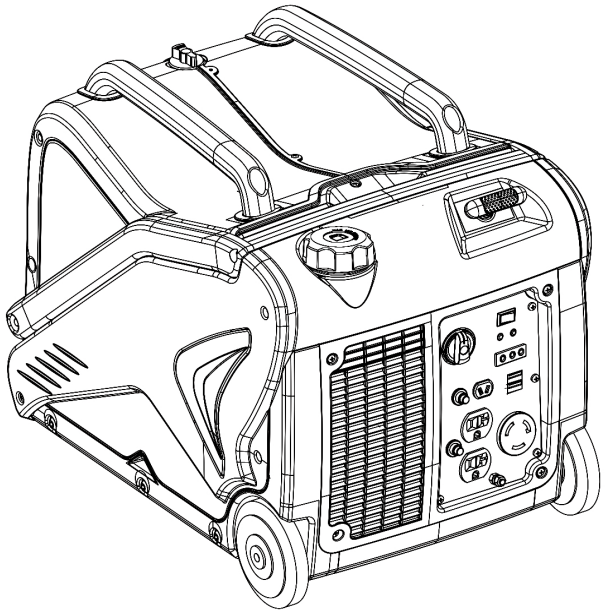
3100W INVERTER GENERATOR



Model # 56310i

bit.ly/WENvideo

IMPORTANT:

Your new tool has been engineered and manufactured to WEN's highest standards for dependability, ease of operation, and operator safety. When properly cared for, this product will supply you years of rugged, trouble-free performance. Pay close attention to the rules for safe operation, warnings, and cautions. If you use your tool properly and for intended purpose, you will enjoy years of safe, reliable service.

NEED HELP? CONTACT US!

Have product questions? Need technical support?
Please feel free to contact us at:

800-232-1195 (M-F 8AM-5PM CST)

techsupport@wenproducts.com

WENPRODUCTS.COM

TABLE OF CONTENTS

Generator Identification 3
Service Record 3
Introduction 4
Safety Information 4
General Safety Procedures 5
Important Safety Instructions 6
Generator Components 7
Generator Preperation 8
Starting the Generator 10
Stopping the Generator 12
Subsequent Starting of the Generator 12
Using the Generator 14
Maintenance & Care 16
Storage & Transport 20
Specifications 21
Troubleshooting 22
Exploded View and Parts List 23
Wiring Diagram 38
Warranty Statement 39

GENERATOR IDENTIFICATION

If assistance for information or service is required, please contact the Customer Service Help Line by calling 800-232-1195; customer will be asked to provide generator information when calling.

Refer to the illustration below for the location of the serial number. Record generator information in the spaces provided below.

DATE OF PURCHASE: _____
PURCHASED FROM: _____
GENERATOR MODEL NUMBER: _____
ENGINE SERIAL NUMBER: _____

SERVICE RECORD

Record Service Dates:

	Date	Date	Date	Date	Date	Date
Change Oil						
Change Spark Plug						
Clean Fuel Tank						
Clean Air Cleaner						

INTRODUCTION

Thank You for Purchasing a WEN® Product. This manual provides information regarding the safe operation and maintenance of this product. Every effort has been made to ensure the accuracy of the information in this manual. WEN® reserves the right to change this product and specifications at any time without prior notice.

Please keep this manual available to all users during the entire life of the generator.

This manual contains special messages to bring attention to potential safety concerns, generator damage as well as helpful operating and servicing information. Please read all the information carefully to avoid injury and machine damage.

QUESTIONS? PROBLEMS?

In order to answer questions and solve problems in the most efficient and speedy manner, contact Customer Service at (800) 232-1195, M-F 8-5 CST

NOTICE REGARDING EMISSIONS

Engines that are certified to comply with U.S. EPA emission regulations for SORE (Small Off Road Equipment), are certified to operate on regular unleaded gasoline, and may include the following emission control systems: (EM) Engine Modifications and (TWC) Three-Way Catalyst (if so equipped).

SAFETY INFORMATION

Before operating this generator read and observe all warnings, cautions, and instructions on the generator and in this Owner's Manual.

NOTE: The following safety information is not meant to cover all possible conditions and situations that may occur. Read the entire Owner's Manual for safety and operating instructions. Failure to follow instructions and safety information could result in serious injury or death.

This safety alert symbol is used to identify safety information about hazards that can result in personal injury.

A signal word (DANGER, WARNING, or CAUTION) is used with the alert symbol to indicate the likelihood and the potential severity of injury. In addition, a hazard symbol may be used to represent the type of hazard.

DANGER indicates a hazard, which, if not avoided, will result in death or serious injury.

WARNING indicates a hazard, which, if not avoided, could result in death or serious injury.

CAUTION indicates a hazard, which, if not avoided, might result in minor or moderate injury.

CAUTION when used without the alert symbol, indicates a situation that could result in damage to the engine or generator.

GENERAL SAFETY PROCEDURES

For any questions regarding the hazard and safety notices listed in this manual or on the product, please call (800) 232-1195 M-F 8-5 CST before using the generator.

DANGER: CARBON MONOXIDE

Using a generator indoors CAN KILL YOU IN MINUTES. Generator exhaust contains carbon monoxide (CO). This is a poison 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.

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 outside and far away from windows, doors, and vents. These openings can pull in generator exhaust.

Even if you use a generator correctly, CO may leak into the home. ALWAYS use a battery-powered or battery-backup CO alarm in the home. 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 may have carbon monoxide poisoning.

WARNING: The exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

WARNING: This generator may emit highly flammable and explosive gasoline vapors, which can cause severe burns or even death if ignited. A nearby open flame can lead to explosion even if it isn't directly in contact with gasoline.

- Do not operate near open flame.
- Do not smoke near generator.
- Always operate on a firm, level surface.
- Always turn generator off before refueling. Allow generator to cool for at least 2 minutes before removing fuel cap. Loosen cap slowly to relieve pressure in tank.
- Do not overfill fuel tank. Gasoline may expand during operation. Do not fill to the top of the tank. Allow for expansion.
- Always check for spilled fuel before operating.
- Empty fuel tank before storing or transporting the generator.

WARNING: This generator produces powerful voltage, which can result in electrocution.

- ALWAYS ground the generator before using it (see the "Ground the Generator" portion of the "GENERATOR PREPARATION" section).
- Generator should only be plugged into electrical devices, either directly or with an extension cord. NEVER connect to a building electrical system without a qualified electrician. Such connections must comply with local electrical laws and codes. Failure to comply can create a back-feed, which may result in serious injury or death to utility workers.
- Use a ground fault circuit interrupter (GFCI) in highly conductive areas such as metal decking or steel work. GFCIs are available in-line with some extension cords.
- Do not use in rainy conditions.
- Do not touch bare wires or receptacles (outlets).
- Do not allow children or non-qualified persons to operate.

GENERAL SAFETY PROCEDURES

WARNING: This generator produces heat when running. Temperatures near exhaust can exceed 150^0 F (65^0 C).

Do not touch hot surfaces. Pay attention to warning labels on the generator identifying hot parts of the machine.

Allow generator to cool down after use before touching engine or areas of the generator that become hot during use.

CAUTION: Misuse of this generator can damage it or shorten its life.

Only use generator for its intended purposes.

Operate only on dry, level surfaces.

Allow generator to run for several minutes before connecting electrical devices.

Shut off and disconnect any malfunctioning devices from generator.

Do not exceed the wattage capacity of the generator by plugging in more electrical devices than the unit can handle.

Do not turn on electrical devices until after they are connected to the generator.

Turn off all connected electrical devices before stopping the generator.

Turn the engine switch to "OFF" position when the engine is not running.

IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS – This manual contains important instructions for the WEN inverter generator that should be followed during installation and maintenance of the generator.

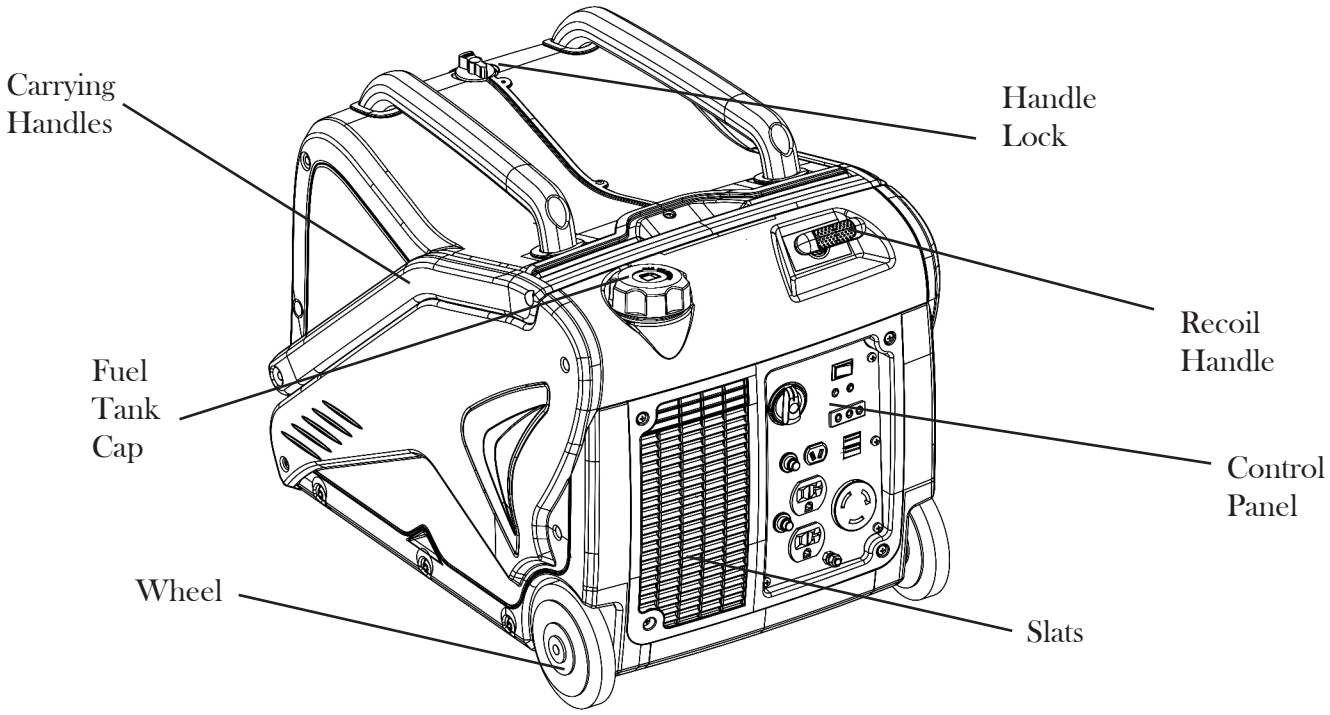
Generators vibrate in normal use. During and after the use of the generator, inspect botht he generator as well as extension and power supply cords for damage resulting from vibration. Have damaged items repaired or replaced as necessary. Do not use plugs or cords that show signs of damage such as broken 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 of the components, possibly leading to a generator failure.

WARNING: If this generator is used as a supply for a building's wiring system, the generator must be installed by a qualified electrician and connected to a transfer switch as a separately derived system in accordance with the National Electrical Code, NFPA 70. The generator shall be connected to a transfer switch that switches all conductors excluding the equipment grounding conductor. The frame of the generator shall be connected to an approved grounding electrode.

GENERATOR COMPONENTS

Use the illustrations below to become familiar with the locations and functions of the various components and controls of this generator.



GENERATOR PREPARATION

USING THE GENERATOR FOR THE FIRST TIME

The following section describes steps necessary to prepare the generator for use. If after reading this section, you are unsure about how to perform any of the steps please call (800) 232-1195 M-F 8-5 CST for customer service. Failure to perform these steps properly can damage the generator or shorten its life.

