GENPOWER

INVERTER GENERATOR

User Manual

[Revision 2.0]

THE BATTERY MAY HAVE SOME CHARGE ON ARRIVAL, IT IS IMPORTANT HOWEVER THAT THE BATTERY IS CHARGED PRIOR TO USE.

READ THIS MANUAL CAREFULLY BEFORE USE – FAILURE TO DO SO MAY RESULT IN INJURY, PROPERTY DAMAGE AND MAY VOID WARRANTY. • KEEP THIS MANUAL FOR FUTURE REFERENCE. • Products covered by this manual may vary in appearance, assembly, inclusions, specifications, description, and packaging.

The product is NOT supplied with engine oil, although traces of oil from the manufacturing process may be present. It is essential to add adequate engine oil of the correct type to the engine before use. Failure to add engine oil will void the product warranty.

Safety

Safety messages are designed to alert you to possible dangers or hazards that could cause death, injury or equipment or property damage if not understood or followed. Safety messages have the following symbols:

You WILL be KILLED or SERIOUSLY INJURED if you do not follow instructions.

You CAN be KILLED or SERIOUSLY INJURED if you do not follow instructions.

You CAN be INJURED if you do not follow instructions or equipment damage may occur.

It is vital that you read and understand this user manual before using the product, including safety warnings, and any assembly and operating instructions. Keep the manual for future reference.

Safety precautions and recommendations detailed here must be fully understood and followed to reduce the risk of injury, fire, explosion, electrical hazard, and/or property damage.

Safety information presented here is generic in nature – some advice may not be applicable to every product. The term "equipment" refers to the product, be it electrical mains powered, battery powered or combustion engine powered.

- **Before Use** - If you are not familiar with the safe operation/handling of the equipment or are in any way unsure of any aspect of suitability or correct use for your application, you should complete training conducted by a person or organization qualified in safe use and operation of this equipment, including fuel/electrical handling and safety.
- Do NOT operate the equipment in flammable or explosive environments, such as in the presence of flammable liquids, gases, or dust. The equipment may create sparks or heat that may ignite flammable substances.
- Keep clear of moving parts.
- Equipment may be a potential source of electric shock or injury if misused.
- Do NOT operate the equipment if it is damaged, malfunctioning or is in an excessively worn state.
- Do NOT allow others to use the equipment unless they have read this manual and are adequately trained.
- Keep packaging away from children - risk of suffocation! Operators must use the equipment correctly. When using the equipment, consider conditions and pay due care to persons and property.

General Work Area Safety

- Work areas should be clean and well it.
- Do not operate the equipment if bystanders, animals etc are within operating range of the equipment or the general work area.
- If devices are provided for connecting dust extraction / collection facilities, ensure these are connected and used properly. Dust collection can reduce dust-related hazards.

General Personal Safety

- Wear appropriate protective equipment when operating, servicing, or when in the operating area of the equipment to help protect from eye and ear injury, poisoning, burns, cutting and crush injuries. Protective equipment such as safety goggles, respirators, non-slip safety footwear, hard hat, hearing protection etc should be used for appropriate equipment / conditions. Other people nearby should also wear appropriate personal protective equipment. Do not wear loose clothing or jewellery, which can be caught in moving parts. Keep hair and clothing away from the equipment.
- Stay alert and use common sense when operating the equipment. Do not over-reach. Always maintain secure footing and balance.
- Do not use the equipment if tired or under the influence of drugs, alcohol, or medication.
- This equipment is not intended for use by persons with reduced physical, sensory, or mental capabilities.

General Fuel Safety

- Petrol/fuel/gasoline is extremely flammable – keep clear of naked flames or other ignition sources.
- Do not spill fuel. If you spill fuel, wipe it off the equipment immediately – if fuel gets on your clothing, change clothing.
- Do NOT smoke near fuel or when refuelling.
- Always shut off the engine before refuelling.
- Do NOT refuel a hot engine.
- Open the fuel cap carefully to allow any pressure build-up in the tank to release slowly.
- Always refuel in well-ventilated areas.
- Always check for fuel leakage. If fuel leakage is found, do not start, or run the engine until all leaks are fixed.

General Carbon-Monoxide Safety

- Using a combustion engine indoors **CAN KILL IN MINUTES**. Engine exhaust contains carbon-monoxide – a poison you cannot smell or see.
- Use combustion engines OUTSIDE only, and far away from windows, doors, and vents.

General Equipment Use and Care

- Keep packaging away from children and pets, potential risk of suffocation or choking.
- The equipment is designed for domestic use only.
- Handle the equipment safely and carefully.
- Before use, inspect the equipment for misalignment or binding of moving parts, loose components, damage, or any other condition that may affect its operation. If damaged, have the equipment repaired by an authorised service centre or technician before use.
- Prevent unintentional starting of the equipment - ensure equipment and power switches are in the OFF position before connecting or moving equipment. Do not carry equipment with hands or fingers touching any controls. Remove any tools or other items that are not a part of the equipment from it before starting or switching on.
- Do not force the equipment. Use the correct equipment for your application. Equipment will perform better and be safer when used within its design and usage parameters.
- Use the equipment and accessories etc. in accordance with these instructions, considering working conditions and the work to be performed. Using the equipment for operations different from those intended could result in hazardous situations.
- Always keep equipment components (engines, hoses, handles, controls, frames, housings, guards etc) and accessories (cutting tools, nozzles, bits etc) properly maintained. Keep the equipment clean and, where applicable, properly lubricated.
- Store the equipment out of reach of children or untrained persons. To avoid burns or fire hazards, let the equipment cool completely before transporting or storing. Never place or store the equipment near flammable materials, combustible gases, or liquids etc.
- The equipment is not weather-proof, and should not be stored in direct sunlight, at high ambient temperatures or locations that are damp or humid.
- Do not clean equipment with solvents, flammable liquids, or harsh abrasives.
- For specific equipment safety use and care, see Equipment Safety.

