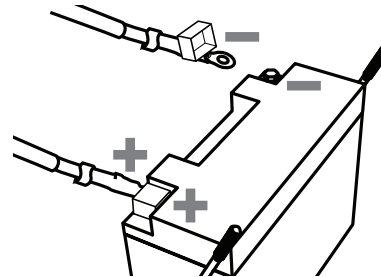


FIGURE 32: Electric Start Battery—Lead Connection

5. Disconnect the red positive (+) battery lead removing the boot, bolt, and nut.
6. Remove the battery.

NOTE:

Dispose of used battery according to guidelines established by your local or state government.

7. Place the new battery in the generator frame.
8. Connect the red positive (+) battery lead to the positive (+) post on the battery; install bolt, nut, and boot.
9. Connect the black negative (-) battery lead to the negative (-) post on the battery; install bolt, nut, and boot.
10. Reinstall retaining plate; tighten bolts and nuts.
11. Reinstall spark plug cap.

Cleaning Spark Arrestor Screen

Cleaning Spark Arrestor Screen

WARNING



Muffler reaches temperatures that can cause serious burns if touched. NEVER touch hot surfaces.

Generator muffler is equipped with spark arrestor screen, which must be cleaned according to maintenance schedule (Table 2).

To clean spark arrestor screen, you will need:

- #2 Phillips screwdriver*
- Wire brush*

* Not included

1. Stop generator if engine is running. Allow to completely cool.
2. Place generator on a flat, level surface.
3. Use a Phillips screwdriver to remove the spark arrestor screws and washers.
4. Remove the spark arrestor.

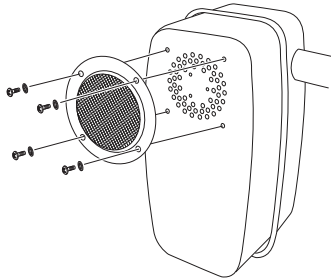


FIGURE 33: Spark Arrestor Assembly

5. Inspect the spark arrestor screen.
 - If the screen is damaged or excessively worn, replace the spark arrestor.
 - If the screen is in good condition, clean using a wire brush.

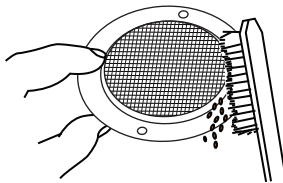


FIGURE 34: Clean Screen

6. Reinstall spark arrestor carefully aligning screw holes.

Cleaning Fuel Sediment Cup

The sediment cup helps prevent fuel tank residue from entering the carburetor.

Clean fuel sediment cup at the intervals specified in Table 2.

To clean fuel sediment cup, you will need:

- 10 mm box wrench*
- 22 mm open end wrench*
- Household soap and water
- Clean, dry cloth

* Not included

To clean fuel sediment cup:

1. Stop engine if it is running. Allow to completely cool.
2. Place generator on a flat, level surface.
3. Turn fuel shut-off valve to OFF position.
4. While holding the fitting above the fuel shut-off valve with a 22 mm open end wrench, remove the fuel sediment cup assembly (sediment cup, o-ring, and fuel screen) using a 10 mm box wrench.

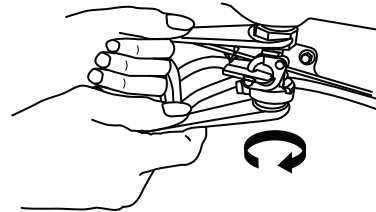


FIGURE 35: Fuel Sediment Cup Assembly Removal

5. Clean fuel screen (A), o-ring (B), and sediment cup (C), with soap and water.

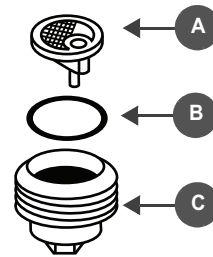



FIGURE 36: Fuel Sediment Cup Assembly

6. Rinse parts thoroughly with water.
7. Wipe pieces clean with clean, dry cloth.
8. Reinstall sediment cup, o-ring, and fuel filter.
9. Turn fuel shut-off valve to ON position.
10. Start generator and check for leaks.