Step 1 - ADD OIL

The generator is shipped without oil. User must add the proper amount of oil before operating the generator for the first time. The oil capacity of the engine crankcase is 0.58 quarts (0.55 liters). For general use (above 40° F), we recommend 30W, 4-stroke engine oil. NOTE: Oil dipstick can be found on the righthand side of the generator if you're facing the front control panel.

ENGINE OIL RECOMMENDATIONS

Select good quality detergent oil bearing the American Petroleum Institute (API) service classifications SJ, SL, or SM. (Synthetic oils may be used.) Use the ASE viscosity grade of oil from the following chart (Figure 1) that matches the starting ter

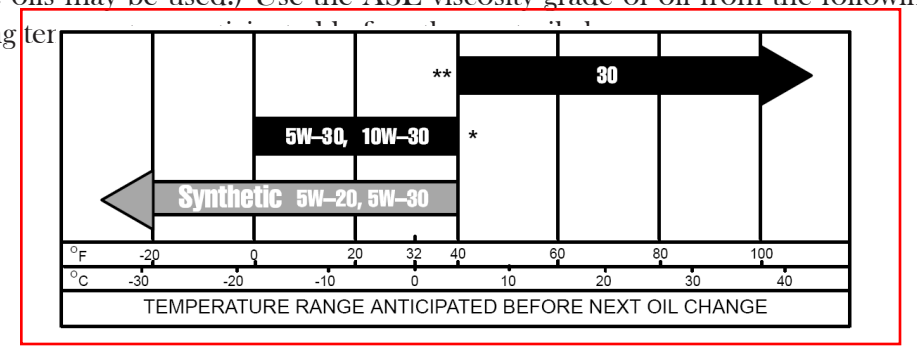
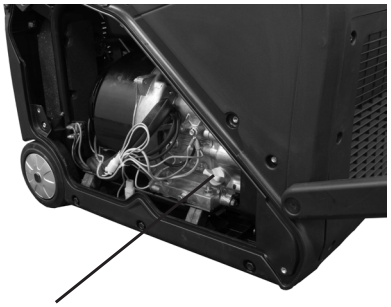


Figure 1 - Engine Oil Replacemendations

To add oil, follow these steps:

1. Make sure the generator is on a level surface. Tilting the generator to assist in filling will cause oil to flow into engine areas and will cause damage. Keep generator level!
2. Open the access panel (on the righthand side of the generator if you're facing the front control panel). Remove the dipstick from the engine. (Figure 2)
3. Add oil slowly to bring level to full. (Figure 2).
4. To check the oil level: wipe the dipstick with a clean rag. Insert the dipstick into the oil fill opening without screwing in. Remove the dipstick to check the oil mark.
5. Slowly add more oil and repeat step 4 until the oil mark reaches to the top of the dipstick (Figure 2). Do not over fill the crankcase. The generator is equipped with a low oil sensor and will not start if the amount of oil is in sufficient.
6. Check for oil leaks. Tighten dipstick firmly before closing the access panel.



Oil Dipstick

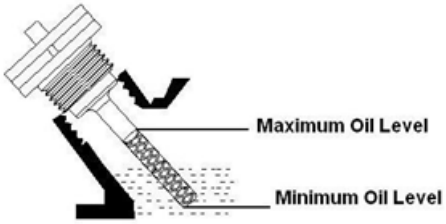


Figure 2 - Oil Fill Opening, Dipstick and Oil Level

Step 2 - ADD GASOLINE

WARNING: This generator may emit highly flammable and explosive gasoline vapors, which can cause severe burns or even death if ignited. A nearby open flame can lead to explosion even if not directly in contact with gasoline.

Use fresh (within 30 days from purchase), lead-free gasoline with a minimum of 87 octane rating. Do not mix oil with gasoline.

To add gasoline, follow these steps:

1. Make sure the generator is on a level surface.
2. Unscrew fuel cap and set aside. NOTE: The fuel cap may be tight and hard to unscrew.
3. Slowly add unleaded gasoline to the fuel tank. Be careful not to overfill. The capacity of the fuel tank is 1.85 gallons. NOTE: Do not fill the fuel tank to the very top. Gasoline will expand and spill over during use even with the fuel cap in place.
4. Reinstall fuel cap and wipe clean any spilled gasoline with a dry cloth.

IMPORTANT:

- Never use an oil/gasoline mixture.
- Never use old gasoline.
- Avoid getting dirt or water into the fuel tank.
- Gasoline can age in the tank and make starting difficult. Never store generator for extended periods of time with fuel in the tank.

Step 3 - GROUND THE GENERATOR

WARNING: Failure to properly ground the generator can result in electrocution.

Ground the generator by tightening the grounding nut on the front control panel against a grounding wire (Figure 3). A generally acceptable grounding wire is a No. 12 AWG (American Wire Gauge) stranded copper wire. This grounding wire should be connected at the other end to a copper, brass, or steel-grounding rod that is driven into the earth. Wire and grounding rods are not included in generator contents.

Grounding codes can vary by location. Contact a local electrician to check the area codes.

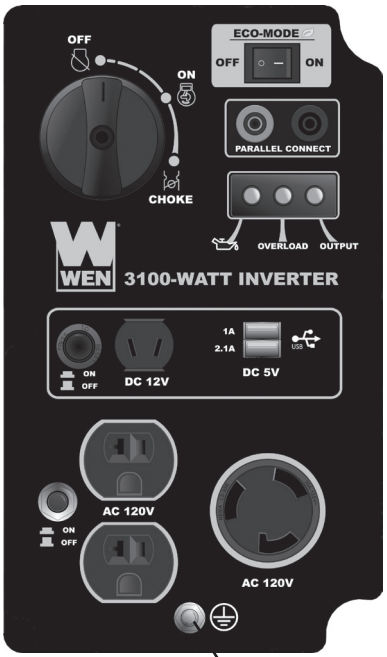


Figure 3 - Grounding Nut

NOTE: After completing the above preparation, the generator is ready to be started.

STARTING THE GENERATOR

Before starting the generator, make sure you have read and performed the steps in the "Generator Preperation" section of this manual. If you are unsure about how to perform any of the steps in this manual please call (800) 232-1195 M-F 8-5 CST for customer service.

DANGER: CARBON MONOXIDE.
Using a generator indoors CAN KILL YOU IN MINUTES.

Generator exhaust contains carbon monoxide (CO). This is a poison gas you cannot see or smell. If you can smell the generator exhaust, you are breathing CO. Even if you cannot smell the exhaust, you may be breathing CO.

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 outside and far away from windows, doors, and vents. These openings can pull in generator exhaust. Even if you use a generator correctly, CO may leak into the home. ALWAYS use a battery-powered or battery-backup CO alarm in the home.

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 may have carbon monoxide poisoning.

WARNING: This generator produces powerful voltage, which can result in electrocution.

ALWAYS ground the generator before using it (see the "Ground the Generator" portion of the "Generator Preperation" section).

- Generator should only be plugged into electrical devices, either directly or with an extension cord. NEVER connect to a building electrical system without a qualified electrician. Such connections must comply with local electrical laws and codes. Failure to comply can create a back-feed, which may result in serious injury or death to utility workers.

- Use a ground fault circuit interrupter (GFCI) in highly conductive areas such as metal decking or steel work. GFCIs are available in-line with some extension cords.

- Do not use in rainy or wet conditions.
- Do not touch bare wires or receptacles (outlets).
- Do not allow children or non-qualified persons to operate.

CAUTION: Disconnect all electrical loads from the generator before attempting to start.

STARTING THE ENGINE

To start the generator, perform the following steps:

1. Unplug all electrical devices from the generator during starting. Otherwise it can be difficult for the engine to start.
2. Check that the generator is properly grounded (Refer to "Ground the Generator").
3. Check the oil and fuel levels.
4. Turn the ECO MODE switch to "OFF."
5. Turn the 3-in-1 switch to the "CHOKE" position.
6. Pull on the recoil starter handle slowly until a slight resistance is felt, then pull quickly to start the engine. Return cord gently into the recoil starter. Never allow the cord to snap back.
7. Once the engine has started, slowly turn the 3-in-1 switch to the "ON" position.

Allow the generator to run for several minutes before attempting to connect any electrical devices. This allows the generator to stabilize its speed and temperature.

ECO-MODE SWITCH (ESC)

This generator is equipped with an Eco-Mode Switch. Engaging the switch will automatically adjust the engine speed to match the needs of the current electrical load. When an electrical device comes on line, the generator engine will automatically speed up to supply the power needed and will slow down as the need decreases. The variable engine speed can reduce fuel consumption and noise level. Keep this switch engaged when the power load requirement is less than 1000W. Do not engage the Idle Control Switch when the total load is more than 1000W. The generator engine must run at full speed to supply the required power for anything over 1000W.

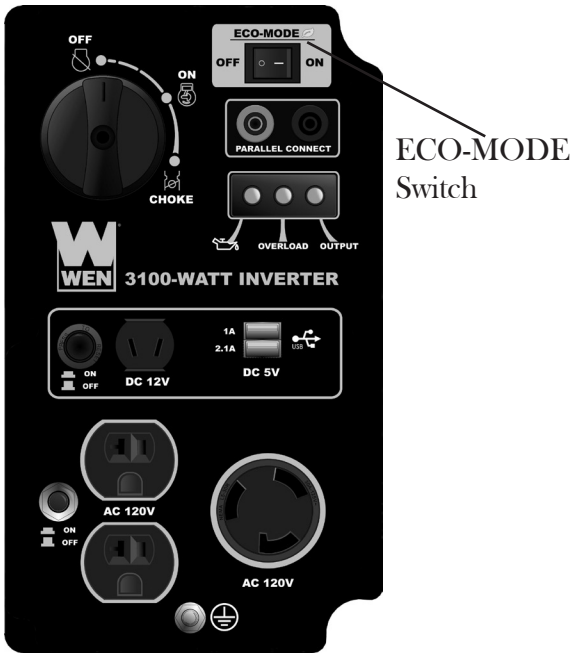


Figure 5 - Control Panel

STOPPING THE GENERATOR

TO STOP THE GENERATOR

1. Turn off all electrical devices prior to unplugging them from the generator. Unplugging running devices can cause damage to the generator.

2. Turn the 3-in-1 knob to the "OFF" position.

3. Close the vacuum relief valve on top of fuel cap. Rotate counterclockwise to the "OFF" position.

WARNING: Allow the generator to cool for several minutes before touching areas that become hot during use.

CAUTION: Allowing gasoline to sit in the fuel tank for long periods of time can make it difficult to start the generator in the future. Never store the generator for extended periods of time with fuel in the fuel tank. Refer to Generator Storage Section.

SUBSEQUENT STARTING OF THE GENERATOR

If this is not the first time using the generator, the user should take the following steps to prepare it for operation.

IMPORTANT: At this point the user should be familiar with the procedures described in the section titled "Using the Generator for the First Time." If the user has not yet read this section, go back and read it now.

Step 1 - CHECK THE OIL

Oil consumption is normal during generator use. The generator is equipped with a low oil pressure shutoff to protect it from damage. The oil level of the engine should be checked before each use to ensure that the engine crankcase contains sufficient lubricant.

To check or add oil, follow these steps:

1. Place the generator on a level surface.

2. Open access panel. Clean around oil fill hole. Remove dipstick and wipe the dipstick with a clean rag. Insert the dipstick into the oil fill opening without screwing in. Remove the dipstick to check the oil mark. Add oil if the oil mark covers less than one half of the dipstick.

3. Slowly add more oil and repeat step 2 until the oil mark reaches to the top of dipstick (Figure 2). Do not over fill the crankcase.

4. Tighten dipstick firmly then put back access panel before starting the engine.

SUBSEQUENT STARTING OF THE GENERATOR

Step 2 - CHECK THE FUEL LEVEL

Before starting the generator, check to see that there is sufficient gasoline in the fuel tank. Add additional gasoline as necessary but leave sufficient room in tank for expansion.

WARNING: This generator may emit highly flammable and explosive gasoline vapors, which can cause severe burns or even death if ignited. A nearby open flame can lead to explosion even if not directly in contact with fuel.