General Electrical Safety

- Inspect electrical equipment, extension cords, power bars, and electrical fittings for damage or wear before each use. Repair or replace damaged equipment immediately.
- Ensure all power sources conform to equipment voltage requirements and are disconnected before connecting or disconnecting equipment.
- When wiring electrically powered equipment, follow all electrical and safety codes.
- Always use a Residual Current Device (RCD) (GFCI) / Earth Leakage Circuit Breaker / Safety Switch when operating this item (electrical items only).
- High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.

General Electrical Safety

- Electrically grounded equipment must have an approved cord and plug and be connected to a grounded electrical outlet.
- Do NOT bypass the ON/OFF switch and operate equipment by connecting and disconnecting the electrical cord.
- Do NOT use equipment that has exposed wiring, damaged switches, covers or guards.
- Do NOT use electrical equipment in wet conditions or in damp locations.
- Do NOT use electrical cords to lift, move or carry equipment.
- Do NOT coil or knot electrical cords, and ensure electrical cords are not trip hazards.

General Service Information

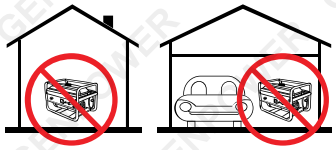
- The equipment must be serviced or repaired at authorised service centres by qualified personnel only.
- Replacement parts must be original equipment manufacturer (OEM) to ensure equipment safety is maintained.
- Do NOT attempt any maintenance or repair work not described in this manual.
- After use, the equipment and components may still be hot – allow the equipment to cool and disconnect spark plugs and/or electrical power sources and/or batteries from it before adjusting, changing accessories, or performing repair or maintenance.
- Do NOT adjust while the equipment is running.
- Perform service-related activities in suitable conditions, such as a workshop.
- Replace worn, damaged or missing warning/safety labels immediately.

Child Choking Hazard!

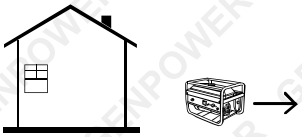
- **WARNING: CHOKING HAZARD - CHILDREN UNDER 8 YRS. CAN CHOKE OR SUFFOCATE ON SMALL PARTS. ADULT SUPERVISION REQUIRED.**
- Carefully inspect anything a baby or child could gain access to, including this product & packaging.
- Dangers include anything of a size that could become stuck or lodged in a baby or child's airway.
- Dangers include things like raw, hard fruit and vegetable pieces, large pieces of meat, bones or sausage skins, popcorn, nuts, hard lollies and corn chips, small magnets and batteries, coins, beads, marbles and small uninflated balloons, broken toys and smaller toys, buttons, keys, and coins. But there are also many more.
- Pay particular attention to accessories, nuts, bolts, screws, washers, caps, covers, loose parts, parts that could be removed or break off, pieces of packaging, staples, tape etc.
- In the case of any doubt, secure the item of concern in an appropriate manner, or completely remove the possibility of access by a baby or child.

⚠ DANGER ⚠

Using an engine or wood/charcoal/gas fuelled appliance indoors CAN KILL YOU IN MINUTES. Engine exhaust and wood/charcoal/gas fumes contain carbon monoxide. This is a poison you cannot see or smell.



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



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

Avoid other hazards - READ MANUAL BEFORE USE.

GENERAL:
- Do not operate in a hazardous location. Such areas include where there is a risk of explosion of petrol fumes, leaking gas or explosive dusts.
- Do not operate in a confined area where exhaust gases or wood/charcoal/gas fumes could reach dangerous concentrations.

PRODUCTS FEATURING AN ENGINE
- Follow all warnings in the section titled "GENERAL".
- Explosion hazard - never smoke while refuelling.
- Take care not to spill fuel. When refuelling the engine, ensure that the engine has been allowed to cool. Prevent spilling of fuel as this may also ignite with a hot engine.
- Never refuel while engine is running.

GENERATORS
- Follow all warnings in the sections titled "GENERAL" and "PRODUCTS FEATURING AN ENGINE".
- The output of this generator is potentially lethal. The generator should not be connected to a fixed electrical installation except by an appropriately licensed person.
- Not weatherproof – protect your machine. This machine is not weatherproof and should not be exposed to direct sunlight, high ambient temperature, damp conditions, wet conditions or high humidity conditions.

Inverter Generator Safety

- The manufacturer cannot anticipate every possible hazardous circumstance that the user may encounter. Therefore, the warnings in this manual, on tags, and on affixed decals are not all-inclusive. To avoid accidents, the user must understand and follow all manual instructions and use common sense.
- Read and understand this manual in its entirety before operating. Improper use of this generator could result in serious injury or death.
- Engine exhaust contains chemicals known to cause cancer and birth defects.
- Always wash hands after handling the generator.
- Fuel is combustible and easily ignited. Do not refuel during operation. Do not refuel while smoking or near naked flames. Do not spill fuel.
- Exhaust gas is poisonous; do not operate in an unventilated area.
- Using a generator indoors CAN KILL YOU IN MINUTES!

