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OWNER'S PLEASE READ THIS MANUAL CAREFULLY. IT CONTAINS IMPORTANT SAFETY INFORMATION. MANUAL

Gasoline Gerenerator

AC-3500

Thank you for purchasing an AMICO generator. We want to help you get the best results from your new generator and to operate it safely. This manual contains the information on how to do that, please read it carefully. This owner's manual describes the operation and maintenance of the AMICO Generator. All information in this publication is based on the latest product information available at the time of printing. AMICO International Corp. reserves the right to make changes at any time without notice and without incurring any obligation. No part of this publication may be reproduced without written permission.

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

Safety Messages

Your safety and the safety of others are very important. We have provided important safety messages in this manual and on the generator. Please read these messages carefully.

A safety message alerts you to potential hazards that could hurt you or others. Each safety message is preceded by a safety alert symbol  and one of three words; DANGER, WARNING, or CAUTION.

These mean;

 **DANGER**

You WILL be KILLED or SERIOUSLY HURT if you don't follow instructions.

 **WARNING**

You CAN be KILLED or SERIOUSLY HURT if you don't follow instructions.

 **CAUTION**

You CAN be HURT if you don't follow instructions.

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

Damage Prevention Messages

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

This word means;

NOTICE

Your generator or other property could be damaged if you don't follow instructions.

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

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SAFETY

SAFETY LABEL LOCATION

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

Read them carefully.

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



AC-3500		AMICO International Corp.																			
CAUTION ■ BE SURE TO FILL CRANKCASE WITH RECOMMENDED OIL BEFORE USING. FOR DETAILED EXPLANATION, SEE THE OWNER'S MANUAL.		<table><tr><td rowspan="4">AC</td><td>VOLTAGE</td><td>120V/240V</td></tr><tr><td>FREQUENCY</td><td>60Hz</td></tr><tr><td>RATED OUTPUT</td><td>3.0kVA</td></tr><tr><td>MAX.OUTPUT</td><td>3.3kVA</td></tr><tr><td rowspan="4">DC</td><td>PHASE</td><td>1</td></tr><tr><td>VOLTAGE</td><td>12V</td></tr><tr><td>CURRENT</td><td>8.3A</td></tr><tr><td>FUEL</td><td>GASOLINE (PETROL)</td></tr></table>	AC	VOLTAGE	120V/240V	FREQUENCY	60Hz	RATED OUTPUT	3.0kVA	MAX.OUTPUT	3.3kVA	DC	PHASE	1	VOLTAGE	12V	CURRENT	8.3A	FUEL	GASOLINE (PETROL)	WARNING 
AC	VOLTAGE	120V/240V																			
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DC	PHASE	1																			
	VOLTAGE	12V																			
	CURRENT	8.3A																			
	FUEL	GASOLINE (PETROL)																			



- Do not connect to a building's electrical system unless an isolation switch has been installed by a qualified electrician.



- Using a generator or electrical appliance in wet conditions, such as rain or snow, or near a pool or sprinkler system, or when your hands are wet, could result in electrocution. Keep the generator dry.



- Refuel in a well-ventilated area with the engine stopped.
Keep away from open fire, cigarettes, smoke, and sparks of any kind when refueling the generator or when near gasoline storage.



- Exhaust gas contains poisonous carbon monoxide.
Never run the generator in an enclosed area.
Be sure to provide adequate ventilation.

SAFETY INFORMATION

AMICO generators are designed to give safe and dependable service if operated according to instructions. Read and understand this owner's manual before operating your generator. You can help prevent accidents by being familiar with your generator's controls, and by observing safe operating procedures.

Operator Responsibility

- Know how to stop the generator quickly in case of emergency.
- Understand the use of all generator controls, output receptacles, and connections.
- Be sure that anyone who operates the generator receives proper instruction. Do not let children operate the generator without parental supervision.

Carbon Monoxide Hazards

- Exhaust contains poisonous carbon monoxide, a colorless and odorless gas. Breathing exhaust can cause loss of consciousness and may lead to death.
- If you run the generator in an area that is confined, or even partially enclosed, the air you breathe could contain a dangerous amount of exhaust gas. To keep exhaust gas from building up, provide adequate ventilation.

Electric Shock Hazards

- The generator produces enough electric power to cause a serious shock or electrocution if misused.
- Using a generator or electrical appliance in wet conditions, such as rain or snow, or near a pool or sprinkler system, or when your hands are wet, could result in electrocution. Keep the generator dry.
- If the generator is stored outdoors, unprotected from the weather, check all electrical components on the control panel, before each use. Moisture or ice can cause a malfunction or short circuit in electrical components which could result in electrocution.
- Do not connect to a building's electrical system unless an isolation switch has been installed by a qualified electrician.

Fire and Burn Hazards

- The exhaust system gets hot enough to ignite some materials.
 - Keep the generator at least 1 meter (3 feet) away from buildings and other equipment during operation
 - Do not enclose the generator in any structure.
 - Keep flammable materials away from the generator.
- The muffler becomes very hot during operation and remains hot for a while after stopping the engine. Be careful not to touch the muffler while it is hot. Let the engine cool before storing the generator indoors.
- Gasoline is extremely flammable and is explosive under certain conditions. Do not smoke or allow flames or sparks where the generator is refueled or where gasoline is stored. Refuel in a well ventilated area with the engine stopped.
- Fuel vapors are extremely flammable and may ignite after the engine has started. Make sure that any spilled fuel has been wiped up before starting the generator.

SERVICING OF GENERATOR

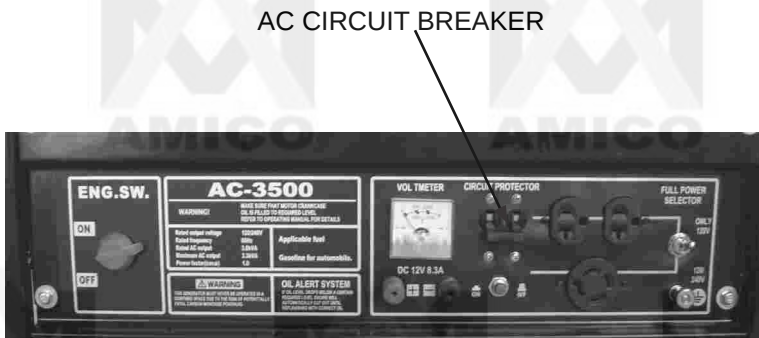
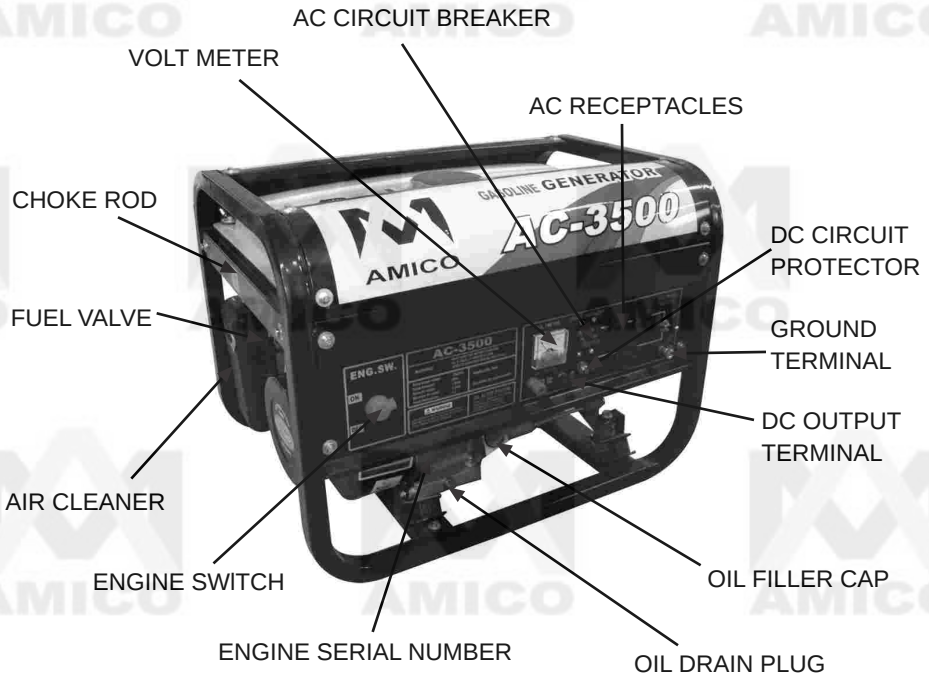
Record the frame serial for your reference. Refer to the serial number when ordering pads, and when making technical or warranty inquiries.