Transporting Generator

⚠ WARNING	
	Hot engine or exhaust system can cause serious burns or fires. Cool generator completely before transporting or storing.

When transporting the generator:

- Press the engine control switch to the STOP position.
- Turn the fuel shut-off valve to the OFF position.
- Keep the generator level to prevent fuel spillage.
- Be sure pins are in place in the handle / handle bracket before moving generator.

NOTICE
NEVER drop, strike, or place heavy objects on generator when transporting.

Storing Generator

NOTICE
Follow service procedures for preparing generator for storage. Inadequate or improper care of generator can result in damage to generator components and will void limited warranty.

Before storing generator for extended period of time:


- Be sure storage area is free of excessive humidity and dust.
- Refer to Table 4 for recommended preparation procedures.

Storage Time	Recommended Preparation
Less than 1 month	No preparation required.
1 to 2 months	Fill fuel tank with fresh gasoline and add gasoline conditioner*.
2 months to 1 year or more	See procedure below.

TABLE 4. Recommended Service Procedures Based on Storage Time

* Use gasoline conditioners formulated to extend storage life. Contact authorized generator dealer for conditioner recommendations.

To prepare generator for long-term storage:

⚠ DANGER	
	Fuel and its vapors are extremely flammable and explosive under certain conditions.
<ul style="list-style-type: none"> • NEVER smoke or allow flames or sparks near generator or where gasoline is stored. 	

1. Stop generator if engine is running. Allow to completely cool.
2. Clean all exterior surfaces. Touch up any damaged paint and coat other areas that may rust with a light film of oil.

NOTICE
Using a garden hose or pressure washing equipment can force water into the air cleaner or muffler opening causing damage.

3. Drain fuel into suitable container (see page 26) or add gasoline stabilizer (follow the manufacturer's instructions).
4. Change engine oil (see page 22).
5. Remove spark plug and add a tablespoon of clean engine oil into spark plug hole.
6. Place rag over spark plug hole and pull recoil starter handle slowly to turn engine and distribute oil.
7. Reinstall spark plug.

Storing Generator

Draining Fuel

1. Turn fuel shut-off valve to OFF position.
2. Place suitable container underneath drain hole to catch fuel.
3. Loosen bolt (underneath fuel sediment cup) using a 10 mm box wrench while holding the fitting above the fuel shut-off valve with a 22 mm open end wrench.

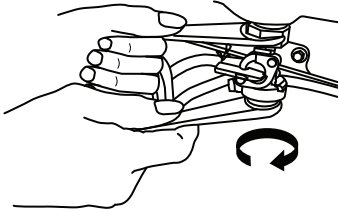


FIGURE 37: Loosen Bolt to Drain Fuel

4. Turn fuel shut-off valve to ON position.

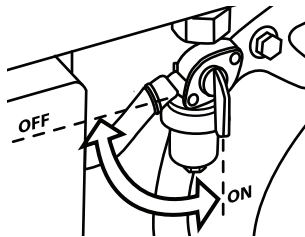


FIGURE 38: Fuel Shut-off Valve — ON/OFF Position

5. Allow fuel to drain into container.
6. To ensure all fuel is drained, carefully tip generator by pulling up on frame at side opposite of recoil starter handle.

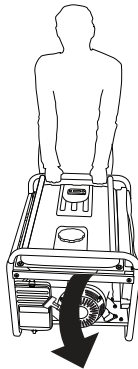


FIGURE 39: Tip Generator to Completely Drain Fuel

7. Allow fuel to completely drain into container.
8. Reinstall bolt.
9. Run engine until it stops due to lack of fuel.
10. Turn fuel shut-off valve to the OFF position.