- Carbon monoxide gas is a poisonous, odourless gas that can cause headache, confusion, fatigue, nausea, fainting, sickness, seizures, or death. If you start to experience any of these symptoms, IMMEDIATELY get fresh air and seek medical attention.
- Never use indoors, in a covered area, or in a confined space, even if doors and windows are open.
- Install a battery-operated carbon monoxide alarm near bedrooms.
- Keep exhaust from this unit from entering a confined area through windows, doors, vents, or other openings.
- When working in areas where vapours could be inhaled, use a respirator mask according to all instructions.
- Never exceed the generator's wattage/amperage capacity. This could damage the generator and/or connected electrical devices.
- Check the operating voltage and frequency requirements of all electrical devices before plugging them into the generator.
- Never start or stop the engine with electrical devices plugged into the receptacles. Failure to do so could damage the generator and/or electrical devices.
- Always start the engine and let it stabilise before connecting any electronic devices.
- Disconnect all electronic devices before stopping the engine.
- The starter and other moving parts can catch on clothing, jewellery, and hair.
- Do not wear loose clothing or gloves.
- Remove jewellery or anything else that could be caught in moving parts.
- Tie back or wear protective head covering to contain long hair.
- The pull cord recoils rapidly and pulls the arm towards the engine faster than you can let go, which could result in injury.
- To avoid injury from the sudden change of rotation direction of the engine, pull the starter cord slowly until resistance is felt, then pull rapidly.
- Avoid contact with hot areas of this unit.
- Use caution around the muffler, cylinder, and other engine parts as they can be extremely hot.
- Allow hot components to cool before touching.
- The user must respect the precautions for re-supplying an installation with power from generator sets, depending on the existing protective measures in the installation and applicable regulations.
- The user must conform to electrical safety regulations applicable to the location where the generator sets are used.
- This generator produces a very high voltage, which could result in burns or electrocution, causing serious injury or death.
- Never handle the generator, electronic devices, or any cords while standing in water, barefoot, or when hands or feet are wet.
- Always keep the generator dry. Never operate the generator in rain or under wet conditions.
- Never plug electronic devices into the generator if they have frayed, worn, or bare wires. Never touch bare wires or make contact with receptacles.
- Never allow a child or unqualified person to operate the generator. Keep children at least 10 feet away from the generator at all times.
- If using the generator for backup power, notify the utility company.
- If connecting the generator to a building's electrical system for standby power, you must use a qualified electrician to install a transfer switch. Failure to isolate the generator from the power utility could result in serious injury or death to utility workers.
- When using extension leads or mobile distribution networks, the total length of leads with a cross section of 1.5 mm² should not exceed 60 m, and for a cross section of 2.5 mm², this should not exceed 100 m.
- The generator set must not be connected to other power sources, except with accessories advised by the manufacturer or other generators of the same model.
- Save these instructions. Refer to them frequently and use them to instruct others who may use this product. If you loan someone this product, provide these instructions as well.
- Due to high mechanical stresses, only tough rubber-sheathed flexible cable (in accordance with IEC60245-4) or the equivalent should be used.
- The generator must be properly grounded to prevent electrocution.
- Only operate the generator on a level surface.
- Always connect the nut and grounding terminal on the frame to an appropriate ground source.
- Only use this unit as intended, or serious injury or death could result.
- Do not bypass any safety device. Moving parts are covered with guards. Ensure all protective guards are in place.
- Never transport or make adjustments to this unit while it is running.
- Never insert objects through the cooling slots.
- Never operate this unit if there are any broken or missing parts, and only use replacement parts specifically designed for this unit.
- Improper treatment of the generator can damage the unit and shorten its life.
- Always repair this unit as specified in this manual. If you have any questions, contact your dealer or consult a qualified service centre.
- Shut the generator off if the electrical output is missing, the unit vibrates excessively, or it begins to smoke, spark, or emit flames.
- To reduce the risk of serious injury, avoid attempting to lift the generator alone.

Safety Symbols

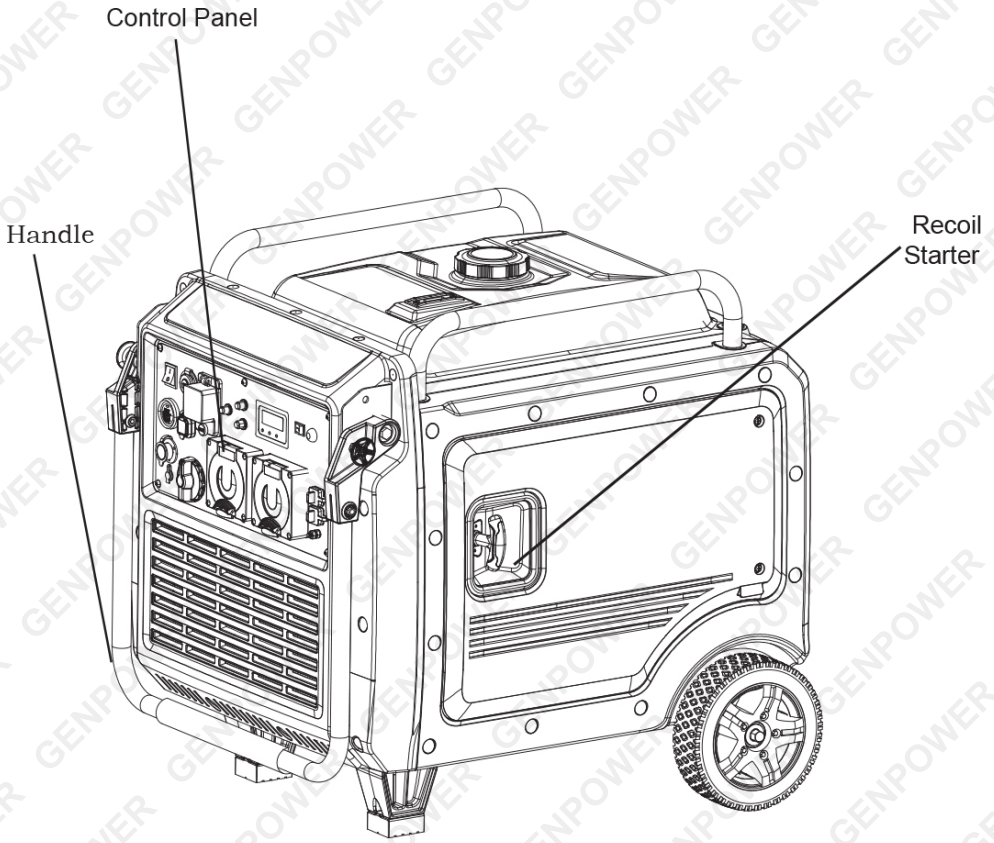
The product may have safety warning labels attached to it, explained below. Understand the symbols on your product and their meanings. If any stickers become unreadable, unattached etc., replace them.