- Do not operate near open flame.
- Do not smoke near generator.
- Always operate on a firm, level surface.
- Always turn generator off before refueling. Allow generator to cool for at least 2 minutes before removing fuel cap. Loosen cap slowly to relieve pressure in tank.
- Do not overfill fuel tank. Gasoline may expand during operation. Do not fill to the top of the tank. Allow for expansion.
- Always check for spilled fuel before operating. Clean up any spilled fuel before starting.
- Empty fuel tank before storing or transporting the generator.
- Before transporting, turn fuel valve to off position.

IMPORTANT:
- Use only UNLEADED gasoline.
- Do not use old gasoline.
- Never use an oil/gasoline mixture.
- Avoid getting dirt or water into the fuel tank.

Step 3 - GROUND THE GENERATOR

WARNING: Failure to properly ground the generator can result in electrocution.

Ground the generator by tightening the grounding nut on the front control panel against a grounding wire (Figure 3). A generally acceptable grounding wire is a No. 12 AWG (American Wire Gauge) stranded copper wire. This grounding wire should be connected at the other end to a copper, brass, or steel-grounding rod that is driven into the earth. Wire and grounding rod are not included in generator contents.

Grounding codes can vary by location. Contact a local electrician for area codes.

USING THE GENERATOR

WARNING: When this generator is used on a building's wiring system, the generator must be installed by a qualified electrician and connected to a transfer switch as a separately derived system in accordance with the National Electrical Code, NFPA 70. The generator shall be connected to a transfer switch that switches all conductors other than the equipment grounding conductor. The frame of the generator shall be connected to an approved grounding electrode.

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 machine's components, possibly leading to a generator failure.

Before connecting electrical devices, allow the generator to run for a few minutes to stabilize the speed and voltage output.

CAUTION: Become familiar with the markings on the panel before connecting electrical devices.

Connect electrical devices running on AC current according to their wattage requirements. The chart in Figure 6 shows the rated and surge wattage of the generator.

The rated (running) wattage is the wattage the generator can produce on a continuous basis.

The surge wattage is the maximum amount of power the generator can produce for an extremely short period of time (seconds). Many electrical devices such as refrigerators require short bursts of extra power in addition to the rated wattage listed by the device to start their motors. The surge wattage ability of the generator covers this extra power requirement.

Item	Rated (Running) Wattage	Surge Wattage
56310i	2800	3100

Figure 6 - Generator Wattage

The total running wattage requirement of the electrical devices connected to the generator should not exceed the rated wattage of the generator itself. To calculate the total wattage requirement of the electrical devices you plan to connect, find the rated (or running) wattage of each device. This number should be listed somewhere on the device or in its instruction manual. If this wattage cannot be found, calculate it by multiplying the Voltage requirement by the Amperage drawn:

Watts = Volts x Amperes

If these specifications are not available, estimate the watts requirement of the device by using the chart in Figure 7.

When the rated wattage requirement of each electrical device has been determined, add these numbers to find the total rated wattage needed. If this number exceeds the rated wattage of the generator, DO NOT connect all these devices. Select a combination of electrical devices, which have a total rated wattage lower than or equal to the rated wattage of the generator.

USING THE GENERATOR

CAUTION: The generator can run at its surge wattage capacity for only a short time. Connect electrical devices requiring a rated (running) wattage equal to or less than the rated wattage of the generator. Never connect devices requiring a rated wattage equal to the surge wattage of the generator. This can trip the circuit protectors (circuit breakers).

Tool or Appliance	Rated (Running) Watts	ADDITIONAL SURGE WATTS
Electric water heater (40 Gal)	4000	0
Hot plate	2500	0
Saw - radial arm	2000	2000
Electric stove (each element)	1500-2800	0
Saw - circular	1500	1500
Air compressor (1 HP)	1500	3000
Window air conditioner	1200	1800
Saw - miter	1200	1200
Microwave	1000	0
Well water pump	1000	1000
Saw - reciprocating	960	1040
Sump pump	800	1200
Refrigerator freezer	800	1200
Furnace blower	800	1300
Computer	800	0
Electric drill	600	900
Television	500	0
Deep freezer	500	500
Garage door opener	480	0
Stereo	400	0
Box fan	300	600
Clock radio	300	0
Security system	180	0
DVD player / VCR	100	0
Common light bulb	75	0

Figure 7- Estimated wattage requirements of common electrical devices

Note: The above wattage figures are estimates. Check the wattage listed on the electrical device before consulting this chart. Once the electrical devices that will be powered by the generator have been determined, connect these devices according to the following procedure:

1. Plug in each electrical device, making sure that the device is turned off.

2. Check the overload light and power indicator light. If the overload light is on, remove the plugged in load, then press the power reset button before plugging the loads back in. If the reset button does not reset, wait several minutes and try again. If the power light still does not come on, call the customer service number for further instructions.

USING THE GENERATOR

CAUTION: Do not connect 50Hz loads to the generator.

SOME NOTES ABOUT POWER CORDS

Long or thin cords can drain the power provided to an electrical device by the generator. When using such cords, allow for a slightly higher rated wattage requirement by the electrical device. See Figure 8 for recommended cords based on the power requirement of the electrical device.

Device Requirements		Max. Cord Length (ft) by Wire Gauge				
Amps	Watts (120V)	#8 wire	#10 wire	#12 wire	#14 wire	#16 wire
2.5	300	NR	NR	NR	375	250
5	600	NR	NR	300	200	125
7.5	900	NR	350	200	125	100
10	1200	NR	250	150	100	50
15	1800	NR	150	100	65	NR

*NR = Not Recommended

Figure 8 - Maximum Extension Cord Lengths by Power Requirement

If an overload occurs, shut down the generator. Unplug all electrical devices and wait five minutes. Then, start the unit back up again to get power back.

MAINTENANCE/CARE

Proper routine maintenance of the generator will help prolong the life of the machine. Please perform maintenance checks and operations according to the schedule in Figure 9.

If there are any questions about the maintenance procedures listed in this manual, please call (800) 232-1195 M-F 8-5CT.

CAUTION: Never perform maintenance operations while the generator is running.

Recommended Maintenance Schedule		Each 8 hours or daily	First 8 hours	Every 25 hours	Every 3 months or 50 hours	Every 6 months or 100 hours	Every year	As necessary
Engine oil	Check level	x						
	Replace		x	x*	x*			x
Air cleaner cartridge	Check			x		x		
	Clean					x		
Spark plug	Check/ clean					x		
	Change						x	x
Fuel tank	Check level	x						
	Clean						x	

Figure 9 - Recommended maintenance schedule

* Clean/change more often under dusty conditions or operating under heavy load.

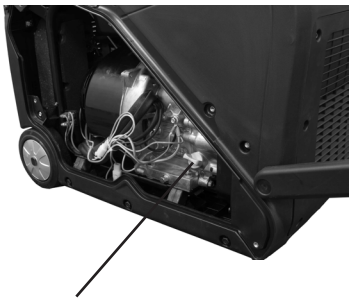
CLEANING THE GENERATOR

Never clean the generator when it is running! Never clean with a bucket of water or a hose. Water can get inside the working parts of the generator and cause a short circuit or corrosion.

Always try to use the generator in a cool, dry place. If the generator becomes dirty, clean the exterior with a damp cloth, a soft brush, a vacuum or pressurized air.

CHECKING THE OIL

Check the oil level of the generator according to the Recommended Maintenance Schedule in Figure 9. The generator is equipped with an automatic shutoff to protect it from running on low oil. The generator should be checked before each use for proper oil level. This is a critical step for proper engine starting. To check the oil level:



Oil Dipstick

1. Make sure the generator is on a level surface.

2. Open access panel. Clean around oil fill. Remove dipstick and wipe the dipstick with a clean rag. Insert the dipstick into the oil fill opening without screwing in. Remove the dipstick to check the oil mark. Add oil if the oil mark covers less than one half of the dipstick.

3. Slowly add more oil and repeat step 2 until the oil mark reaches to the top of dipstick (Figure 10). Do not over fill the crankcase.

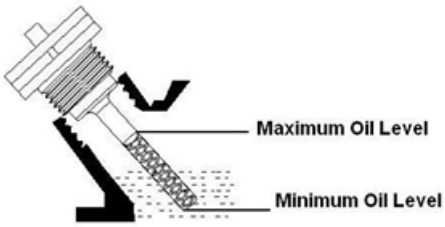


Figure 10 - Oil Fill Opening, Dipstick and Oil Level

4. Reinstall oil dipstick and access panel.

CHANGING/ADDING OIL

Change the oil according to the Recommended Maintenance Schedule in Figure 9. Change the oil when the engine is warm. This will allow for complete drainage. Change oil more often if operating under heavy load or high ambient temperatures. It is also necessary to drain the oil from the crankcase if it has become contaminated with water or dirt. The oil capacity of the generator engine is 0.58 qts. Add oil when the oil level is low. For proper type and weight of oil refer to “add oil” portion of the “Generator Preparation” section.
Drain the oil from the generator according to the following steps after removing the side panel.

1. Place generator on elevated platform such as table or desk. Put a container next to it to hold the used oil. Turn the vacuum relief valve to “OFF” position.

2. Unscrew the dipstick from the engine and set aside.

3. Tilt the generator so the used oil flows from the engine into the container. Tilt some more to ensure all oil is out of the crankcase.

4. Fill the crankcase with fresh oil and reinstall the dipstick. Clean any oil spillage before closing the side panel.

To refill the crankcase with oil, follow these steps:

1. Make sure the generator is on a level surface. Tilting the generator to assist in filling will cause oil to flow into engine areas and will cause damage. Keep generator level!

2. Remove the dipstick from the engine.

3. Using a funnel or appropriate dispenser, add the correct amount of oil into the crankcase. The engine is equipped with a low oil pressure sensor and will not start if the amount of oil is insufficient.

4. Reinstall dipstick.

NOTE: Never dispose of used motor oil in the trash or down a drain. Please call a local recycling center or auto garage to arrange oil disposal.

AIR CLEANER MAINTENANCE

Routine maintenance of the air cleaner helps maintain proper airflow to the carburetor. Occasionally check that the air cleaner is free of excessive dirt. Refer to Recommended Maintenance Schedule in Figure 9. For air cleaner detail, refer to Figure 11.

1. Remove the side panel.

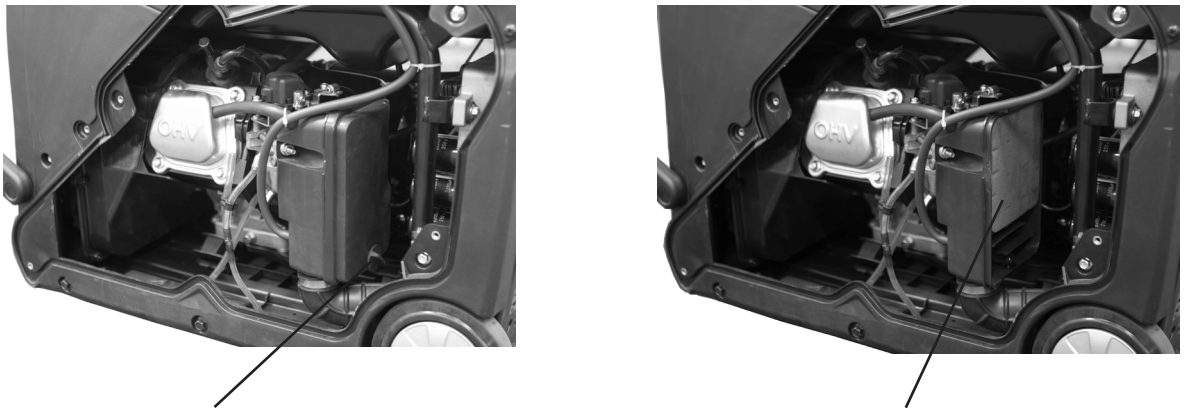
2. Unscrew the cover bolt, then remove the air cleaner cover.