11. Loosen carburetor fuel bowl screw and use a rag to absorb fuel from the drain port.

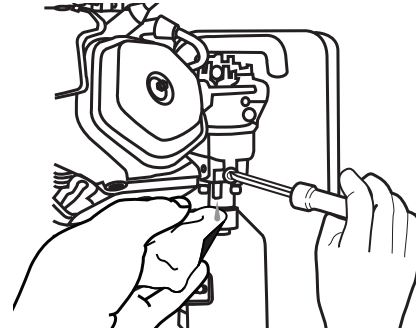


FIGURE 40: Drain Fuel Bowl

WARNING



Fuel and its vapors are extremely flammable and explosive under certain conditions.



- Be careful not to spill fuel when refueling. Spilled fuel or fuel vapor may ignite. If any fuel is spilled, be sure the area is dry before starting the engine.
- Avoid repeated or prolonged contact with skin or breathing of vapor.

12. When ready to put generator back into operation, refill with fresh fuel (see page 22).

TROUBLESHOOTING

⚠ WARNING



ANYONE using or servicing this generator must read, understand, and follow all safety and operation instructions provided in the product manual. Failure to closely follow these instructions can result in circumstances leading to death, serious injury, and property damage.

⚠ DANGER

Using a generator indoors CAN KILL YOU IN MINUTES. Generator exhaust contains carbon monoxide. This is a poison you cannot see or smell.



NEVER use inside a home or garage, EVEN IF doors and windows are open.



Only use OUTSIDE and far away from windows, doors, and vents.

NOTE:

For all customer service inquiries, call 1-888-HWHELP1 (494-3571) or visit www.honeywellgenerators.com.

NOTE:

Contact an authorized Honda service dealer for engine maintenance and repairs. In some locations, authorized Honeywell service dealers are also Honda service dealers. Contact your local dealer before transporting your generator for service.

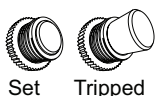
PROBLEM	PROBABLE CAUSE	SOLUTION
Engine will not start or starts and runs rough	No fuel.	Add fuel (page 22).
	Stale fuel.	Drain fuel tank; fill with fresh fuel (page 26).
	No or low engine oil.	Add engine oil (page 22).
	Spark plug cap (wire) disconnected.	Install spark plug cap over spark plug.
	Faulty/bad spark plug.	Check/replace spark plug (see Honda Owner's Manual).
	Fuel not reaching carburetor.	Clean fuel sediment cup (page 24).
	Dirty air filter.	Clean or replace air filter (see Honda Owner's Manual).
	Dirty spark arrestor screen.	Clean spark arrestor screen (page 24).
Engine suddenly stops	No fuel.	Add fuel (page 22).
	No or low engine oil.	Add engine oil (page 22).
No power at AC receptacle	Electrical overload on generator.	Check all circuit breakers for "tripped" position. If the master circuit breaker is tripped, reduce the load on the Twist-Lock (NEMA L14-30R) receptacle and reset the breaker. If a duplex circuit breaker is tripped, reduce the load on the duplex (NEMA 5-20R) receptacles above the breaker, wait several minutes for the breaker to cool, and reset the breaker. 
	Poor connection or defective cord.	Check cord connection. Replace defective cord.
	Connected electrical appliance/equipment is defective.	Check electrical appliance/equipment for defects. Disconnect defective appliance/equipment from the generator. Have appliance serviced by qualified repair facility.
Engine cranking slowly	Low battery charge.	Charge / replace battery.

TABLE 5. Troubleshooting — Probable Causes and Solutions

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SPECIFICATIONS AND WIRING DIAGRAM

GENERATOR		
Dimensions*		
	Length [in / mm]	31 / 787.4
	Width [in / mm]	28.5 / 723.9
	Height [in / mm]	26 / 660.4
	Dry Weight [lb / kg]	211 / 95.7
AC Output		
	Rated Power [watts]	7000
	Maximum Power [watts]	8750
	Frequency [hertz]	60
	Voltage [volts]	120 / 240
Operating Temperature		
	Maximum [F / C]	104° / 40°
	Minimum [F / C]	14° / -10°
Battery		
	Capacity	12V / 11.2 Ah
ENGINE		
	Speed [rpm]	3600
	Type	OHV 4-Cycle
	Displacement [cc]	389
	Fuel	86 or higher unleaded
	Fuel Tank Capacity [gal / L]	6.1 / 23
	Engine Oil	SAE 10W-30
	Engine Oil Capacity [qt / L]	1.2 / 1.1
	See Honda Owner's Manual for Additional Engine Information	

TABLE 6. HW7000EH Portable Electrical Generator Specifications

* Measurements given reflect dimensions with accessory kit installed.