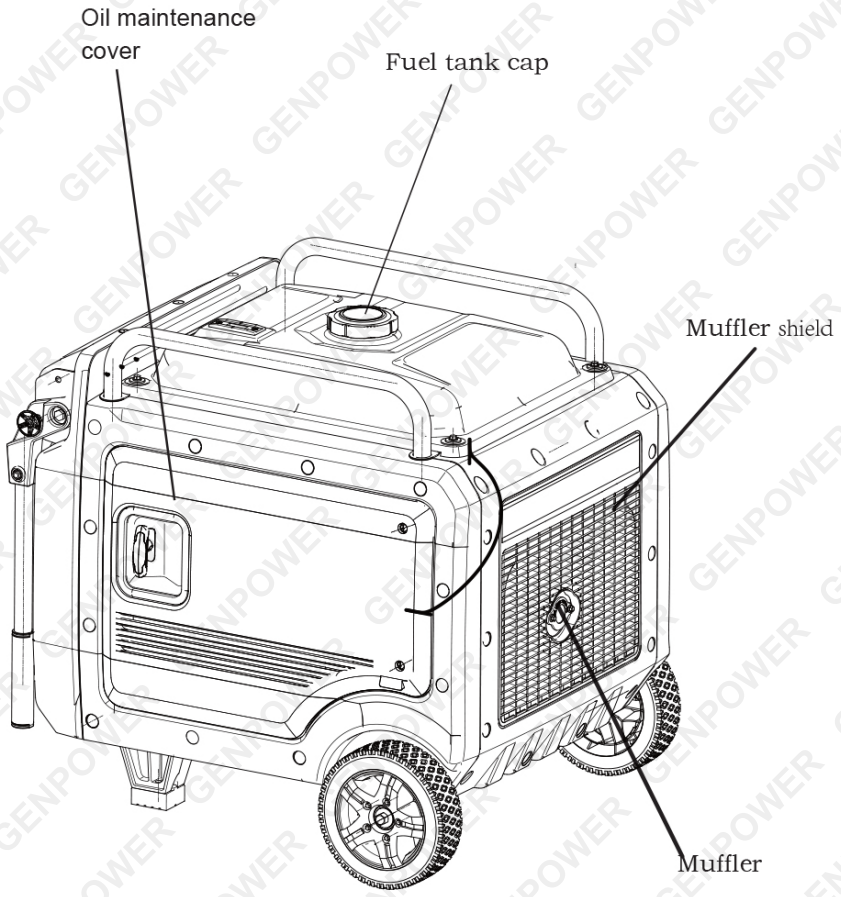
 **Flammable Material Hazard** Flammable liquids, gases, or substances etc may present. Avoid ignition sources and open flames. Danger of fire.	 **Read User Manual** Read and fully understand product safety warnings, operation, procedures etc before using the product.	 **Use Hand Protection** Wear appropriate hand protection and take due care as the product or use of the product may present hand hazards.	 **Carbon-Monoxide Hazard** Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.
 **Electrocution / Electrical Shock Hazard** High voltage or high current electricity may be present or required by the product. Take due care when handling electrical products, cables, plugs and leads. Electrical shock can be fatal.	 **Toxic Fumes / Dust Hazard** Using the product or by-products from use may produce fumes, smoke or particles that could be harmful if inhaled. Wear appropriate breathing protection and have adequate ventilation.	 **Explosive Material Hazard** Combustible liquids, gases, or substances etc may be present. Avoid ignition sources and open flames. Danger of explosion.	 **Cutting / Amputation Hazard** The product may have blades, edges or mechanical devices that can cause severe cut injury to fingers, limbs etc. Take due care when handling and using the product.
 **Crush Hazard** The product may have blades, edges or mechanical devices that can cause severe crush injury to fingers, limbs etc. Take due care when handling and using the product.	 **Single Operator Only** The product must be operated by a single person only. More than one person operating the product may introduce additional hazards.	 **Use Face Protection** Wear appropriate full-face protection and take due care as the product or use of the product may present face and eye hazards.	 **Use Foot Protection** Wear appropriate foot protection and take due care as the product or use of the product may present foot hazards.
 **Use Eye / Ear / Head Protection** Wear appropriate eye and / or ear and / or head protection and take due care as the product or use of the product may present eye, hearing, and head hazards.	 **Running Hazard** Do not run on or near the product as doing so may present a fall hazard.	 **Diving Hazard** Do not dive into the product as doing so may present a neck / head injury hazard.	 **Adult Supervision Required** Always supervise children and other users of a product to prevent drowning or injury.
 **Skin Penetration / Puncture Hazard** The product may produce pressure, emit liquids or objects that can cause severe injury to fingers, limbs, blood etc. Take due care when handling and using the product.	 **Hot Surface Hazard** Be aware that the product may produce high temperatures and hot surfaces that can cause burn injuries.	 **Flying Debris Hazard** Be aware that the product or use of the product may present hazards produced by flying debris. Wear appropriate clothing and protective devices.	 **Moving Parts Hazard** Be aware that the product contains or uses mechanical devices that move or rotate. Always wait for moving parts to stop fully before handling the product, adjusting, maintenance etc.