3. Check and clean the air cleaner element, replace with a new one if the element is damaged. Good element can be washed in soapy water, dried and reused. There is no need to add oil to the element.

4. Wipe off excessive oil from the air cleaner case. Small amount of oil in the element is normal and necessary for the engine to work properly.

5. Reinstall the air cleaner element, cartridge and access panel.

CAUTION: running the engine with dirty, damaged or missing air cleaner element will cause the engine to wear out prematurely.



Cover Bolt

Figure 11 - Air Cleaner

Air Cleaner Element

SPARK PLUG MAINTENANCE

The spark plug is important for proper engine operation. A good spark plug should be intact, free of deposits, and properly gapped. Refer to Recommended Maintenance Schedule in Figure 9. To inspect the spark plug:

1. Remove side panel.

2. Remove spark plug boot. Be careful not to tear insulation or wire.

3. Unscrew the spark plug from the engine using the spark plug wrench provided. There is limited space for the wrench to turn. Use both rows of holes in the spark plug wrench to gain leverage to loosen the plug.

4. Visually inspect the spark plug for cracks or excessive electrode wear. Replace as necessary.

5. Measure the plug gap with a wire gauge. The gap should be 0.6 - 0.7 mm (0.024 - 0.028 in).

6. If re-using the spark plug, use a wire brush to clean any dirt from around the spark plug base then re-gap the spark plug.

7. Screw the spark plug back into the spark plug hole using the spark plug wrench. Do not over-tighten spark plug. Recommended tightening of spark plug is ½ to ¾ of a turn after spark plug gasket contacts spark plug hole. Reinstall the spark plug boot and control panel.

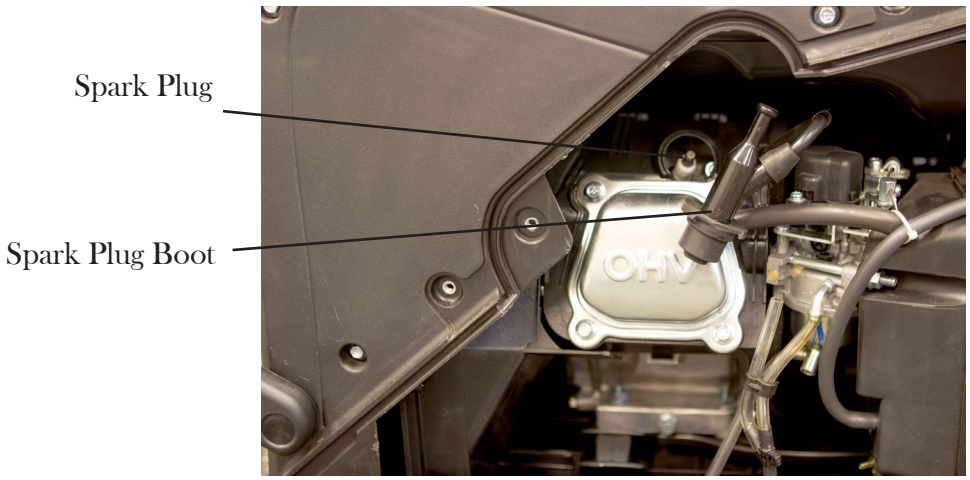


Figure 12 - Spark Plug Location

MAINTENANCE & CARE

DRAINING THE FUEL TANK

Clean fuel tank each year or before storing the generator for extended periods of time. To drain the fuel tank and carburetor:

1. Remove the fuel cap; carefully turn the generator over to pour the gasoline in the fuel tank to appropriate container.

2. Start generator without any device connected to it until it stops. This burns out the fuel in the carburetor and fuel line.

3. Store the emptied gasoline in a suitable place.

CAUTION: Do not store fuel for more than 3 months.

STORAGE & TRANSPORT PROCEDURES

CAUTION: Never place any type of storage cover on the generator while it is still hot.

If the generator is being stored for short periods of time (30 to 60 days), add stabilized fuel to the fuel tank until full. NOTE: Filling the tank reduces the amount of air in the tank and helps reduce deterioration of fuel. Run the engine for 2 – 3 minutes allowing stabilized fuel mixture to circulate through the carburetor.

When storing the generator for extended periods of time:

- Drain the fuel tank (see "Draining the Fuel Tank" in the "Maintenance" section).
- Change oil.
- Do not obstruct any ventilation openings.
- Keep the generator in a cool dry area.

When transporting generator:

- Keep the generator upright. Never place the generator side down. Doing so will make it difficult to start.

SPECIFICATIONS

DC output

Rated Voltage	12 VDC
Rated Amperage	8.3 A
Rated Wattage	100 W
USB Charger	5V, 1 A & 2.1 A

AC output

Rated Wattage	2800 Watts
Surge Wattage	3100 Watts
Rated Voltage	120 V
Rated Amperage	23.3 A
Frequency	60 Hz
Phase	Single
Dimensions	Length: 26.75 inches
	Width: 20 inches
	Height: 23 inches
Weight	81.4 lbs

Engine

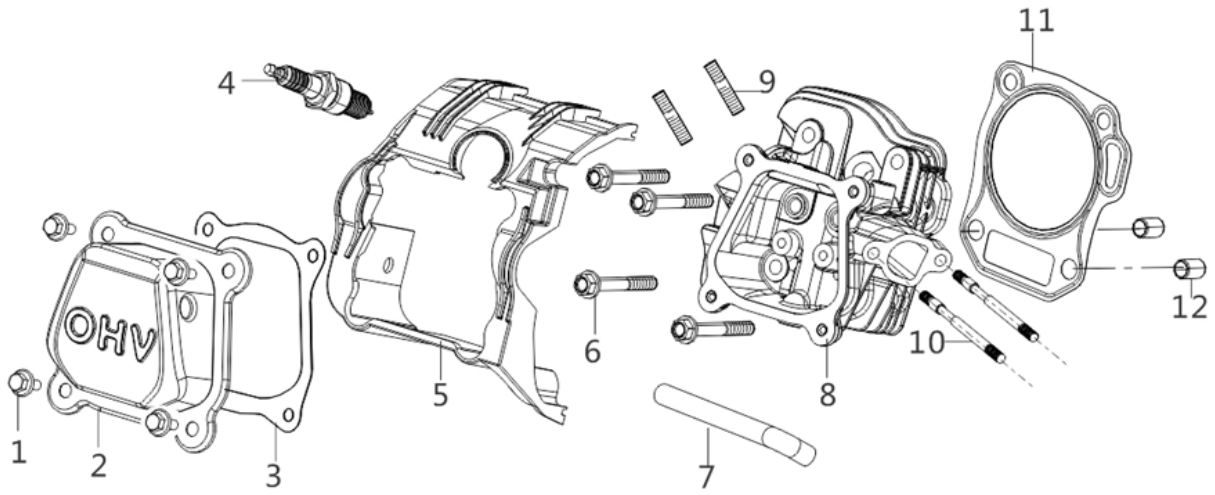
Engine type	4 stroke, OHV, single cylinder with forced air cooling system
Spark plug gap	0.6 - 0.7 mm (0.024 - 0.028 in)
Spark plug torque	1/2 - 3/4 turn after gasket contacts base or 15 ft.lb
Displacement	212 cc
Fuel tank capacity	1.85 gallons 87 octane minimum
Oil capacity	0.58 quarts (0.55 liters)
Lubrication system	Splash lubrication
Run time on 50% load	7.5 hours
Noise rating (from 22 feet away with an ambient rating of 44 dB)	57 dB (no load) 58 dB (1/4 load) 60 dB (1/2 load) 63 dB (3/4 load)
Spark plug	F6RTC

TROUBLESHOOTING

IMPORTANT: If trouble persists, please call our customer help line at (800) 232-1195 M-F 8-5 Central Time.

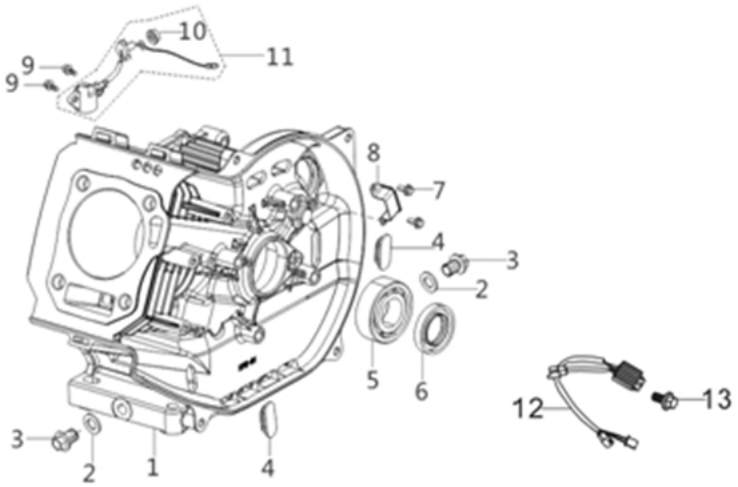
Problem	Cause	Solution
Engine will not start	Engine switch in “OFF” position	Set engine switch to “CHOKE” position.
	Engine is filled with contaminated or old fuel	Change the fuel in the tank.
	Not enough oil in crankcase	Add or replace oil.
	Air cleaner is dirty.	Clean or replace air cleaner.
	Spark plug is dirty.	Clean spark plug.
	Spark plug is broken.	Replace spark plug.
	Generator is not on level surface.	Move generator to a level surface to prevent low oil shutdown from triggering.
	Engine needs maintenance	Get a professional engine tune-up at an authorized small engine repair shop
	Generator was tilted when adding oil, or shipped side-down	Remove spark plugs, turn off engine switch then pull recoil starter four times to remove oil form the combustion chamber.
Engine stops	Not enough oil in crankcase	Add or change oil
	Engine is out of fuel	Add fuel.
Blue smoke in exhaust	Generator inclined, oil entered combustion chamber	Move generator to a level position
	Too much oil was added to the crankcase.	Drain excessive oil.
Generator runs but does not support all electrical devices connected.	Bad connecting wires/cables.	If using an extension cord, try a different one.
	Bad electrical device connected to generator.	Try connecting a different device
	Generator is overloaded, Overload light is on	Perform these steps: 1. Turn off all electrical devices. 2. Unplug all electrical devices. 3. Shut down the engine. 4. Wait several minutes and then start the engine. 5. Try connecting fewer electrical loads to the generator.
	Short in one of the connected devices.	Try disconnecting any faulty or short-circuited electrical loads.