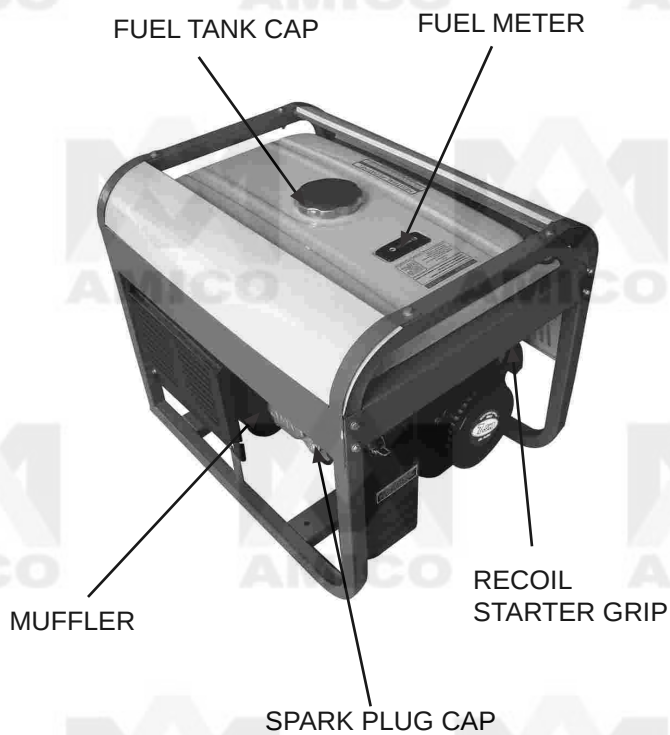
	Model	Serial No.
Generator	(1) _____	(2) _____
Engine		
Alternator	(3) _____	(4) _____
Date of Purchase	_____	
Name of Dealer	_____	

(To be filled in by purchaser)



COMPONENT IDENTIFICATION





CONTROLS

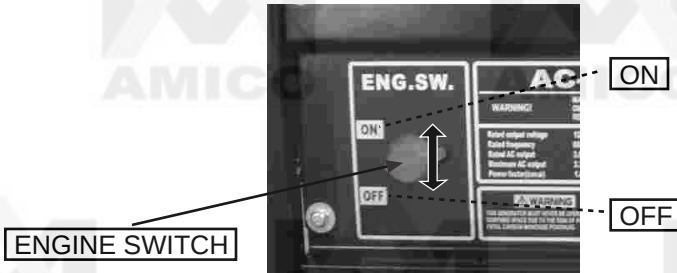
ENGINE SWITCH

To start and stop the engine.

Switch position:

OFF: To stop the engine.

ON: To run the engine after starting.



Return the key to the ON position once the engine has started. Do not use the starter for more than 5 seconds at a time. If the engine fails to start, release the switch and wait 10 seconds before operating the starter again.

RECOIL STARTER

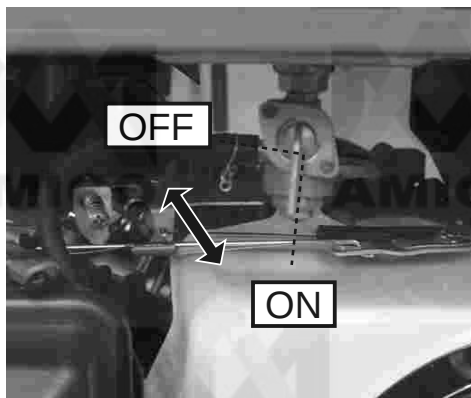
To start the engine, pull the starter grip lightly until resistance is felt, then pull briskly.

[NOTICE] Do not allow the starter to snap back against the engine.
Return it gently to prevent damage to the starter.



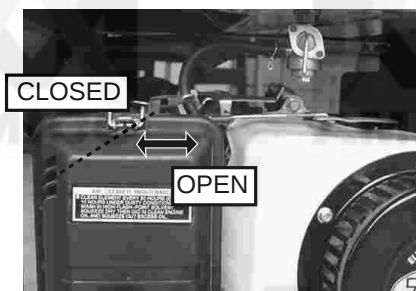
FUEL VALVE

The fuel valve is located between the fuel tank and carburetor. When the valve lever is in the ON position, fuel is allowed to flow from the fuel tank to the carburetor. Be sure to return the lever to OFF after stopping the engine.



CHOKE ROD

The choke is used to provide proper starting mixture when the engine is cold. It can be opened and closed by operating the choke rod manually. Pull the rod out toward CLOSED to enrich the mixture.



MODEL: AC-3500

CIRCUIT BREAKER

The circuit breaker will automatically switch OFF if there is a short circuit or a significant overload of the generator at the receptacle. If the circuit breaker is switched OFF automatically, check that the appliance is working properly and does not exceed the rated load capacity of the circuit before switching the circuit breaker ON again.



GROUND TERMINAL

The generator ground terminal is connected to the frame of the generator, the metal non-current carrying parts of the generator, and the ground terminals of each receptacle.(see next page)

OIL ALERT SYSTEM

The Oil Alert system is designed to prevent engine damage caused by an insufficient amount of oil in the crankcase. Before the oil level in the crankcase can fall below a safe limit, the Oil Alert system will automatically shut down the engine (the engine switch will remain in the ON position).

PILOT LAMP

The pilot lamp is illuminated when the generator is operating normally.