 **Carbon-Monoxide Hazard** Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.	 **Pull Hazard** Be aware that the product contains or uses mechanical devices that can pull in objects and can cause severe injury to fingers, limbs etc. Take due care when handling and using the product.	 **Slope / Fall Injury Hazard** Be aware that using the product on sloping surfaces or in slippery conditions may present additional dangers from falls and contact with blades, moving parts, hot surfaces etc.	 **"Slam Dunk" Warning** Do NOT attempt "slam dunk" manoeuvres as this may result in severe injury due to falling, product breakage or collapse etc.
 **Electrocution / Electrical Shock Hazard - Outdoor** High voltage or high current electricity may be present or required by the product. Do NOT use in rain, damp, or wet conditions. Electrical shock can be fatal.	 **Electrocution / Electrical Shock Hazard - Disconnect** High voltage or high current electricity may be present or required by the product. Always disconnect the product from the electrical supply before handling the product, adjusting, maintenance etc.	 **Power Line Electrocution Hazard** High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.	 **"Kick-Back" Hazard** High level of "kick-back" hazard that can cause the machine to suddenly rotate towards operator. Kick-back injury can be fatal.
 **Winch Operator Position Hazard** Do NOT stand between winch and load. Do NOT use winch to move people.	 **Winch Lift Hazard** Do NOT LIFT load vertically. Use machine to PULL only.	 **Cable Hazard** Ensure that load bearing cable is not kinked or knotted.	 **Winch Cable Hazard** Ensure that there is a minimum number of cable coils on winching mechanism.
 **Winch Hook Hazard** Carry hook to load – do NOT throw or run.	 **Flash / Blinding Hazard** Wear appropriate eye protection for welding. Direct exposure to weld arcs may cause permanent eye injury.	 **Laser Hazard** Laser may be in use – do NOT look directly at laser or allow others to.	 **Choking Hazard** Children under 8 yrs. Can choke or suffocate on small parts. Adult supervision required.