FIG.1 CYLINDER HEAD ASSEMBLY



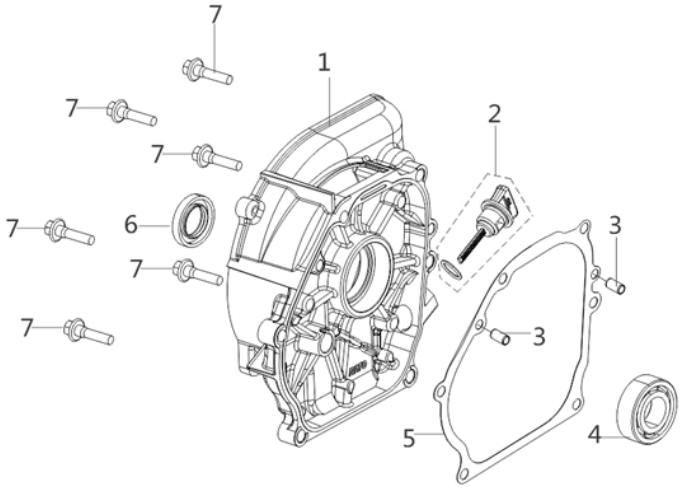
Item	Stock #	Description	Qty
FIG01-1	56310i-0101	BOLT	4
FIG01-2	56310i-0102	COVER SUBASSEMBLY, CYLINDER HEAD	1
FIG01-3	56310i-0103	GASKET, CYLINDER HEAD COVER	1
FIG01-4	56310i-0104	PLUG, SPARK	1
FIG01-5	56310i-0105	SHROUD, CYLINDER BODY	1
FIG01-6	56310i-0106	BOLT, CYLINDER HEAD	4
FIG01-7	56310i-0107	TUBE, BREATHER	1
FIG01-8	56310i-0108	HEAD SUBASSEMBLY, CYLINDER	1
FIG01-9	56310i-0109	STUD	2
FIG01-10	56310i-0110	STUD	2
FIG01-11	56310i-0111	GASKET, CYLINDER HEAD	1
FIG01-12	56310i-0112	PIN	2

FIG.2 CRANKCASE ASSEMBLY



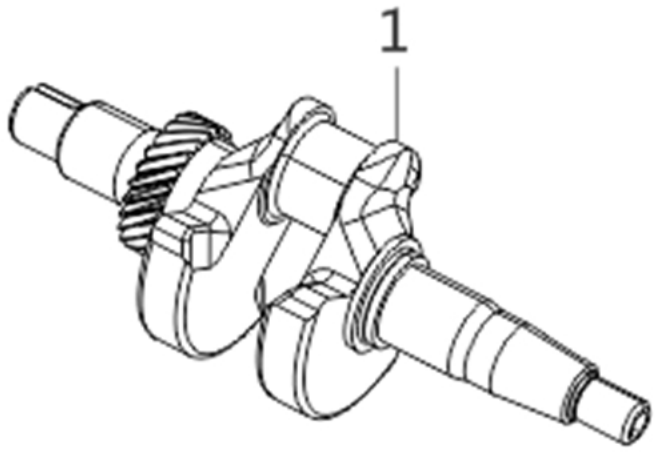
Item	Stock #	Description	Qty
FIG02-1	56310i-0201	CRANKCASE SUBASSEMBLY.	1
FIG02-2	56310i-0202	WASHER	2
FIG02-3	56310i-0203	BOLT, DRAIN PLUG	2
FIG02-4	56310i-0204	PLUG, END	2
FIG02-5	56310i-0205	BEARING	1
FIG02-6	56310i-0206	OIL-SEAL	1
FIG02-7	56310i-0207	BOLT	2
FIG02-8	56310i-0208	CLAMP, GENERATOR LEAD WIRE	1
FIG02-9	56310i-0209	BOLT	2
FIG02-10	56310i-0210	NUT	1
FIG02-11	56310i-0211	SENSOR, ENGINE OIL	1
FIG02-12	56310i-0212	REGULATOR, VOLTAGE	1
FIG02-13	56310i-0213	BOLT	1

FIG.3 CRANKCASE COVER



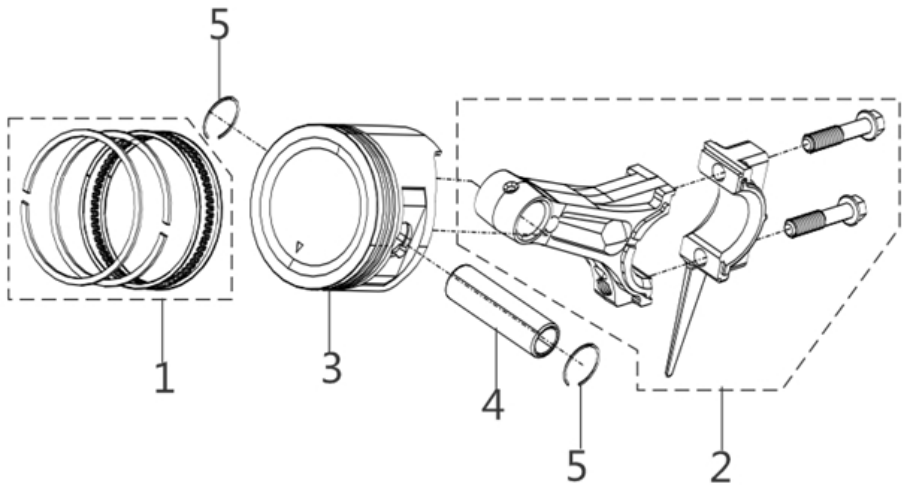
Item	Stock #	Description	Qty
FIG03-1	56310i-0301	COVER, CRANKCASE	1
FIG03-2	56310i-0302	DIPSTICK SUBASSEMBLY, OIL	1
FIG03-3	56310i-0303	PIN	2
FIG03-4	56310i-0304	BEARING	1
FIG03-5	56310i-0305	GASKET, CRANKCASE	1
FIG03-6	56310i-0306	OIL-SEAL	1
FIG03-7	56310i-0307	BOLT	6

FIG.4 CRANKSHAFT



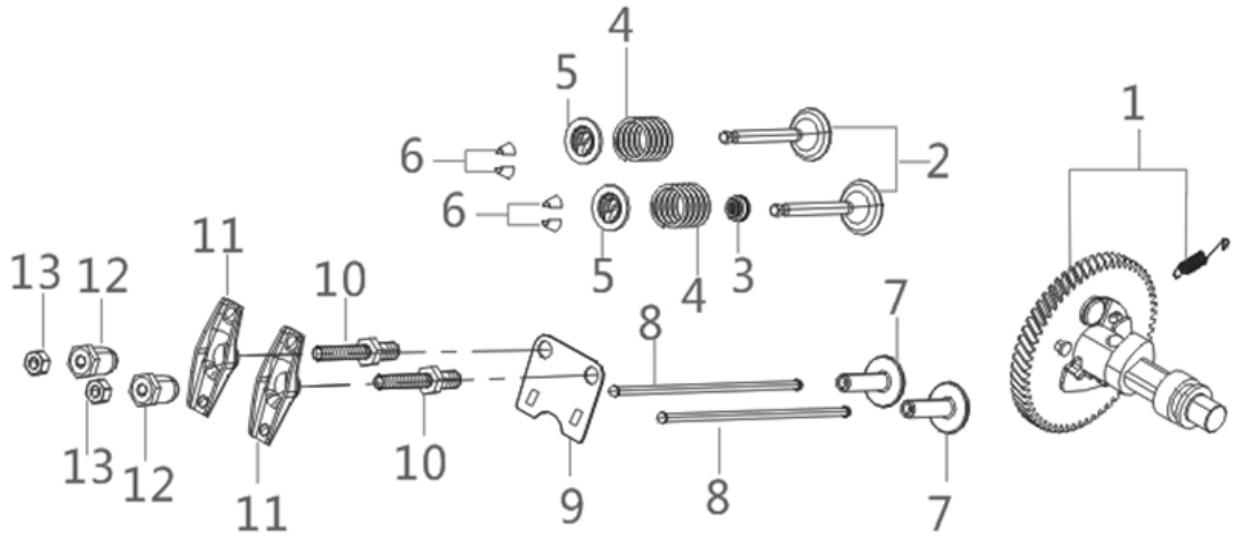
Item	Stock #	Description	Qty
FIG04-1	56310i-0401	CRANKSHAFT ASSY.	1

FIG.5 CONNETING ROD



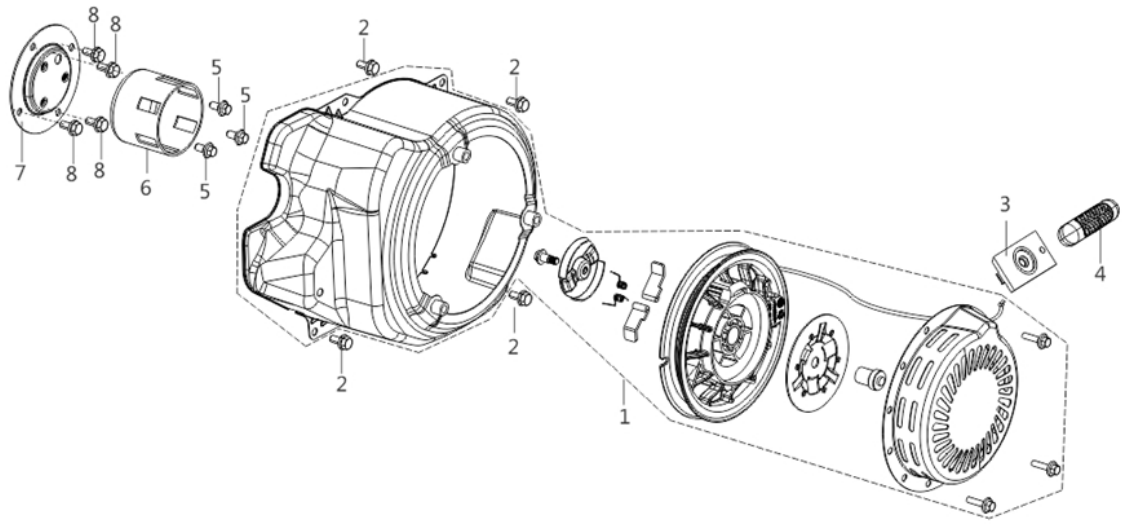
Item	Stock #	Description	Qty
FIG05-1	56310i-0501	RING ASSY, PISTON	1
FIG05-2	56310i-0502	ROD, CONNECTING	1
FIG05-3	56310i-0503	PISTON	1
FIG05-4	56310i-0504	PIN, PISTON	1
FIG05-5	56310i-0505	CLIP, PISTON PIN	2

FIG.6 VALVES, CAMSHAFT ASSEMBLY



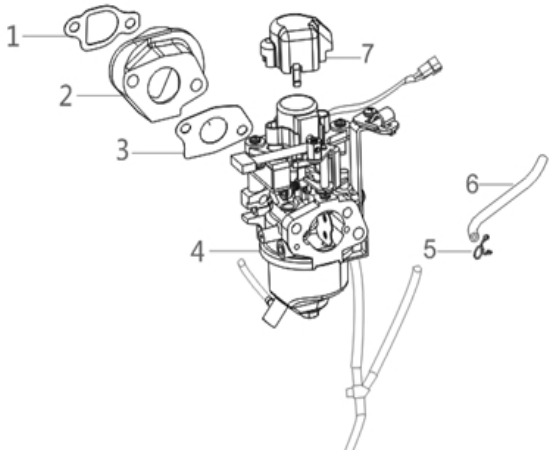
Item	Stock #	Description	Qty
FIG06-1	56310i-0601	CAMSHAFT ASSY.	1
FIG06-2	56310i-0602	valve	1
FIG06-3	56310i-0603	GUIDE, SEAL	1
FIG06-4	56310i-0604	SPRING, VALVE	2
FIG06-5	56310i-0605	SEAT, VALVE SPRING	2
FIG06-6	56310i-0606	CLAMP, VALVE LOCK	4
FIG06-7	56310i-0607	TAPPET, VALVE	2
FIG06-8	56310i-0608	LIFTER, VALVE	2
FIG06-9	56310i-0609	PLATE SUBASSEMBLY, LIFTER STOPPER	1
FIG06-10	56310i-0610	BOLT, VALVE ADJUSTING	2
FIG06-11	56310i-0611	ROCKER, VALVE	2
FIG06-12	56310i-0612	NUT， VALVE ADJUSTING	2
FIG06-13	56310i-0613	NUT, VALVE LOCK	2