Wiring Diagram

Wiring Diagram

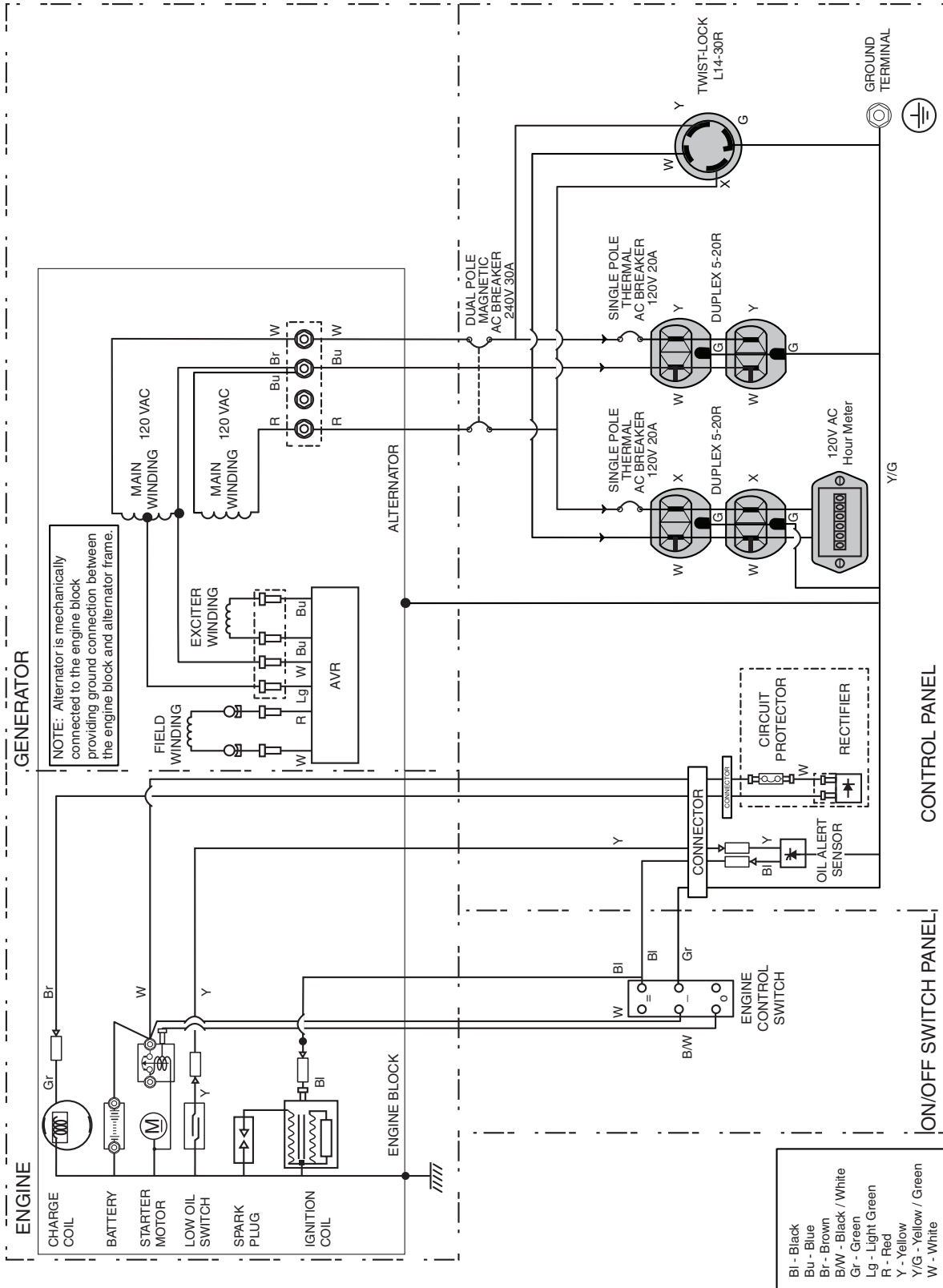


FIGURE 41: HW7000EH Wiring Diagram

WARRANTY

NORTHSHORE POWER SYSTEMS CONSUMER LIMITED WARRANTY

Honeywell Portable Generator

LIMITED WARRANTY

Northshore Power Systems, LLC will repair or replace, free of charge, to the original retail customer, in North America, any parts of the portable generator found by Northshore Power Systems or an authorized service center to be defective in material or workmanship. This limited warranty covers the cost of the replacement parts and labor for defects. Transportation charges are the responsibility of the customer. This limited warranty has time period conditions, operating conditions and disclaimers, limitations of remedies & exclusions as stated below. For warranty service, customer should locate an authorized Honeywell Generator Dealer from www.honeywellgenerators.com or by calling 1-888-HWHELP1 (494-3571).

LIMITED WARRANTY PERIODS

Consumer Use: 3 Years Limited. 1st year, parts and labor. 2nd & 3rd years, parts only.

Commercial Use: 1 Year Limited. No warranty for rental use.

Commencement and Definitions. The limited warranty period begins on the date of retail purchase by the original purchaser. The limited warranty is not transferable. "Consumer use" is personal use by a retail customer. "Commercial use" is any usage for income producing, business related use.

No Extension of Warranty. Repair or replacement pursuant to this limited warranty shall not renew or extend the original warranty period, and any repaired product shall be warranted for the remaining original warranty period only.

DISCLAIMERS, LIMITATIONS OF REMEDIES & EXCLUSIONS

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