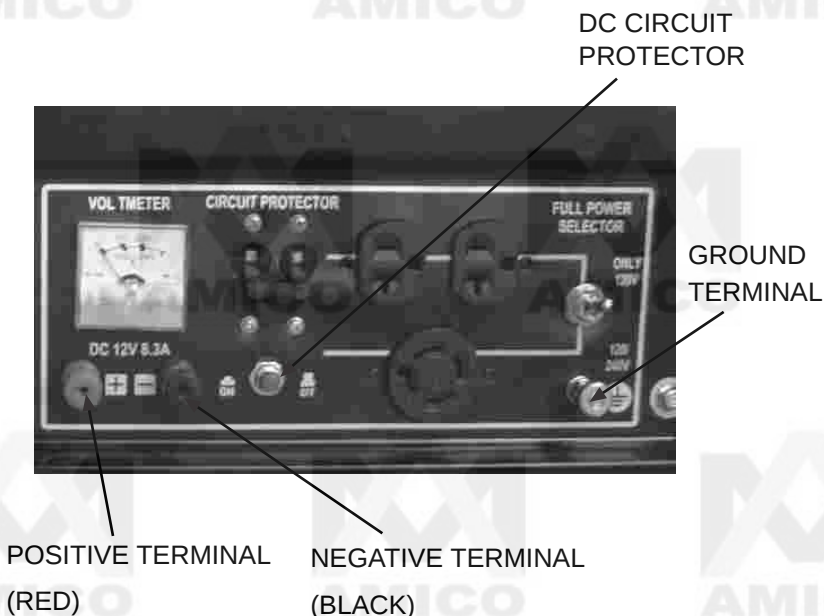
DC TERMINALS

The DC terminals may ONLY be used for charging 12 volt automotive type batteries.

The terminals are colored red to identify the positive(+) terminal and black to identify the negative(-) terminal. The battery must be connected to the generator DC terminals with the proper polarity (battery positive to generator red terminal and battery negative to the generator black terminal).

DC CIRCUIT PROTECTOR

The DC circuit protector automatically shuts off the DC battery charging circuit when the generator is overloaded, when there is a problem with the battery or the connections between the battery and the generator are improper.



GENERATOR USE

CONNECTIONS TO A BUILDING'S ELECTRICAL SYSTEM

Connections for standby power to a building's electrical system must be made by a qualified electrician. The connection must isolate the generator power from utility power, and must comply with all applicable laws and electrical codes.

⚠ WARNING Improper connections to a building's electrical system can allow electrical current from the generator to backfeed into the utility lines. Such backfeed may electrocute utility company workers or others who contact the lines during a power outage. Consult the utility company or a qualified electrician.

⚠ CAUTION Improper connections to a building's electrical system can allow electrical current from the utility company to backfeed into the generator. When utility power is restored, the generator may explode, burn, or cause fires in the building's electrical system.

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

GENERATOR GROUND CIRCUITS

AMICO portable generators have a system ground that connects generator frame components to the ground terminals in the AC output receptacles. The system ground is not connected to the AC neutral wire.

Local regulations, codes or laws may require that the ground system be connected to the AC neutral wire. If the generator is tested by a receptacle tester, it will not show the same ground circuit condition as for a home receptacle.

If local regulations, codes, or laws require the system ground to be connected to the AC neutral wire, consult a qualified electrician or electrical inspector. Provide him with the electrical wiring diagram in this manual.

The ground terminal can be used to earth the generator or bond the frame of the generator to the frame of a vehicle, but only if it is required by local law or electrical code. Before using the ground terminal consult a qualified electrician or electrical inspector for regulations in your area.

AC APPLICATIONS

Before connecting an appliance or power cord to the generator:

- Make sure that it is in good working order. Faulty appliances or power cords can create a potential for electrical shock.
- If an appliance begins to operate abnormally, becomes sluggish or stops suddenly, turn it off immediately. Disconnect the appliance, and determine whether the problem is the appliance, or if the rated load capacity of the generator has been exceeded.
- Make sure that the electrical rating of the tool or appliance does not exceed that of the generator. Never exceed the maximum power rating of the generator. Power levels between rated and maximum may be used for no more than a few minutes.

[NOTICE] Substantial overloading will open the circuit breaker. Exceeding the time limit for maximum power operation or slightly overloading the generator may not switch the circuit breaker OFF, but will shorten the service life of the generator.

Limit operation requiring maximum power to a few minutes.

Maximum power is referring to the following table.

For continuous operation, do not exceed the rated power.

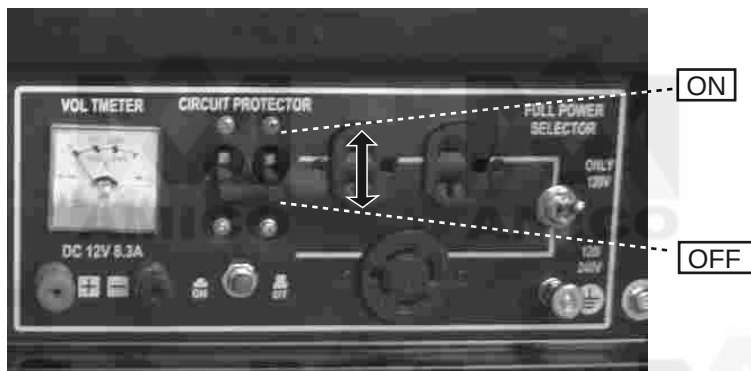
Rated power is referring to the following table.

MODELS	AC-3500
Rated Frequency(Hz)	60
Maximum Power(kVA)	3.3
Rated Power(kVA)	3.0

In either case, the total power requirements (VA) of all appliances connected must be considered. Appliance and power tool manufacturers usually list rating information near the model number or serial number.

AC OPERATION

1. Start the engine.
2. Switch the AC circuit breaker ON.



In case of the model (LD, D) equipped with volt change switch, turn volt change switch to the appropriate position before switch AC circuit breaker ON.

3. Plug the appliance into the appropriate AC receptacle.

Most motorized appliances require larger power than their rated wattage for startup.

Do not exceed the current limit specified for any one receptacle. If an overloaded circuit causes the AC circuit breaker to switch OFF, reduce the electrical load on the circuit, wait a few minutes and then reset the circuit breaker.

DC OPERATION

The DC terminals may ONLY be used for charging 12 volt automotive-type batteries.

Connecting the battery cables:

1. Before connecting charging cables to a battery that is installed in a vehicle, disconnect the vehicle's grounded battery cable.

⚠ WARNING The battery gives off explosive gases; Keep sparks, flames and cigarettes away. Provide adequate ventilation when charging or using batteries.

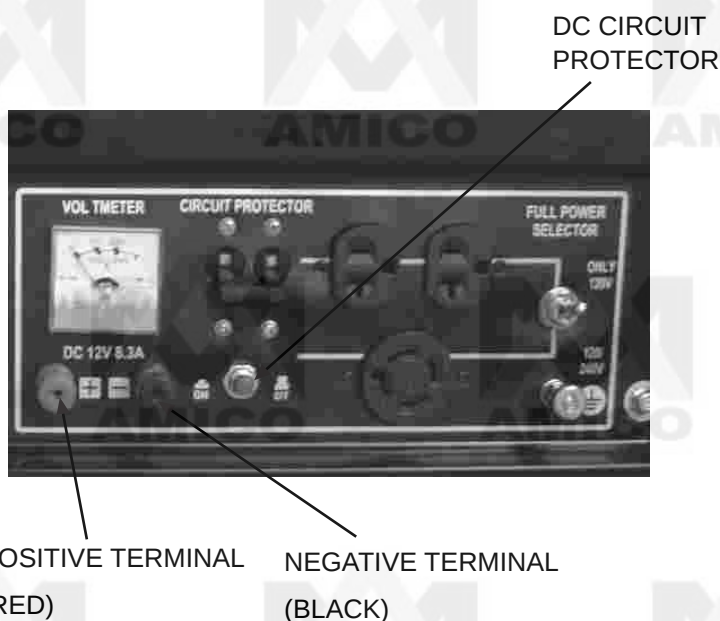
2. Connect the positive (+) battery cable to the battery positive (+) terminal.
3. Connect the other end of the positive (+) battery cable to the generator positive (+) terminal.
4. Connect the negative (-) battery cable to the battery negative (-) terminal.
5. Connect the other end of the negative (-) battery cable to the generator negative (-) terminal.
6. Start the generator.