Table of Contents

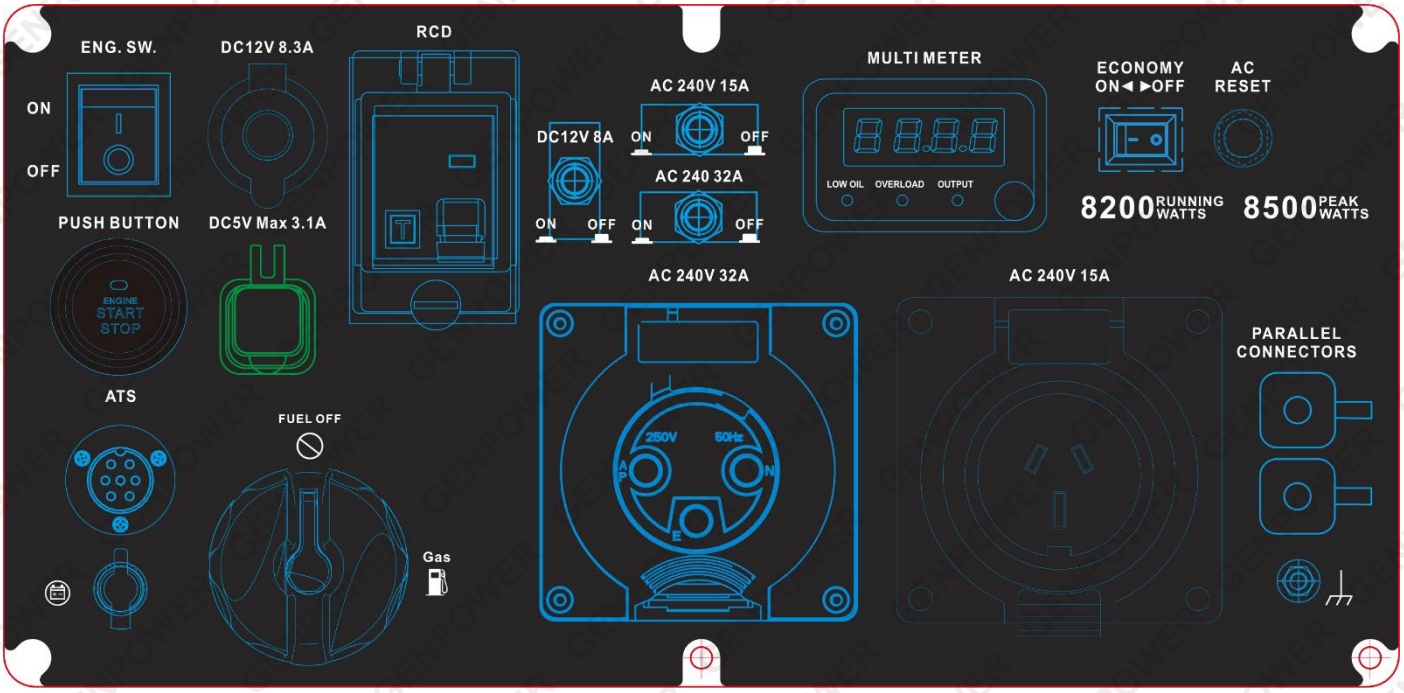
Parts Identification





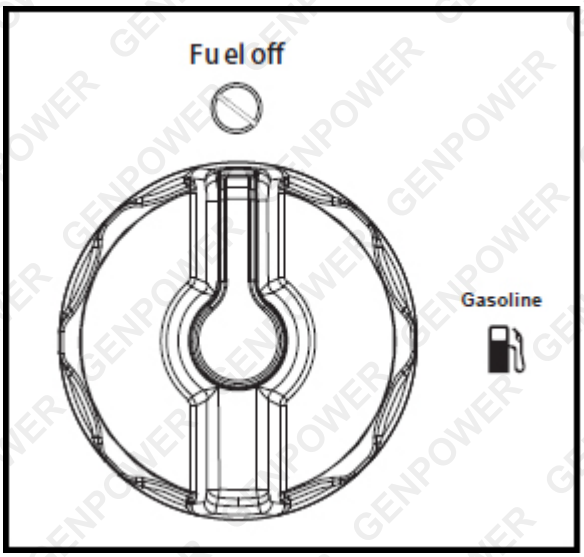
Control Panel Functions

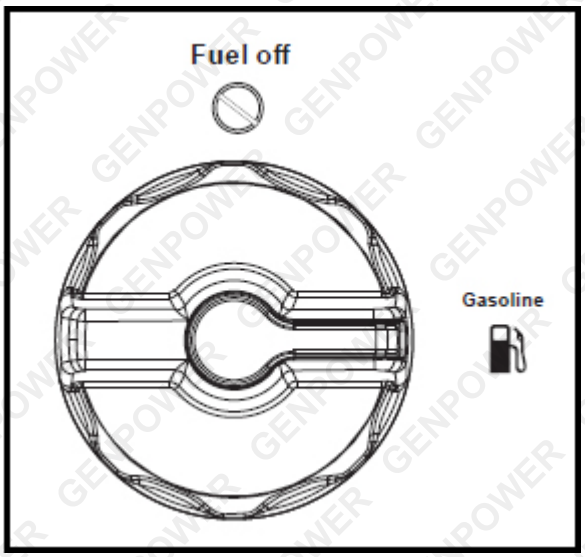
Control Panel



Start Knob

- When the start knob is in the "Fuel Off" position, the engine cannot start.
- When the start knob is in the "Gasoline" position and the fuel switch is in the open position, the engine can start.





On Running Indicator Light

When the generator is running normally, the "On" indicator light shows green, indicating that the generator is operating correctly.

Overload Indicator Light

When the overload indicator light remains red, it indicates that the load has exceeded the specified current. The generator will then implement overload protection and stop supplying external power. At this point, you must disconnect the electrical equipment and press the "Reset" button on the panel to reset the output. Once the breaker is opened, the generator will resume output.

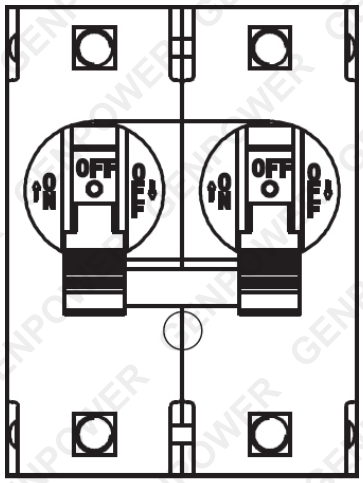
Low Oil Level Indicator Light

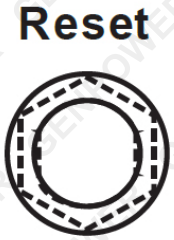
When the "Low Oil" indicator light shows red, it indicates that the engine oil level is below the required amount and needs to be refilled. In this condition, the engine cannot be started or used.

Note: When the generator is first started, the overload indicator light may illuminate for a few seconds. This is a normal occurrence.

DC Circuit Breaker

When the DC Circuit Breaker is in the “ON” position, the generator is able to supply power to connected electronic devices. When the DC Circuit Breaker is in the “OFF” position, the generator will no longer supply power. The DC Circuit Breaker automatically turns “OFF” when the connected electronic devices exceed the generator’s rated output. If the DC Circuit Breaker turns off, reduce the load of the connected devices until it is within the specified rated output. To re-establish power, return the DC Circuit Breaker to the “ON” position. At the same time, the reset switch needs to be reset.



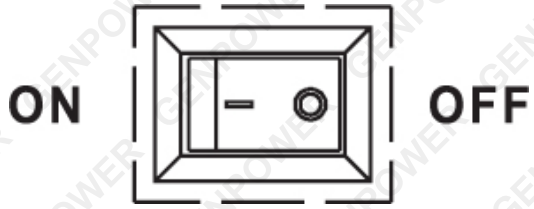


CAUTION: If the DC Circuit Breaker turns off again, stop using the generator immediately and consult your dealer.

Engine ECO Control

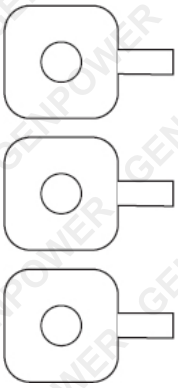
When the Engine ECO switch is turned to the “ON” position, the economy control unit automatically determines the generator’s proper engine speed based on the connected electronic load. This results in superior fuel economy and reduces noise.

When the ECO switch is turned to the “OFF” position, the engine runs at the rated speed of 3000 r/min.



Note: The ECO switch must be turned to the “OFF” position when using electronic devices that require a large starting current, such as a compressor.

Parallel Outlets

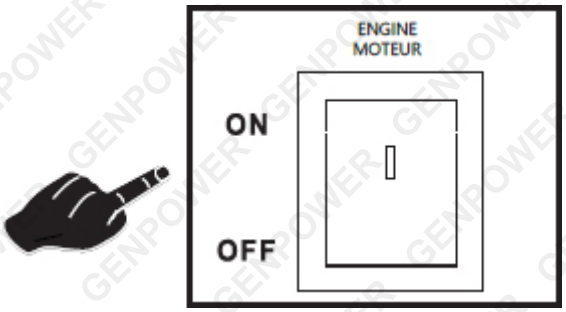


Located on the right side of the panel, the generator’s Parallel Outlets enable a user to run two GP9000ie generators simultaneously. This operation requires special cables. When operating parallel generators, the rated output is 14.7 kW. For cables and instructions, consult a dealer for a Parallel Operation Cable Kit.

WARNING: Never connect generators that are different models. Only connect this generator to another GP9000ie Standard Generator or GP9000ie Companion Generator. Only use a brand-approved parallel operation cable kit to connect generators.

Battery Switch

When starting the generator, turn on the switch, and turn it off when the generator is not in use.

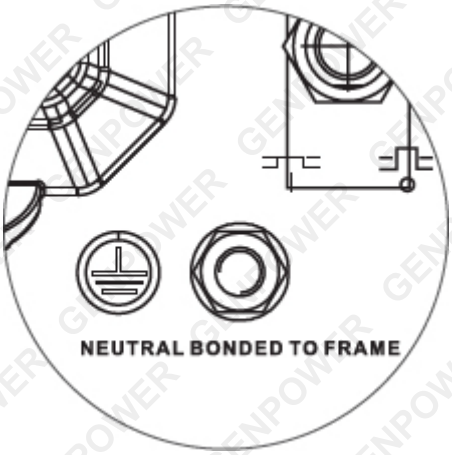


Push Button Start/Stop

When the battery switch is on, long-press the button to automatically start the generator, and press it again to stop the generator.