FIG.7 RECOIL STARTER



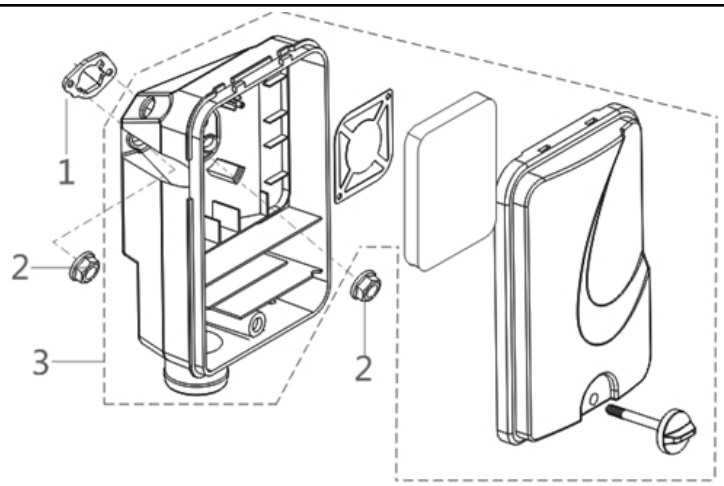
Item	Stock #	Description	Qty
FIG07-1	56310i-0701	STARTER, RECOIL	1
FIG07-2	56310i-0702	BOLT	4
FIG07-3	56310i-0703	GUIDE， STARTING ROPE	1
FIG07-4	56310i-0704	HANDLE, RECOIL STRATER CABLE	1
FIG07-5	56310i-0705	BOLT	3
FIG07-6	56310i-0706	PULLEY,STARTER	1
FIG07-7	56310i-0707	SEAT, STARTER CUP	1
FIG07-8	56310i-0708	BOLT	4

FIG.8 CARBURETOR



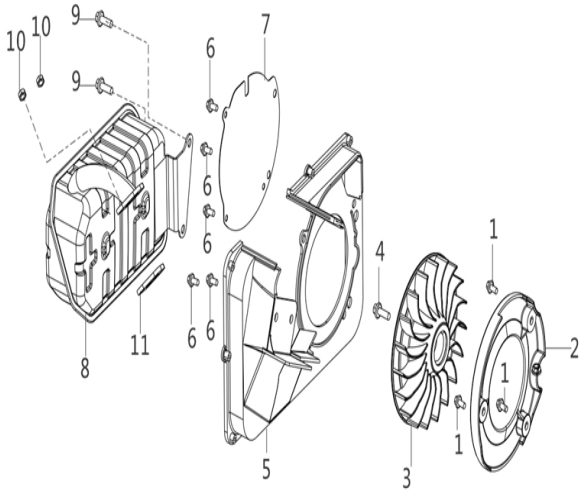
Item	Stock #	Description	Qty
FIG08-1	56310i-0801	GASKET, CARBURETOR INSULATOR	1
FIG08-2	56310i-0802	PLATE, CARBURETOR INSULATOR	1
FIG08-3	56310i-0803	GASKET, CARBURETOR	1
FIG08-4	56310i-0804	CARBURETOR ASSY.	1
FIG08-5	56310i-0805	CLAMP	1
FIG08-6	56310i-0806	TUBE, FUEL	1
FIG08-7	56310i-0807	CAP	1

FIG.9 AIR CLEANER



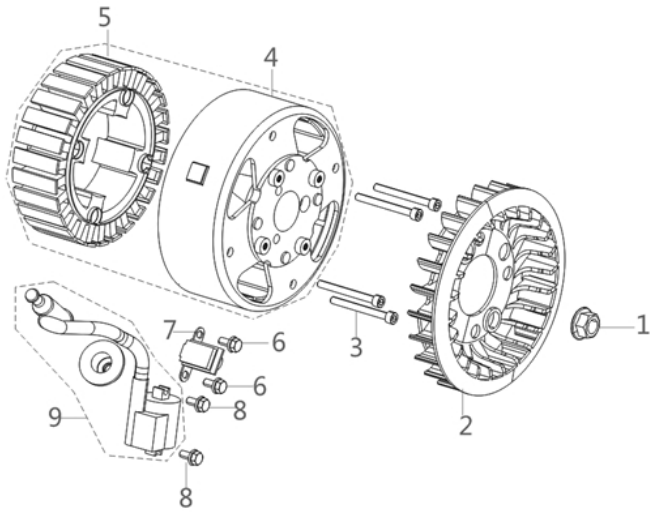
Item	Stock #	Description	Qty
FIG09-1	56310i-0901	GASKET, AIR CLEANER	1
FIG09-2	56310i-0902	NUT	2
FIG09-3	56310i-0903	CLEANER, AIR	1

FIG.10 MUFFLER



Item	Stock #	Description	Qty
FIG10-1	56310i-1001	BOLT	3
FIG10-2	56310i-1002	SHROUD	1
FIG10-3	56310i-1003	IMPELLER	1
FIG10-4	56310i-1004	BOLT	1
FIG10-5	56310i-1005	PLATE, MUFFLER INSULATOR	1
FIG10-6	56310i-1006	BOLT	5
FIG10-7	56310i-1007	CLAPBOARD, MUFFLER	1
FIG10-8	56310i-1008	MUFFLER ASSY.	1
FIG10-9	56310i-1009	BOLT	2
FIG10-10	56310i-1010	NUT	2
FIG10-11	56310i-1011	GASKET, EXHAUST OUTLET	1

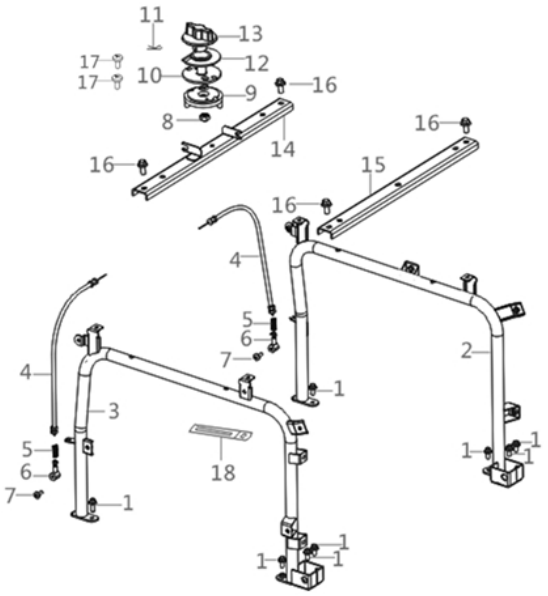
FIG.11 FLYWHEEL AND IGNITION COIL



Item	Stock #	Description	Qty
FIG11-1	56310i-1101	NUT, FLYWHEEL	1
FIG11-2	56310i-1102	IMPELLER	1
FIG11-3	56310i-1103	SCREW	4
FIG11-4	56310i-1104	ROTOR COMP	1
FIG11-5	56310i-1105	STATOR COMP.	1
FIG11-6	56310i-1106	BOLT	2
FIG11-7	56310i-1107	TRIGGER ASSY.	1
FIG11-8	56310i-1108	BOLT	2
FIG11-9	56310i-1109	COIL, IGNITION	1

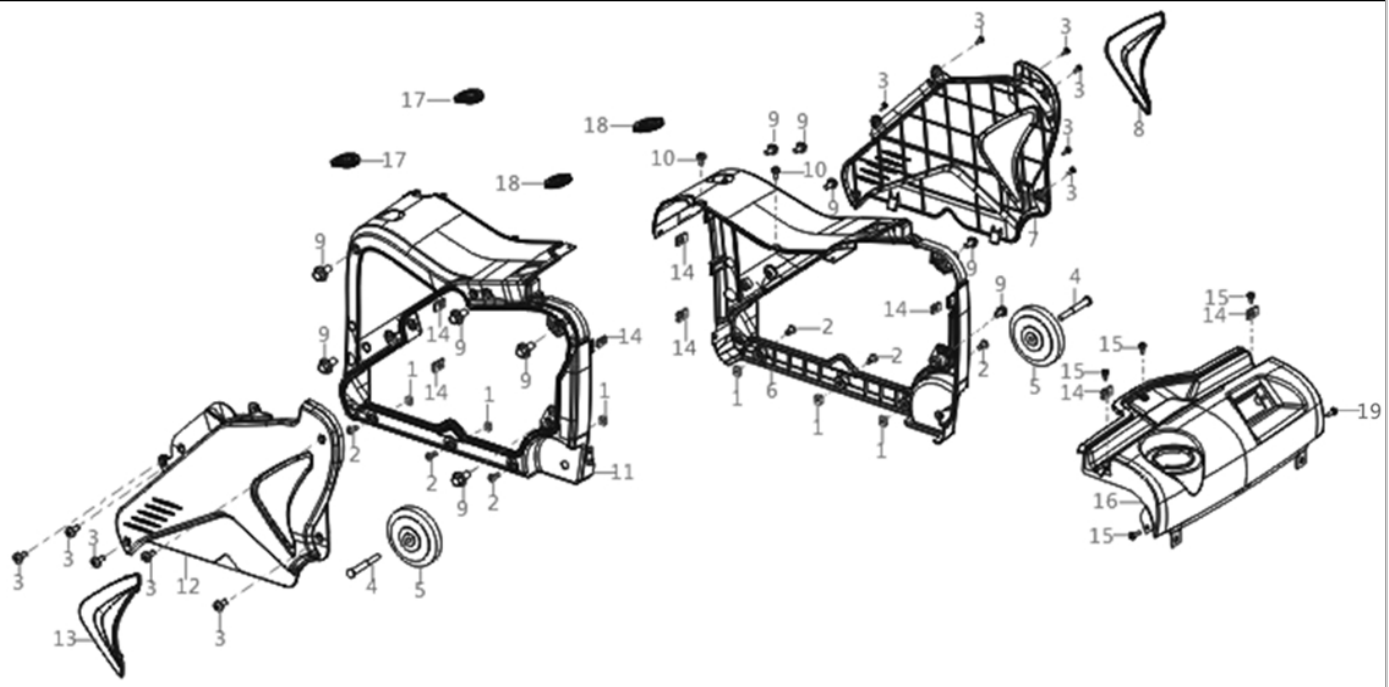
EXPLODED VIEW AND PARTS LIST

FIG.12 FRAME



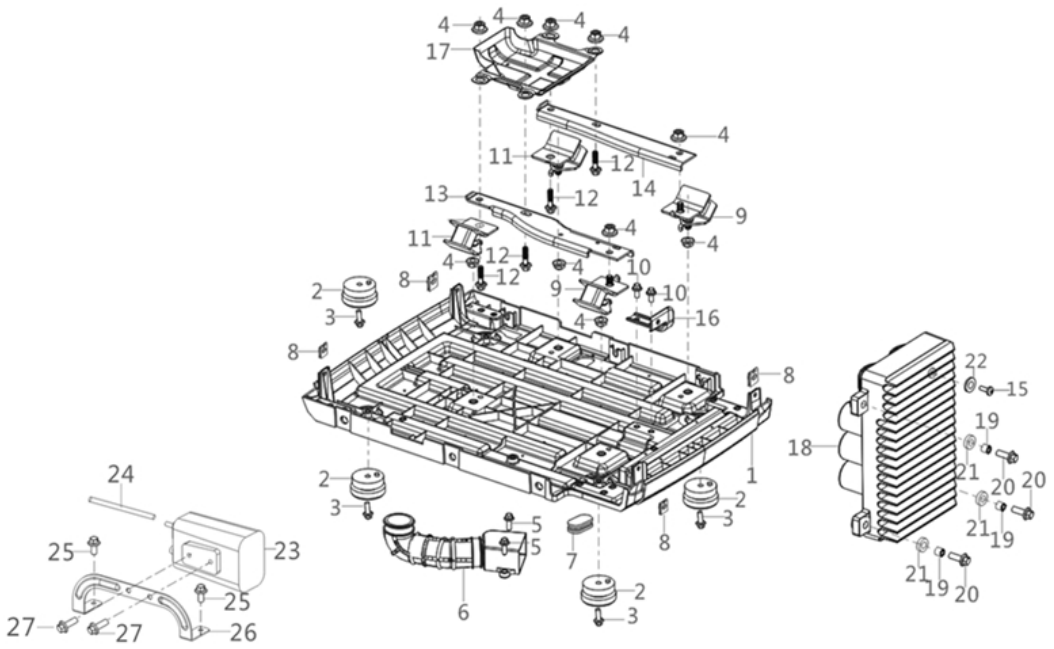
Item	Stock #	Description	Qty
FIG12-1	56310i-1201	BOLT	8
FIG12-2	56310i-1202	FRAME ASSY, ENGINE(RIGHT)	1
FIG12-3	56310i-1203	FRAME ASSY, ENGINE(LEFT)	1
FIG12-4	56310i-1204	LASSO COMP.	2
FIG12-5	56310i-1205	SPRING	2
FIG12-6	56310i-1206	PIN	2
FIG12-7	56310i-1207	CROSS-HEAD SCREW	2
FIG12-8	56310i-1208	BUSH	1
FIG12-9	56310i-1209	BLOCK, CONTROL ARM LIMITED	1
FIG12-10	56310i-1210	LASSO SUPPORT	1
FIG12-11	56310i-1211	PIN	1
FIG12-12	56310i-1212	RUBBER MAT	1
FIG12-13	56310i-1213	KNOB	1
FIG12-14	56310i-1214	CONNECTION BOARD, FRAME	1
FIG12-15	56310i-1215	CONNECTION BOARD, FRAME	1
FIG12-16	56310i-1216	BOLT	4
FIG12-17	56310i-1217	CROSS-HEAD SELF-TAPPING SCREW	2
FIG12-18	56310i-1218	CLIP	1