NOTICE Do not start the vehicle while the battery charging cables are connected and the generator is running. The vehicle or the generator may be damaged.

An overloaded DC circuit, excessive current draw by the battery, or a wiring problem will trip the DC circuit protector (PUSH button extends out). If this happens, wait a few minutes before pushing in the circuit protector to resume operation. If the circuit protector continues to go OFF, discontinue charging and see your authorized AMICO generator dealer.

Disconnecting the battery cables:

1. Stop the engine.
2. Disconnect the negative (-) battery cable from the generator negative (-) terminal.
3. Disconnect the other end of the negative (-) battery cable from the battery negative (-) terminal.
4. Disconnect the positive (+) battery cable from the generator positive (+) terminal.
5. Disconnect the other end of the positive (+) battery cable to the battery positive (+) terminal.
6. Connect the vehicle ground cable to the battery negative (-) terminal.
7. Reconnect the vehicle grounded battery cable.



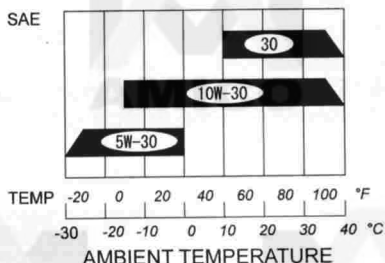
PRE-OPERATION CHECK

ENGINE OIL

NOTICE

- Engine oil is a major factor affecting engine performance and service life. Non-detergent oils and 2-stroke engine oils are not recommended because they have inadequate lubricating characteristics.
- Check the oil level BEFORE EACH USE with the engine on a level surface and the engine stopped.

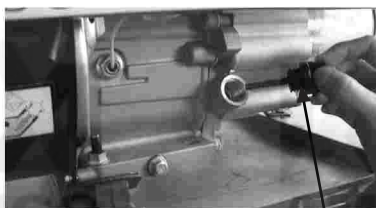
Use 4-stroke motor oil that meets or exceeds the requirements for API service classification SF or SG. Always check the API SERVICE label on the oil container to be sure it includes the letters SF or SG.



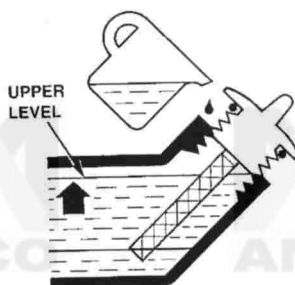
SAE 10W-30 is recommended for general use. Other viscosities shown in the chart may be used when the average temperature in your area is within the indicated range.

Other viscosities shown in the chart may be used when the average temperature in your area is within the indicated range.

1. Place the engine on a level surface.
2. Remove the dipstick and wipe it clean.
3. Fully insert the dipstick, then remove it to check the oil level.
4. If the oil level is near or below the lower limit mark on the dipstick, remove the oil filler cap, and fill with the recommended oil to the upper limit mark.
5. Reinstall the filler cap with dipstick.



FILLER CAP



REFUELING

Fuel tank capacity

MODEL	AC-3500
TANK CAPACITY(L)	15

Check the fuel level gauge, and refill the tank if the fuel level is low.

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

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

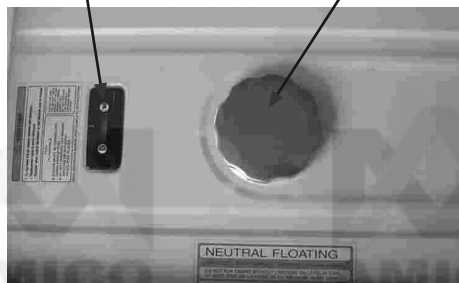
Refuel in a well-ventilated area before starting the engine. If the engine has been running, allow it to cool. Refuel carefully to avoid spilling. Do not fill above the shoulder of the fuel strainer. After refueling, tighten the fuel tank cap securely.

Never refuel the generator inside a building where gasoline fumes may reach flames or sparks. Keep gasoline away from appliance pilot lights, barbecues, electric appliances, power tools, etc.

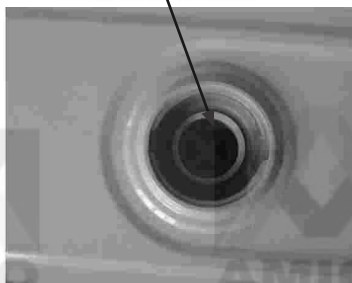
Spilled fuel is not only a fire hazard, it causes environmental damage. Wipe up spills immediately.

LEVEL GAUGE

FUEL TANK CAP



Do not fill above fuel strainer shoulder.



Fuel Recommendation

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

This engine is certified to operate on unleaded gasoline.

Unleaded gasoline produces fewer engine and spark plug deposits and extends exhaust system life.

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

Occasionally you may hear light "spark knock" or "pinging" (metallic rapping noise) while operating under heavy loads. This is no cause for concern.

If spark knock or pinging occurs at a steady engine speed, under normal load, change brands of gasoline. If spark knock or pinging persists, see an authorized AMICO generator dealer.

NOTICE

Running the engine with persistent spark knock or pinging can cause engine damage.

Running the engine with persistent spark knock or pinging is misuse, and the Distributor's Limited Warranty does not cover parts damaged by misuse.

OXYGENATED FUELS

Some conventional gasoline are being blended with alcohol or an ether compound. These gasoline are collectively referred to as oxygenated fuels. To meet clean air standards, some areas of the United States use oxygenated fuels to help reduce emissions.

If you use an oxygenated fuel, be sure it is unleaded and meets the minimum octane rating requirement.

Before using an oxygenated fuel, try to confirm the fuel's contents. Some states/provinces require this information to be posted on the pump.

ETHANOL- (ethyl or grain alcohol) 10% by volume

You may use gasoline containing up to 10% ethanol by volume. Gasoline containing ethanol may be marketed under the name "Gasohol".

MTBE- (methyl tertiary butyl ether) 15% by volume

You may use gasoline containing up to 15% MTBE by volume.

METHANOL- (methyl or wood alcohol) 5% by volume

You may use gasoline containing up to 5% methanol by volume as long as it also contains solvents and corrosion inhibitors to protect the fuel system. Gasoline containing more than 5% methanol by volume may cause starting and/or performance problems. It may also damage metal, rubber, and plastic parts of your fuel system.

If you notice any undesirable operating symptoms, try another service station or switch to another brand of gasoline.

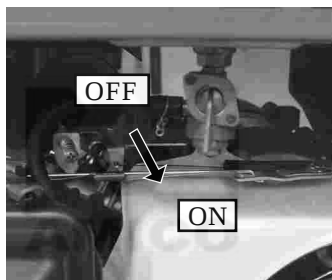
Fuel system damage or performance problems resulting from the use of an oxygenated fuel containing more than the percentages of oxygenates mentioned above are not covered under warranty.