MEDICAL AND LIFE SUPPORT USES. This warranty excludes any use of this product intended to power life support devices, life support appliances, medical devices, or medical appliances.

DISCLAIMER OF OTHER WARRANTIES. TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, THIS LIMITED WARRANTY IS EXCLUSIVE AND EXPRESSLY IN LIEU OF ANY AND ALL OTHER WARRANTIES, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER IMPLIED WARRANTIES THAT MAY ARISE FROM A COURSE OF DEALING OR USAGE OF TRADE. NORTHSHORE POWER SYSTEMS HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES. To the extent that Northshore Power Systems's products are consumer products under applicable federal or state law with respect to any customer, the duration of any implied warranties (including, but not limited to, implied warranties of merchantability or fitness for a particular purpose) are limited to the shortest duration permitted by applicable law or the limited warranty period provided herein, whichever is longer.

LIMITATIONS OF REMEDIES. NORTHSHORE POWER SYSTEMS SHALL NOT BE LIABLE TO CUSTOMER, OR TO ANYONE CLAIMING UNDER CUSTOMER, FOR ANY OTHER OBLIGATIONS OR LIABILITIES, INCLUDING, BUT NOT LIMITED TO, OBLIGATIONS OR LIABILITIES ARISING OUT OF BREACH OF CONTRACT OR WARRANTY, NEGLIGENCE OR OTHER TORT OR ANY THEORY OF STRICT LIABILITY, WITH RESPECT TO THE GENERATOR OR NORTHSHORE POWER SYSTEMS'S ACTS OR OMISSIONS OR OTHERWISE. TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, NORTHSHORE POWER SYSTEMS SHALL NOT, IN ANY EVENT, BE LIABLE FOR INCIDENTAL, COMPENSATORY, PUNITIVE, CONSEQUENTIAL, INDIRECT, SPECIAL OR OTHER DAMAGES, INCLUDING BUT NOT LIMITED TO LOSS OF USE, LOSS OF INCOME, LOSS OF TIME, LOSS OF SALES, INJURY TO PERSONAL PROPERTY, OR LIABILITY CUSTOMER INCURS WITH RESPECT TO ANY OTHER PERSON, OR ANY OTHER TYPE OR FORM OF CONSEQUENTIAL DAMAGE OR ECONOMIC LOSS.