FIG.13 PLASTIC COVER



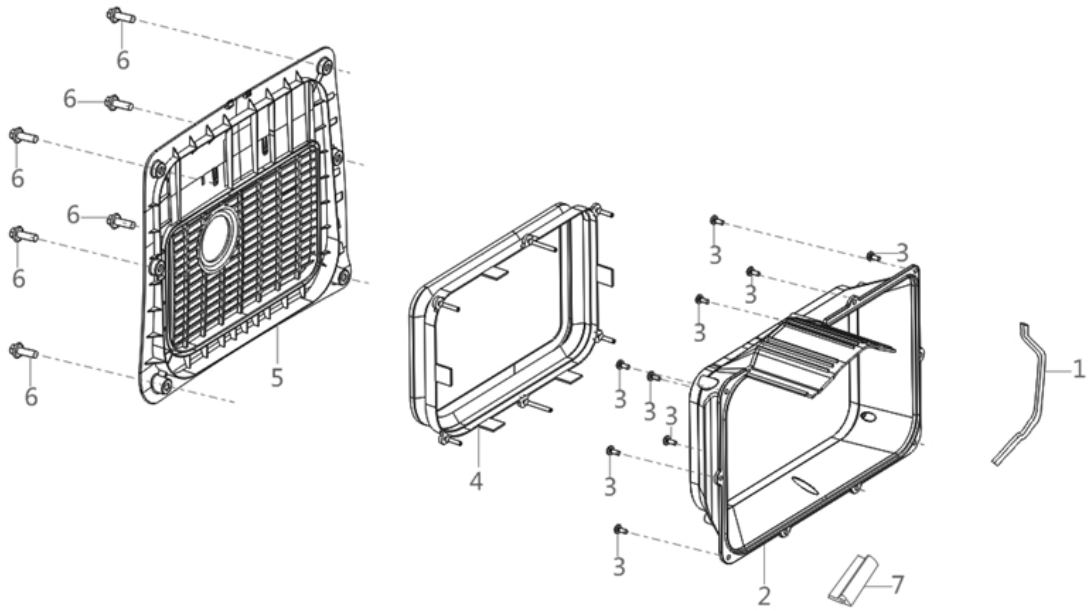
Item	Stock #	Description	Qty
FIG13-1	56310i-1301	NUT	6
FIG13-2	56310i-1302	BOLT	6
FIG13-3	56310i-1303	CROSS-HEAD SCREW AND WASHER COMP.	11
FIG13-4	56310i-1304	SHAFT, FRONT WHEEL	2
FIG13-5	56310i-1305	WHEEL BODY,FRONT	2
FIG13-6	56310i-1306	RIGHT SHELL	1
FIG13-7	56310i-1307	RIGHT PANEL	1
FIG13-8	56310i-1308	FRONT PANEL RIGHT DECORATED	1
FIG13-9	56310i-1309	BOLT	10
FIG13-10	56310i-1310	SCREW， CROSS GROOVE PAN	2
FIG13-11	56310i-1311	LEFT SHELL	1
FIG13-12	56310i-1312	LEFT PANEL	1
FIG13-13	56310i-1313	LEFT PANEL RIGHT DECORATED	1
FIG13-14	56310i-1314	NUT	8
FIG13-15	56310i-1315	CROSS-HEAD SCREW AND WASHER COMP.	4
FIG13-16	56310i-1316	FRONT PANEL	1
FIG13-17	56310i-1317	HANDLE SLEEVE	2
FIG13-18	56310i-1318	HANDLE SLEEVE	2
FIG13-19	56310i-1319	CROSS AND FLAT HEAD SCREW	1

FIG.14 BASE AND INVERTER



Item	Stock #	Description	Qty
FIG14-1	56310i-1401	PLATE, BOTTOM	1
FIG14-2	56310i-1402	SEAT,FRAME	4
FIG14-3	56310i-1403	BOLT	4
FIG14-4	56310i-1404	NUT	10
FIG14-5	56310i-1405	BOLT	2
FIG14-6	56310i-1406	AIR FILTER INLET COMP.	1
FIG14-7	56310i-1407	CAP	1
FIG14-8	56310i-1408	NUT	4
FIG14-9	56310i-1409	CUSHION, ENGINE FRAME LEFT	2
FIG14-10	56310i-1410	BOLT	2
FIG14-11	56310i-1411	CUSHION, ENGINE FRAME RIGHT	2
FIG14-12	56310i-1412	BOLT	4
FIG14-13	56310i-1413	ENGINE LEFT SUPPORT	1
FIG14-14	56310i-1414	ENGINE RIGHT SUPPORT	1
FIG14-15	56310i-1415	SCREW	1
FIG14-16	56310i-1416	INVERTER SUPPORT	1
FIG14-17	56310i-1417	DEFLECTOR, CRANKCASE AIR	1
FIG14-18	56310i-1418	INVERTOR	1
FIG14-19	56310i-1419	BUSH	3
FIG14-20	56310i-1420	BOLT	3
FIG14-21	56310i-1421	JACKET, RUBBER	3
FIG14-22	56310i-1422	WASHER, FLAT	1
FIG14-23	56310i-1423	COLLECTOR, FUEL STEAM	1
FIG14-24	56310i-1424	HOSE, FUEL STEAM RUBBER	1
FIG14-25	56310i-1425	BOLT	2
FIG14-26	56310i-1426	FUEL STEAM SUPPORTER	1
FIG14-27	56310i-1427	BOLT	2

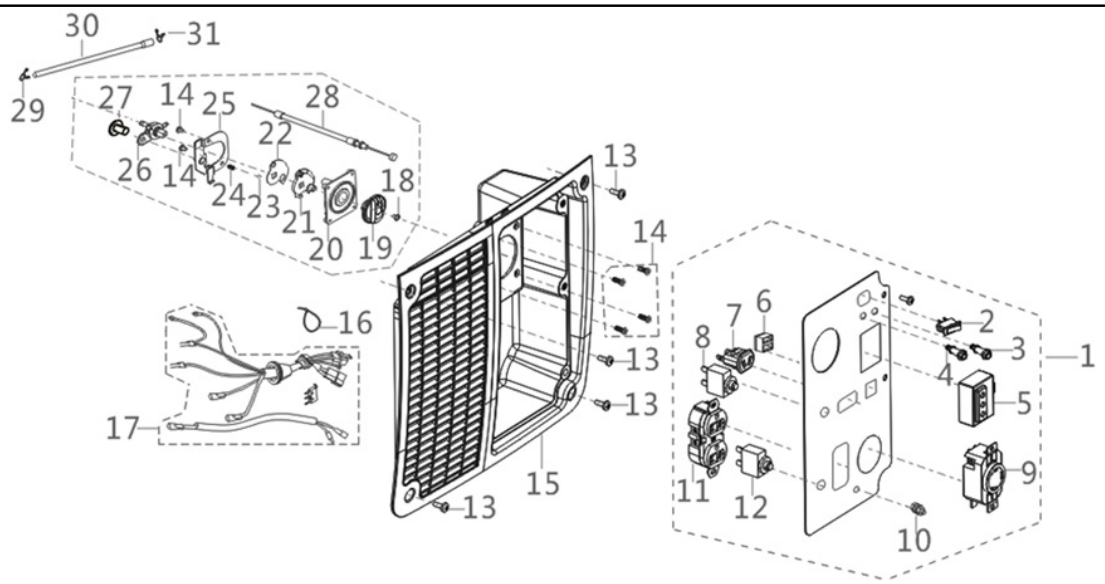
FIG.15 SHROUD



Item	Stock #	Description	Qty
FIG15-1	56310i-1501	STRIP, SHROUD SEAL	1
FIG15-2	56310i-1502	COVER, MUFFLER OUTER	1
FIG15-3	56310i-1503	CROSS-HEAD SELF-TAPPING SCREW	9
FIG15-4	56310i-1504	MUFFLER INSULATION GASKET	1
FIG15-5	56310i-1505	COVER, MUFFLER SIDE	1
FIG15-6	56310i-1506	CROSS-HEAD SCREW AND WASHER COMP.	6
FIG15-7	56310i-1507	STRIP, SHROUD SEAL	1