STARTING THE ENGINE

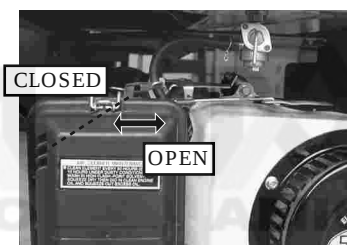
MANUAL START

1. Make sure that disconnect all electrical loads from panel receptacles.
The generator may be hard to start if a load is connected.

2. Turn the fuel valve to the ON position.



3. If you want to start operate the choke manually, move the choke rod out to the CLOSED position.

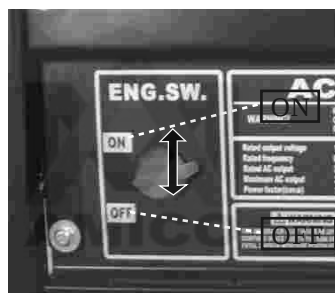


4. Start the engine

With recoil starter:

Turn the engine switch to the ON position.

Pull the starter grip lightly until resistance is felt, then pull briskly.



NOTICE DO not allow the starter grip to snap back against the engine. Return it gently to prevent damage to the starter or housing.

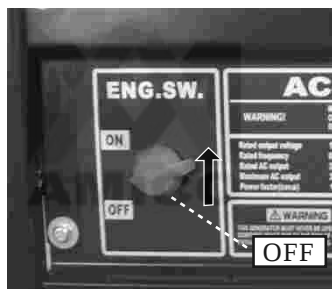
5. If you have manually closed the choke, move it to the OPEN position as the engine warms up.



STOPPING THE ENGINE

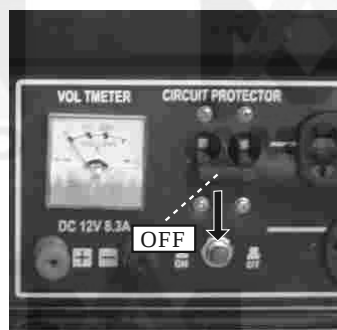
IN AN EMERGENCY:

1. To stop the engine in an emergency, turn the engine switch to the OFF position.



IN NORMAL USE:

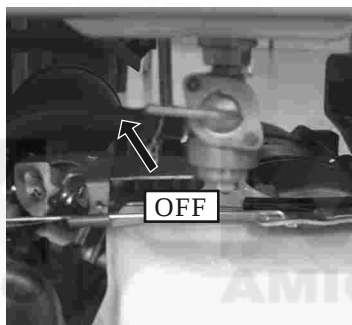
1. Turn the AC circuit breaker to the OFF position.



2. Disconnect all electrical loads from panel receptacles.

Disconnect DC battery charging cables.

3. Turn the engine switch to the OFF position.
4. Turn the fuel valve to the OFF position.



MAINTENANCE

Periodic maintenance and adjustment is necessary to keep the generator in good operating condition. Perform the service and inspection at the intervals shown in the Maintenance schedule below.

⚠ WARNING Exhaust gas contains poisonous carbon monoxide.

Shut off the engine before performing any maintenance, if the engine must be run, make sure the area is well ventilated.

NOTICE Use only genuine AMICO parts or their equivalent for maintenance or repair. Replacement parts which are not of equivalent quality may damage the generator.

MAINTENANCE SCHEDULE

REGULAR SERVICE PERIOD Performed at every indicated month or operating hour interval, whichever comes first.		Each use	First month or 20 Hrs. (3)	Every 3 months or 50 Hrs. (3)	Every 6 months or 100 Hrs. (3)	Every year or 300 Hrs. (3)
ITEM						
Engine oil	Check level	○				
	Change		○		○	
Air cleaner	Check	○				
	Clean			○(1)		
Sediment Cup	Clean				○	
Spark plug	Check-Clean				○	
Valve clearance	Check-Adjust					○(2)
Fuel tank and strainer	Clean					○(2)
Fuelline	Check (Replace if necessary)	Every 2 years (2)				

- (1) Service more frequently when used in dusty areas.
- (2) These items should be serviced by an authorized AMICO generator dealer, unless the owner has the proper tools and is mechanically proficient. See the AMICO Shop Manual.
- (3) For professional commercial use, log hours of operation to determine proper maintenance intervals.

ENGINE OIL CHANGE

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

1. Remove the drain plug and sealing washer, oil filler cap, and drain the oil.
2. Reinstall the drain plug and sealing washer. Tighten the plug securely.
3. Refill with the recommended oil and check the level.

Oil capacity:

MODEL	AC-3500
OIL CAPACITY(L)	0.6

OIL DRAIN PLUG



⚠ CAUTION Used motor oil may cause skin cancer if repeatedly left in contact with the skin for prolonged periods. Although this is unlikely unless you handle used oil on a daily basis, it is still advisable to thoroughly wash your hands with soap and water as soon as possible after handling used oil.

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

AIR CLEANER SERVICE

A dirty air cleaner will restrict air flow to the carburetor. To prevent carburetor malfunction, service the air cleaner regularly. Service more frequently when operating the generator in extremely dusty areas.

⚠ WARNING Using gasoline or flammable solvent to clean the filter element can cause a fire or explosion. Use only soapy water or nonflammable solvent.

NOTICE Never run the generator without the air cleaner. Rapid engine wear will result.

1. Unsnap the air cleaner cover clips, remove the air cleaner cover, and remove the element.

2. Wash the element in a solution of household detergent and warm water, then rinse thoroughly; or wash in nonflammable or high flash point solvent. Allow the element to dry thoroughly.

3. Soak the element in clean engine oil and squeeze out the excess oil. The engine will smoke during initial start-up if too much oil is left in the element.

4. Reinstall the air cleaner element and the cover.

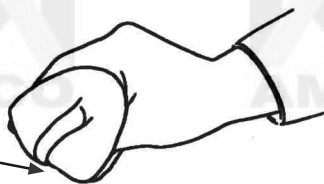
AIR CLEANER COVER CLIP



CLIP AIR CLEANER ELEMENT



ELEMENT

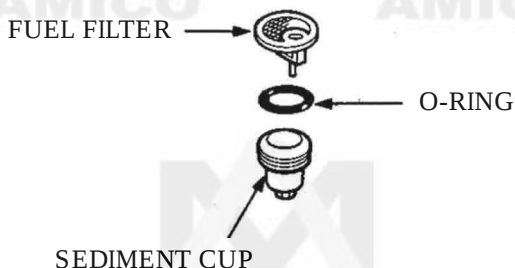
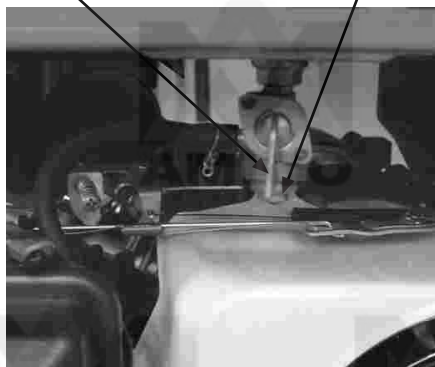


FUEL SEDIMENT CUP CLEANING

The sediment cup prevents dirt or water which may be in the fuel tank from entering the carburetor. If the engine has not been run for a long time, the sediment cup should be cleaned.