Grounding Terminal

The generator's grounding terminal must always be used to connect the generator to a driven ground rod. Connect the grounding terminal to the driven ground rod with a No. 8 AWG (American Wire Gauge) copper wire. The wire should be connected to the terminal between the lock washer and the nut. Tighten the nut securely to ensure a good connection. Grounding the generator protects you from electric shock caused by static electricity build-up or undetected ground faults.



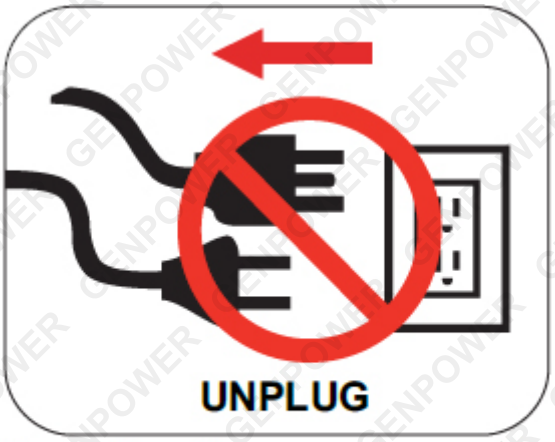
NOTE: Grounding wire not included.

WARNING: The generator must be properly grounded to prevent electrocution. Only operate the generator on a level surface. Always connect the nut and grounding terminal on the frame to an appropriate ground source.

Preparation

Connecting Generator to an Electrical System

If connecting the generator to a building's electrical system for standby power, you must use a qualified electrician to install a transfer switch. The power from the generator must be isolated from the circuit breaker or any alternative power source. The connection must comply with all electrical codes and applicable laws.



WARNING! This generator produces a very high voltage, which could result in burns or electrocution, causing serious injury or death.

Never handle the generator, electronic devices, or any cords while standing in water, barefoot, or when hands or feet are wet.

Always keep the generator dry. Never operate the generator in rain or under wet conditions.

Never plug electronic devices into the generator if they have frayed, worn, or bare wires. Never touch bare wires or make contact with receptacles.

Never allow a child or an unqualified person to operate the generator. Keep children at least 10 feet away from the generator at all times.

If using the generator for backup power, notify the utility company.

If connecting the generator to a building's electrical system for standby power, you must use a qualified electrician to install a transfer switch. Failure to isolate the generator from the power utility could result in serious injury or death to utility workers.

When using extension cords or mobile distribution networks, the total length of cords with a cross section of 1.5 mm² should not exceed 60 m; for a cross section of 2.5 mm², this should not exceed 100 m.

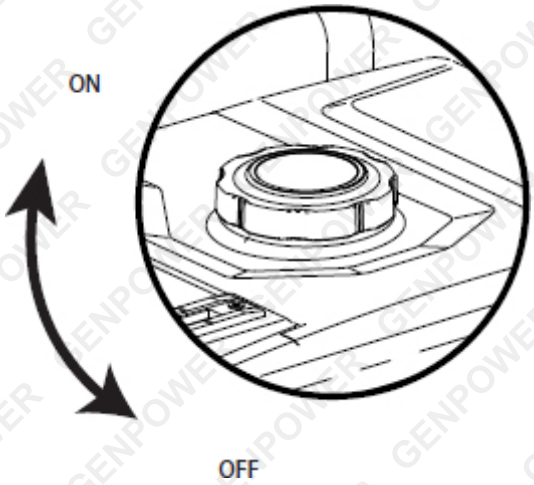
The generating set must not be connected to other power sources, except with accessories recommended by the manufacturer or with other generators of the same model.

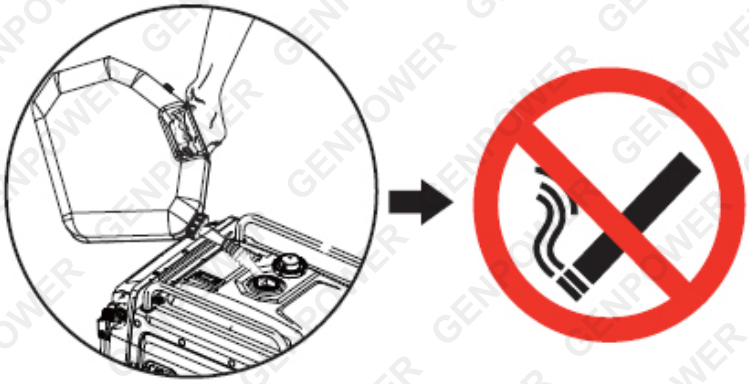
Save these instructions. Refer to them frequently, and use them to instruct others who may use this product. If you loan someone this product, loan these instructions as well.

Due to high mechanical stresses, only tough rubber-sheathed flexible cables (in accordance with IEC60245-4) or the equivalent should be used.

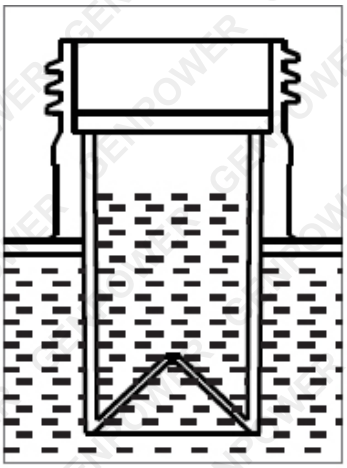
Adding Fuel

1. Set the generator on a clean, level surface in a well-ventilated area.
2. Remove the fuel cap.
3. Insert a funnel into the fuel tank and carefully pour petrol into the tank until the fuel level reaches about 1 ½ inches below the top of the neck. Be careful not to overfill the tank to allow space for fuel expansion.
4. Replace the fuel cap and secure it tightly.