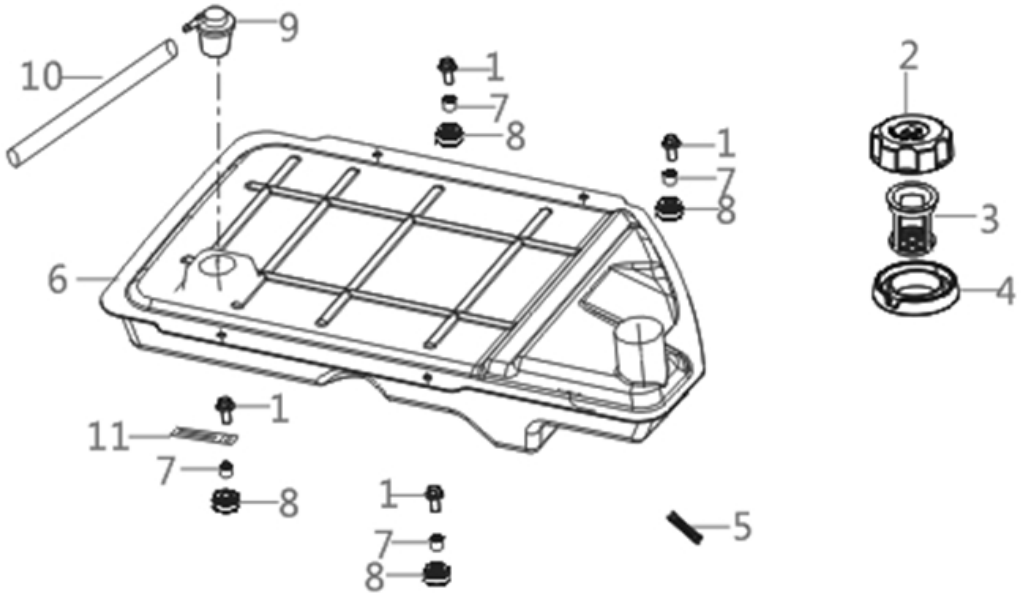
EXPLODED VIEW AND PARTS LIST

FIG.16 CONTROL PANEL



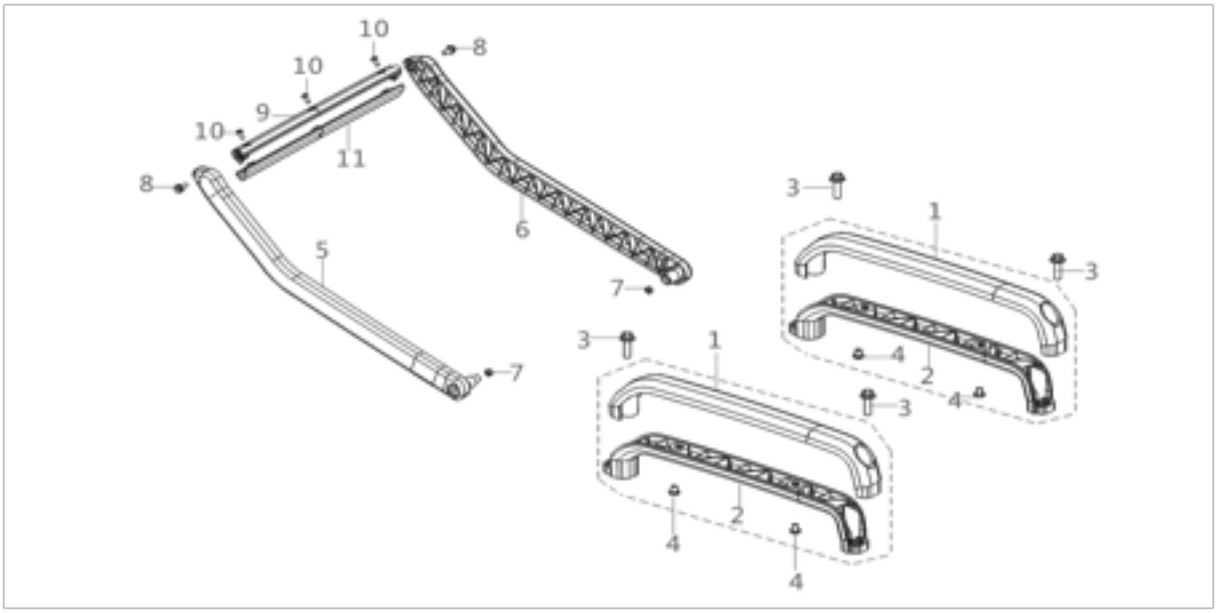
Item	Stock #	Description	Qty
FIG16-1	56310i-1601	PANEL, CONTROL,ASSY.	1
FIG16-2	56310i-1602	IDLE SWTICH	1
FIG16-3/4	56310i-1603	PARALLEL KIT	1
FIG16-5	56310i-1605	IGNITOR	1
FIG16-6	56310i-1606	USB OUTPUT	1
FIG16-7	56310i-1607	SOCKET SUBASSEMBLY, D.C	1
FIG16-8	56310i-1608	BREAKER	1
FIG16-9	56310i-1609	120 VOLT DUPLEX RECEPTACLE	1
FIG16-10	56310i-1610	GROUNDING TERMINAL COMBINATION	1
FIG16-11	56310i-1611	120 VOLT DUPLEX RECEPTACLE	1
FIG16-12	56310i-1612	CIRCUIT BREAKER 20 AMP 1 POLE	1
FIG16-13	56310i-1613	CROSS-HEAD SCREW AND WASHER COMP.	4
FIG16-14	56310i-1614	CROSS-HEAD SELF-TAPPING SCREW	6
FIG16-15	56310i-1615	SEAT, PANEL	1
FIG16-16	56310i-1616	BAND	4
FIG16-17	56310i-1617	HARNESS, CONTROL PANEL WIRING	1
FIG16-18	56310i-1618	SCREW	1
FIG16-19	56310i-1619	KNOB	1
FIG16-20	56310i-1620	WINCH BOX	1
FIG16-21	56310i-1621	COVER PLATE	1
FIG16-22	56310i-1622	BLOCK， CHOKE CABLE STOPPER	1
FIG16-23	56310i-1623	BALL, STEEL	1
FIG16-24	56310i-1624	SPRING, STOPPER ADJUSTING	1
FIG16-25	56310i-1625	BRACKET, FUEL COCK	1
FIG16-26	56310i-1626	COCK ASSY, FUEL	1
FIG16-27	56310i-1627	BOLT	1
FIG16-28	56310i-1628	HANDLE SUBASSEMBLY, CHOKE	1
FIG16-29	56310i-1629	COLLAR	1
FIG16-30	56310i-1630	COLLAR	1
FIG16-31	56310i-1631	TUBE, FUEL	1

FIG.17 FUEL TANK



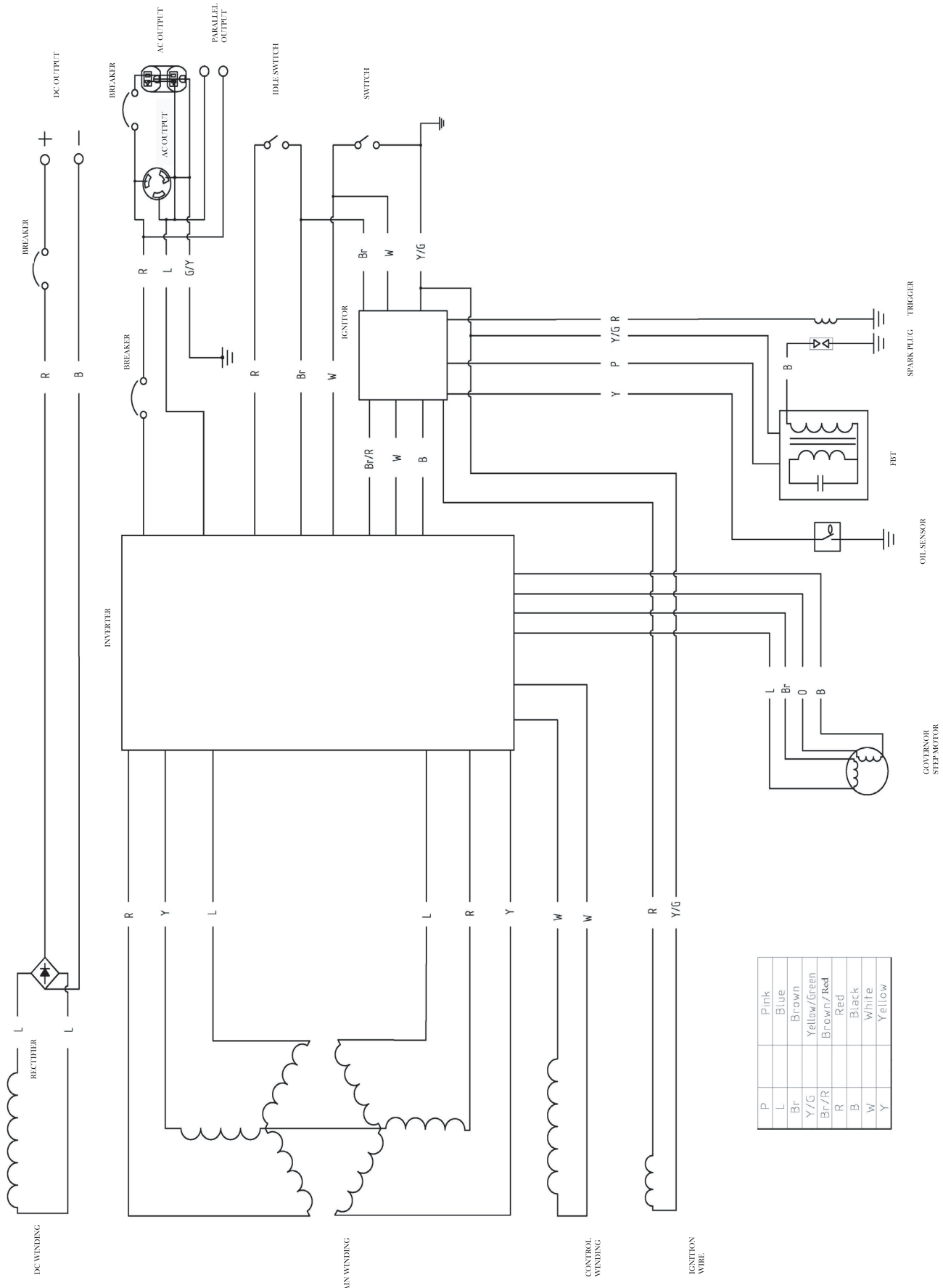
Item	Stock #	Description	Qty
FIG17-1	56310i-1701	BOLT	4
FIG17-2	56310i-1702	COVER, FUEL TANK	1
FIG17-3	56310i-1703	FUEL FILTER	1
FIG17-4	56310i-1704	SLEEVE, FILLING OIL HOLE RUBBER	1
FIG17-5	56310i-1705	FUEL FILTER	1
FIG17-6	56310i-1706	TANK, FUEL	1
FIG17-7	56310i-1707	BUSH	4
FIG17-8	56310i-1708	SLEEVE, FUEL TANK RUBBER	4
FIG17-9	56310i-1709	VALVE, ONE WAY	1
FIG17-10	56310i-1710	HOSE, FUEL STEAM RUBBER	1
FIG17-11	56310i-1711	CLIP	1

FIG.18 HANDLE



Item	Stock #	Description	Qty
FIG18-1	56310i-1801	HANDLE	2
FIG18-2	56310i-1802	HANDLE	2
FIG18-3	56310i-1803	BLOT	4
FIG18-4	56310i-1804	SCREW	4
FIG18-5	56310i-1805	ROTOR ARM	1
FIG18-6	56310i-1806	ROTOR ARM	1
FIG18-7	56310i-1807	NYLON NUT	2
FIG18-8	56310i-1808	BLOT	2
FIG18-9	56310i-1809	ROTATING BEAM	1
FIG18-10	56310i-1810	CROSS-HEAD SCREW	3
FIG18-11	56310i-1811	ROTATING BEAM	1

WIRING DIAGRAM



WARRANTY STATEMENT

Remember to save the receipt and to accurately fill out and mail the product registration card. Proof of purchase is required for all warranty work.

WEN® generators are under warranty to be free from defects in materials and workmanship for a period of two (2) years from date of original purchase. Generators used for Commercial or Rental use have a warranty period of 90 days from date of original purchase. Keep purchase receipt and mail in the product registration card for proof of purchase.

WEN® will repair or replace, at its discretion, any part that is proven to be defective in materials or workmanship under normal use during the two (2) years warranty period. Warranty repairs or replacements will be made without charge for parts or labor. Parts replaced during warranty repairs will be considered as part of the original product and will have the same warranty period as the original product.

To exercise the warranty, DO NOT RETURN TO RETAILER. Instead, call the toll free Customer Service number at (800) 232-1195 and you will be instructed on where to take the generator for warranty service. Take the generator and proof of purchase (the receipt) to the repair facility recommended by the Customer Service Representative. To make a claim under this Limited Warranty, you must make sure to keep a copy of your proof of purchase that clearly defines the Date of Purchase (month and year) and the Place of Purchase. Place of purchase must be a direct vendor of Great Lakes Technologies, LLC. Third party vendors such as garage sales, pawn shops, resale shops, or any other secondhand merchant void the warranty included with this product. Contact techsupport@wenproducts.com or 1-800-232-1195 to make arrangements for repairs and transportation.

When returning a product for warranty service, the shipping charges must be prepaid by the purchaser. The product must be shipped in its original container (or an equivalent), properly packed to withstand the hazards of shipment. The product must be fully insured with a copy of the warranty card and/or the proof of purchase enclosed. There must also be a description of the problem in order to help our repairs department diagnose and fix the issue. Repairs will be made and the product will be returned and shipped back to the purchaser at no charge.

THIS LIMITED WARRANTY DOES NOT APPLY TO ACCESSORY ITEMS THAT WEAR OUT FROM REGULAR USAGE OVER TIME INCLUDING BELTS, BRUSHES, BLADES, ETC.

The warranty does not extend to generators damaged or affected by fuel contamination, accidents, neglect, misuse, unauthorized alterations, use in an application for which the product was not designed and any other modifications or abuse.

WEN® is not liable for any indirect, incidental or consequential damages from the sale or use of this product. Any implied warranties are limited to two (2) years as stated in this written limited warranty. Some states do not allow the exclusion or limitation of incidental or consequential damages. Some states do not allow limitation on the length of an implied warranty. This warranty gives you specific legal rights, and you may have other rights that vary from state to state.

Thanks for remembering