1. Turn the fuel valve to the OFF position. Remove the sediment cup, O-ring, and filter.
2. Clean the sediment cup, O-ring, and filter in nonflammable or high flash point solvent.
3. Reinstall the filter, O-ring, and sediment cup.
4. Turn the fuel valve ON and check for leaks.

FUEL VALVE SEDIMENT CUP



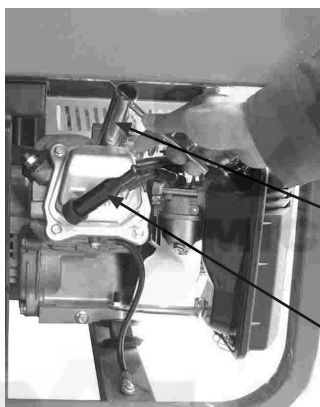
SPARK PLUG SERVICE

Recommended Spark Plugs:

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

If the engine has been running, the muffler will be very hot. Be careful not to touch the muffler.

1. Remove the spark plug cap.
2. Clean any dirt from around the spark plug base.
3. Use the wrench supplied in the tool kit to remove the spark plug.

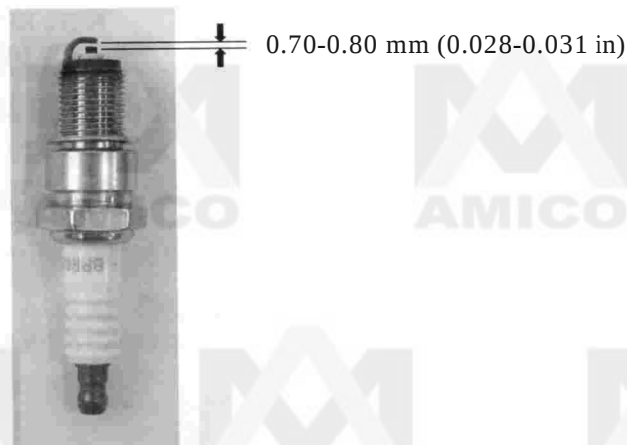


4. Visually inspect the spark plug. Discard it if the insulator is cracked or chipped. Clean the spark plug with a wire brush if it is to be reused.

5. Measure the plug gap with a feeler gauge.

Correct as necessary by carefully bending the side electrode.

The gap should be: 0.70-0.80 mm (0.028-0.031 in)



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

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

- If installing a new spark plug, tighten 1/2 turn after the spark plug seats to compress the washer. If reinstalling a used spark plug, tighten 1/8-1/4 turn after the spark plug seats to compress the washer.

NOTICE The spark plug must be securely tightened. An improperly tightened spark plug can become very hot and could damage the engine.

Never use spark plugs which have an improper heat range. Use only the recommended spark plugs or equivalent.

TRANSPORTING AND STORAGE

When transporting the generator, turn the engine switch and the fuel valve OFF. Keep the generator level to prevent fuel spillage. Fuel vapor or spilled fuel may ignite.

⚠ WARNING Contact with a hot engine or exhaust system can cause serious burns or fires. Let the engine cool before transporting or storing the generator.

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

Before storing the unit for an extended period:

1. Be sure the storage area is free of excessive humidity and dust.
2. Service according to the table below:

STORAGE TIME	RECOMMENDED SERVICE PROCEDURE TO PREVENT HARD STARTING
Less than 1 month	No preparation required
1 to 2 months	Fill with fresh gasoline and add gasoline conditioner*.
2 months to 1 year	Fill with fresh gasoline and add gasoline conditioner*. Drain the carburetor float bowl. Drain the fuel sediment cup.
1 year or more	Fill with fresh gasoline and add gasoline conditioner*. Drain the carburetor float bowl. Drain the fuel sediment cup. Remove the spark plug. Put a tablespoon of engine oil into the cylinder. Turn the engine slowly with the pull rope to distribute the oil. Reinstall the spark plug. Change the engine oil After removal from storage, drain the stored gasoline into a suitable container, and fill with fresh gasoline before starting.
* Use gasoline conditioners that are formulated to extend storage life. Contact your authorized AMICO generator dealer for conditioner recommendations.	

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1. Drain the carburetor by loosening the drain screw. Drain the gasoline into a suitable container.

⚠ WARNING Gasoline is extremely flammable and is explosive under certain conditions. Perform this task in a well ventilated area with the engine stopped. Do not smoke or allow flames or sparks in the area during this procedure.



DRAIN SCREW

2. Change the engine oil.
3. Remove the spark plug, and pour about a tablespoon of clean engine oil into the cylinder. Crank the engine several revolutions to distribute the oil, then reinstall the spark plug.
4. Slowly pull the starter grip until resistance is felt. At this point, the piston is coming up on its compression stroke and both the intake and exhaust valves are closed. Storing the engine in this position will help to protect it from internal corrosion.



Align the notch on the starter pulley with the hole at the top of recoil starter.

TROUBLESHOOTING

When the engine will not start:

Is there fuel in the tank?

No

Refill the fuel tank.

Yes

Is there enough oil in the engine

No

Add the recommended oil.

Yes

Is there a spark from the spark plug?

No

Replace the spark plug.

Take the generator to an authorized AMICO generator dealer.

⚠ WARNING Be sure there is no spilled fuel around the spark plug. Spilled fuel may ignite.

To check:

- 1) Remove the spark plug cap and clean any dirt from around the spark plug.
- 2) Remove the spark plug and install the spark plug in the plug cap.
- 3) Set the plug side electrode on the cylinder head.
- 4) Crank the engine, sparks should jump across the gap.



Yes

Is the fuel reaching the carburetor?

No

Clean the fuel sediment cup.

Yes

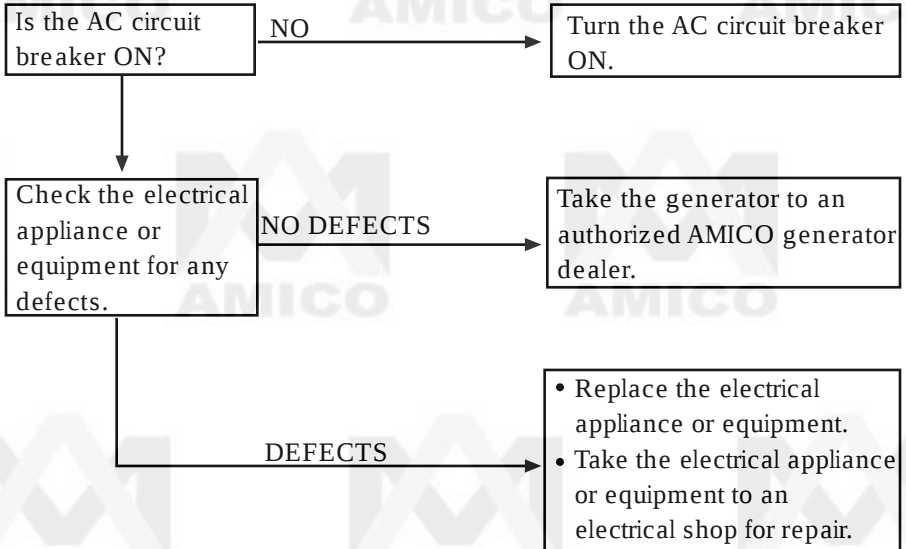
If the engine still does not start, take the generator to an authorized AMICO generator dealer.
DRAIN SCREW

To check:

- 1) Turn off the engine switch and loosen the drain screw.
- 2) Fuel should flow from the drain when the engine switch is turned on.