EXCLUSIONS. In addition to the foregoing disclaimers, limitations and terms, this limited warranty shall not apply to and does not cover accessories, nor does it cover products that are in any way subjected to: (i) improper setup, installation or storage; (ii) lack of proper maintenance and service; (iii) accident, damage, abuse or misuse; (iv) abnormal operating conditions or applications; (v) repair or modification by customer or any third party without prior written consent of Northshore Power Systems; (vi) use under operating conditions or in applications not made known to or contemplated by Northshore Power Systems; or (viii) acts of God. The application of these exclusions will be determined at Northshore Power Systems's sole discretion.

This generator is equipped with an engine that is covered exclusively by a separate warranty from the engine manufacturer. Please refer to the engine documentation included with the generator for warranty information related to the engine.

REGISTRATION

Warranty registration with the Company is required on all products. You may send in the enclosed Product Registration, or register your product on-line at www.honeywellgenerators.com.

Warranty is also available by keeping and showing your original receipt from date of purchase to an authorized Honeywell Generator Dealer.

GENERATOR SERVICE

Do not return your generator to place of purchase for service. For all customer service inquiries, call 1-888-HWHELP1 (494-3571) or visit www.honeywellgenerators.com.

Warranty inquiries can be addressed to:

Northshore Power Systems, LLC
Attention: Service and Warranty Dept.
4425 N. Port Washington Road
Suite 105
Milwaukee, WI 53212-1082

Warranty

NORTHSHORE POWER SYSTEMS EVAPORATIVE EMISSIONS CONTROL WARRANTY

Honeywell Portable Generator

WARRANTY STATEMENT

The California Air Resources Board and Northshore Power Systems, LLC are pleased to explain the evaporative emission control system (EECS) warranty on your 2010 portable generator. In California, new portable generators must be designed, built and equipped to meet the State's stringent anti-smog standards. Northshore Power Systems must warrant the EECS on your portable generator for the period of time listed below provided there has been no abuse, neglect or improper maintenance of your portable generator. Your EECS may include parts such as the carburetor, fuel lines, fuel caps, valves, canisters, filters, vapor hoses, clamps, and other associated emission-related components. Where a warrantable condition exists, Northshore Power Systems will repair your portable generator at no cost to you including diagnosis, parts and labor.

MANUFACTURER'S WARRANTY COVERAGE

This evaporative emission control system is warranted for two years. If any evaporative emission-related part on your equipment is defective, the part will be repaired or replaced by Northshore Power Systems.

OWNER'S WARRANTY RESPONSIBILITIES

As the portable generator owner, you are responsible for performance of the required maintenance listed in your owner's manual. Northshore Power Systems recommends that you retain all receipts covering maintenance on your portable generator, but Northshore Power Systems cannot deny warranty solely for the lack of receipts. As the portable generator owner, you should however be aware that Northshore Power Systems may deny you warranty coverage if your portable generator or a part has failed due to abuse, neglect, or improper maintenance or unapproved modifications. You are responsible for presenting your portable generator to Northshore Power Systems's distribution center or service center as soon as the problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days. If you have a question regarding your warranty coverage, you should contact Northshore Power Systems by email at service@nspsystems.com or by calling 1-877-HWTECHS (498-3247).

GENERAL EVAPORATIVE EMISSIONS WARRANTY COVERAGE

Northshore Power Systems warrants to the ultimate purchaser and each subsequent purchaser that the portable generator is: Designed, built and equipped so as to conform with all applicable regulations; and free from defects in materials and workmanship that cause the failure of a warranted part to be identical in all material respects to that part as described in the application for certification. The warranty period begins on the date the portable generator is delivered to an ultimate purchaser or first placed into service. The warranty period is two years. Subject to certain conditions and exclusions as stated below, the warranty on emission-related parts is as follows:

1. Any warranted part that is not scheduled for replacement as required maintenance in the written instructions supplied, is warranted for the warranty period stated above. If the part fails during the period of warranty coverage, the part will be repaired or replaced by Northshore Power Systems according to subsection (4) below. Any such part repaired or replaced under warranty will be warranted for the remainder of the period.
2. Any warranted part that is scheduled only for regular inspection in the written instructions supplied is warranted for the warranty period stated above. Any such part repaired or replaced under warranty will be warranted for the remaining warranty period.
3. Any warranted part that is scheduled for replacement as required maintenance in the written instructions supplied is warranted for the period of time before the first scheduled replacement date for that part. If the part fails before the first scheduled replacement, the part will be repaired or replaced by Northshore Power Systems according to subsection (4) below. Any such part repaired or replaced under warranty will be warranted for the remainder of the period prior to the first scheduled replacement point for the part.
4. Repair or replacement of any warranted part under the warranty provisions herein must be performed at an authorized Honeywell Service Center.
5. Notwithstanding the provisions herein, warranty services or repairs will be provided at an authorized Honeywell Service Center at no charge to the owner.
6. The portable generator owner will not be charged for diagnostic labor that is directly associated with diagnosis of a defective, emission-related warranted part, provided that such diagnostic work is performed at a warranty station.
7. Northshore Power Systems is liable for damages to other engine or equipment components proximately caused by a failure under warranty of any warranted part.
8. Throughout the portable generator warranty period stated above, Northshore Power Systems will maintain a supply of warranted parts sufficient to meet the expected demand for such parts.
9. Any replacement part may be used in the performance of any warranty maintenance or repairs and must be provided without charge to the owner. Such use will not reduce the warranty obligations of Northshore Power Systems.
10. Add-on or modified parts that are not exempted by the Air Resources Board may not be used. The use of any non-exempted add-on or modified parts by the ultimate purchaser will be grounds for disallowing a warranty claims. Northshore Power Systems will not be liable to warrant failures of warranted parts caused by the use of a non-exempted add-on or modified part.

WARRANTED PARTS

The repair or replacement of any warranted part otherwise eligible for warranty coverage may be excluded from such warranty coverage if Northshore Power Systems demonstrates that the portable generator has been abused, neglected, or improperly maintained, and that such abuse, neglect, or improper maintenance was the direct cause of the need for repair or replacement of the part. That notwithstanding, any adjustment of a component that has a factory installed, and properly operating, adjustment limiting device is still eligible for warranty coverage. The following emission warranty parts are covered:

- A. Fuel Tank
- B. Fuel Cap
- C. Fuel Line
- D. Fuel Line Fittings
- E. Clamps
- F. Vapor Hoses
- G. Carbon Canister
- H. Canister Mounting Brackets
- I. Carburetor Purge Port Connector

QUESTIONS

If you have questions regarding your emissions warranty rights and responsibilities, you should contact the Service and Warranty Department at Northshore Power Systems.

By phone: 1-877-HWTECHS (498-3247)

By email: service@nspsystems.com

By US mail:

Northshore Power Systems, LLC
Attention: Service and Warranty Dept.
4425 N. Port Washington Road
Suite 105
Milwaukee, WI 53212-1082

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MAINTENANCE PARTS

To order maintenance parts, visit www.honeywellgenerators.com or call the Customer Hotline at 1-888-HWHELP1 (494-3571).

PART NAME	PART NUMBER
Battery	101536A
Chain	101280D
Fuel Cap	101613A
Fuel Shut-Off Valve	100835B
Fuel Strainer	100836B
Funnel, Long	102126C
Handle Bar, Long	102292B
Handle Locking Pin	101739C
Handle Pivot Bracket	102293B
Rubber Handle Grip	102290A
Rubber Stopper with Bushing	102297A
Spark Arrestor with Screws, Large	102119A
Support Leg	102298C
Wheel, 10" Diameter	100844C

HW7000EH Maintenance Parts List

For part numbers of replacement product labels, see page 3 and page 4.

Northshore Power Systems, LLC

4425 N. Port Washington Road
Suite 105
Milwaukee, WI 53212-1082 USA
1-888-HWHELP1 (494-3571)

www.honeywellgenerators.com

P/N 101539E

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