No electricity at the AC receptacles:



SPECIFICATIONS

MODELS			AC-3500		
ENGINE					
Models			AHG170F		
Displacement		cc	207		
Maximum output	3600rpm	PS	7.0		
Ignition system			Transistor		
Oil alert system			YES		
Starting system			Recoil		
GENERATOR					
Type			Self-exciting,2-pole,field rotating type		
Voltage regulation system			Capacitor		
Phase			Single		
AC output	Rated	Kw	3.0		
	Maximum		3.3		
Rated frequency		Hz	60		
Rated voltage		V	120V/240V		
DC output			12V-8.3A		
Rated power factor		cosΦ	1.0		
OTHERS					
Fuel tank capacity		L	15		
Dimension	Length	mm	615		
	Width		470		
	Height		515		
Weight		Kg	48		

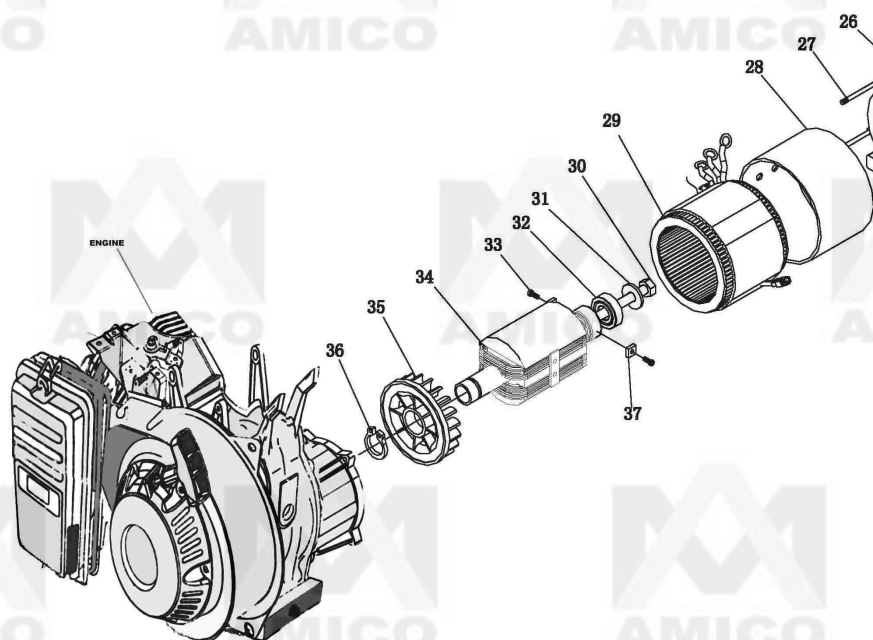
*This specification shows the value in a standard condition,

<Standard conditions; ISO 3046-1>

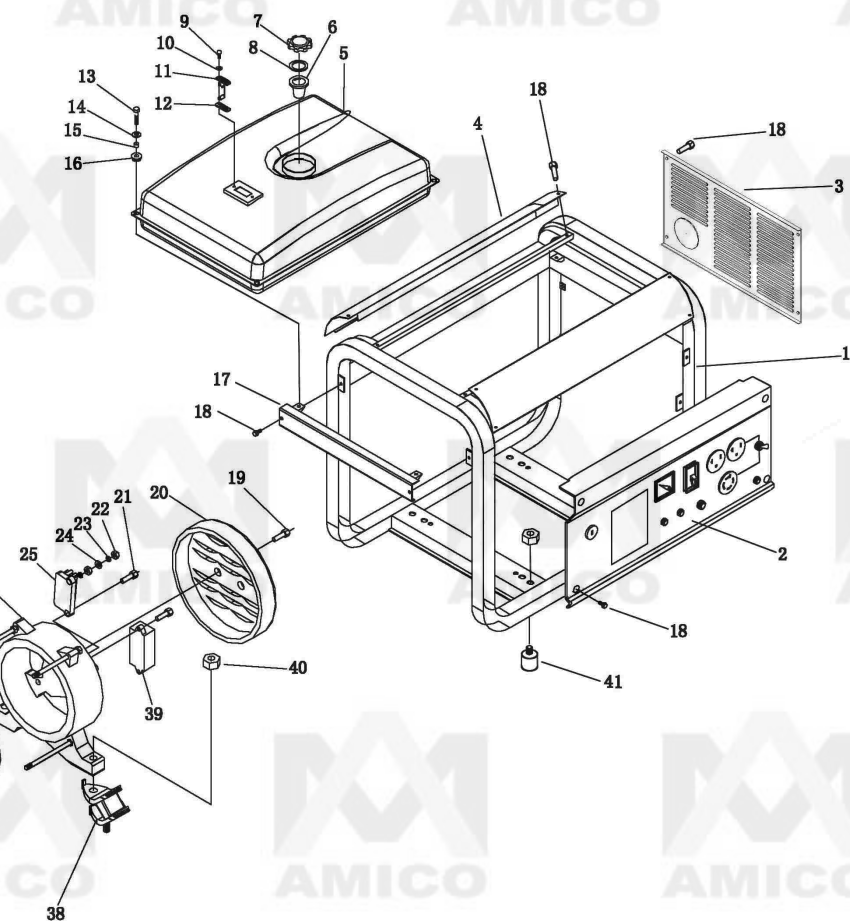
- ambient air pressure; 100kpa
- ambient temperature; 25uC
- relative humidity; 30%

*A generator output changes with atmosphere conditions and altitudes,

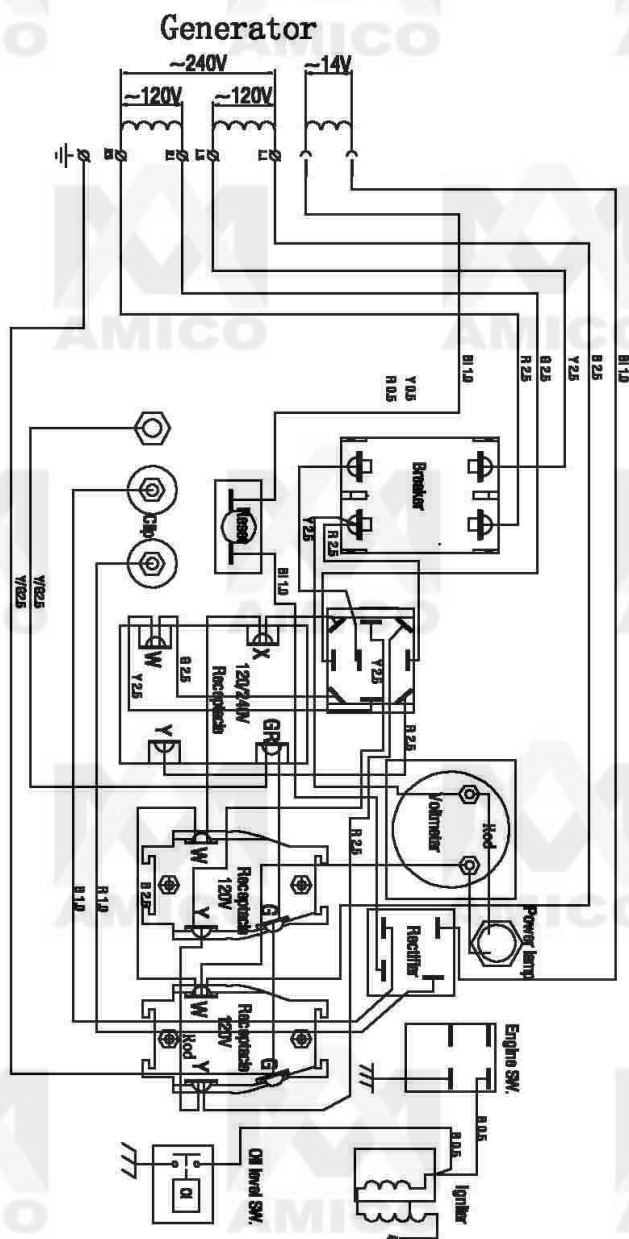
NOTE: Specifications are subject to change without notice.



DETAIL DIAGRAM



Number	Part Description	Quantity	Part Number
1	Frame	1	AC-3500 001
2	Panel	1	AC-3500 002
3	Sides Guard Shield	4	AC-3500 003
4	Arc Board	2	AC-3500 004
5	Fuel Tank	1	AC-3500 005
6	Net Cup	1	AC-3500 006
7	Fuel Tank Cover	1	AC-3500 007
8	Fuel Tank Cover Seal Packing Collar	1	AC-3500 008
9	M5X8 Half Bolt	2	AC-3500 009
10	Plain Cushion	2	AC-3500 010
11	Fuel Meter	1	AC-3500 011
12	Fuel Meter Rubber Pad	1	AC-3500 012
13	M6X25 Bolt	4	AC-3500 013
14	Φ 6 Big Side Plain Cushion	4	AC-3500 014
15	Bush	4	AC-3500 015
16	Fuel Tank Antirattler	4	AC-3500 016
17	Sad Board	1	AC-3500 017
18	M6X12 Bolt	4	AC-3500 018
19	M6X8 Bolt	2	AC-3500 019
20	Alternator Back Cowl	1	AC-3500 020
21	M6X12 Bolt	2	AC-3500 021
22	M5 Nut	2	AC-3500 022
23	Φ 5 Ball Pad	2	AC-3500 023
24	Φ 5 Plain Cushion	2	AC-3500 024
25	Patch Bay	1	AC-3500 025
26	Alternator Back Cover	1	AC-3500 026
27	Nearby Stator Bolt	3	AC-3500 027
28	Electrical Machinery Guard Shield	1	AC-3500 028
29	Stator	1	AC-3500 029
30	Alternator Center Bolt	1	AC-3500 030
31	Φ 10 Big Side Plain Cushion	1	AC-3500 031
32	Bearing	1	AC-3500 032
33	Bolt	1	AC-3500 033
34	Rotor	1	AC-3500 034
35	Fan Blade	1	AC-3500 035
36	The Axis Uses The Elastic Ring	1	AC-3500 036
37	Intergrating	1	AC-3500 037
38	Reduces Inspires The Pad	4	AC-3500 038
39	Capacitor	1	AC-3500 039
40	M8 Flange Bolt	4	AC-3500 040
41	Pedestal Pad	1	AC-3500 041



Limited Warranty

AMICO provides a one-year limited warranty for AMICO generators. All products covered by this limited warranty which are used in commercial applications are warranted to be free of defects in material and workmanship for 90 days from the date of original purchase. AMICO warrants to the original purchaser that the alternator and engine for its portable generator will be free from the defects in materials or workmanship for the items and period set forth below from the date of original purchase.

During warranty period, AMICO will repair or replace any part that, upon examination by AMICO, is found to be defective under normal use and service. Starting batteries are not warranted by AMICO. All transportation cost under warranty including return to the factory if necessary, are to be prepaid by the purchaser. All decisions of AMICO with regard to this limited warranty shall be final.

This warranty does not cover:

1. Merchandise sold as reconditioned, used as rental equipment, or floor or display models.
2. Merchandise that has become damaged or inoperative because of ordinary wear, misuse, cold, heat, rain, excessive humidity, freeze damage, use of improper chemicals, negligence, accident, over loading, over speeding, improper maintenance, the use of accessories or attachments not recommended by AMICO, or unauthorized repair or alterations.
3. Expendable parts or accessories supplied with the product which are expected to become inoperative or unusable after a reasonable period of use.
4. Any incidental, indirect or consequential loss, damage, or expense that may result from any defects, failure or malfunction of the products is not covered by this warranty.

For service, please e-mail to or fax to 562-908-1899, Warranty service can be performed only by AMICO authorized service facility. This warranty will not apply to service at any other facility. At the time of requesting warranty service, evidence of original purchase date must be presented.

PRODUCT REGISTRATION CARD

For more efficient customer service, please fill out the information below and mail to our produce Warranty and Registration Division:

Amico International Corp.
4825 Gregg Road,
Pico Rivera, CA 90660, U.S.A
Tel: 562-908-0088 Fax: 562-908-1899
Website: www.amicousa.com

Model No. _____ Engine Serial No. _____ Purchase Date. ____ / ____ / ____

Purchased from: ☐ Retail location ☐ Private Consumer ☐ Other _____

Name _____

Address _____

Telephone w/area code _____ Purchase Price _____

Purchased: ☐ NEW or ☐ USED

Consumer information :

Name _____ Telephone w/area code _____

Address _____ Suite or Apt No. _____

City _____ State _____ Zip Code _____

Country _____

Are you a: ☐ Business or ☐ Residence

Product Usage Information :

How often will you use this product?

☐ Everyday

☐ Periodically

☐ Emergency use only

☐ Other _____

What type of application will you use this produce in ?

☐ Heavy Commercial

☐ Moderate Commercial

☐ Light Commercial

☐ Tradeshows

☐ Heavy residential

☐ Moderate Residential

☐ Light Residential

☐ Camping, backpacking

☐ Other _____

IMPORTANT INFORMATION

It is critical to your warranty that the original point of sales receipt be retained by current consumer, and in order to comply with our product Warranty Statement you must return this registration card within 15 days of original purchase. Product warranty is valid from original date of purchase.

List for comments from users

		Date of Manufacture	
Name of user		Model Number	
Address of user		Occupation	
Place of purchase			
Packaging conditions			
Operating conditions			
Parts Conditions			
Malfunction problem			
Opinions or suggestions			

Note: Please mail the above card to:
Amico International Corp.
4825 Gregg Road,
Pico Rivera, CA 90660, U.S.A
Tel: 562-908-0088 Fax: 562-908-1899
Website: www.amicousa.com

Appendix:

1. Attached list of tools, fittings, and subassemblies

Order No.	Name	Qty	Remarks
	OHV 4-Stroke Air-cooled Gasoline Generator Set	1	
	Kit	1	
	Plastic cover	1	

2. Attached technical documents

Order No.	Name	Qty	Remarks
1	OHV 4-Stroke Air-cooled Gasoline Generator Manual	1	
2	Gasoline engine instruction manual	1	
3	Certificate of Quality	1	
4	Packing List	1	