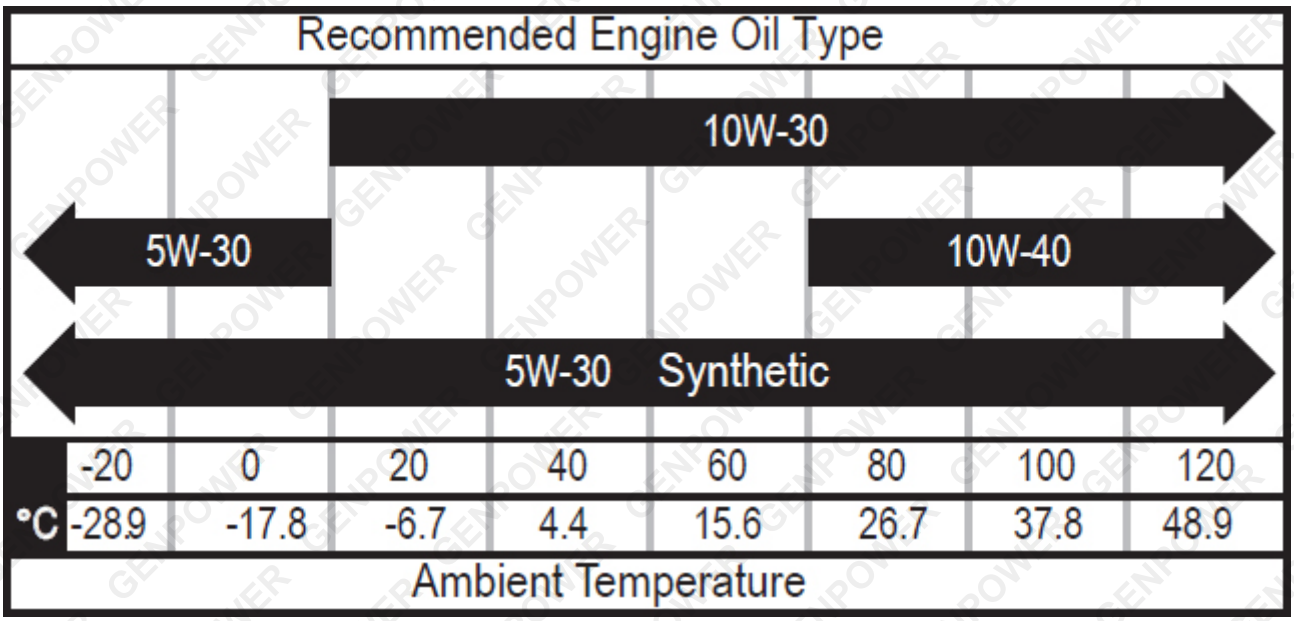
Do not smoke when adding fuel.



Do not to overfill the tank to provide space for fuel expansion.

Adding / Checking Engine Oil

The recommended oil type for typical use is 10W-30 engine oil. If running the generator in extreme temperatures, refer to the following chart.



NOTE: Check the engine oil level before each use or every 8 hours of operation.

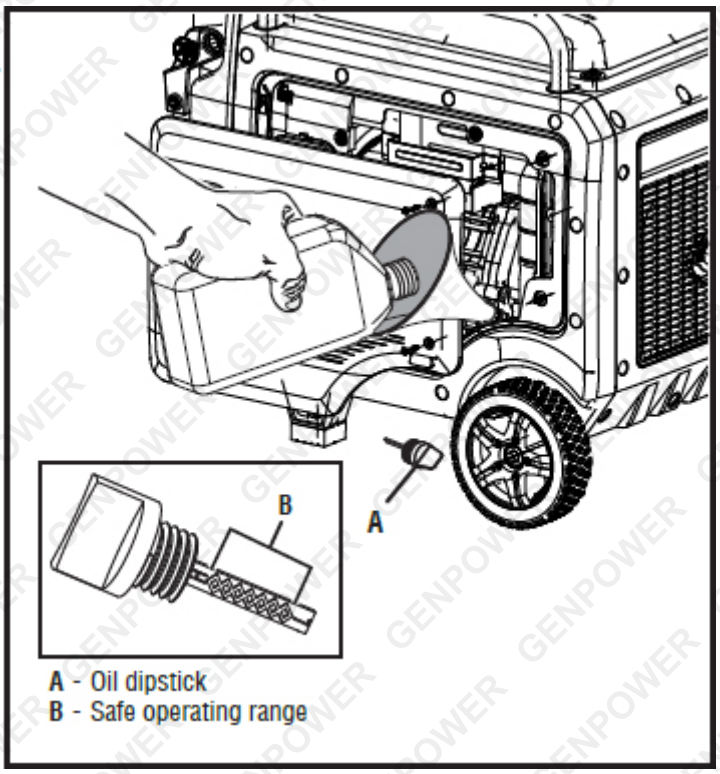
1. Turn the generator off and allow the engine to cool for at least five minutes.
2. Place the generator on a level surface in a well-ventilated area.
3. Remove the bolt.
4. Remove the engine service cover.
5. Clean the area around the oil dipstick.

For initial oil fill:

6. Slowly unscrew and remove the oil dipstick.
7. Using a funnel, slowly pour the supplied engine oil into the oil fill hole. Stop frequently to ensure you do not overfill.

NOTE: Your generator was functionally tested at the factory and may contain minimum residual oil. Additional oil is required to operate the unit. Do not overfill.

8. Replace and tighten the oil dipstick.
9. Install the engine service cover and tighten the bolts.



To check oil level:

1. Slowly unscrew and remove the oil dipstick.
2. Clean the dipstick and re-seat it inside the oil fill hole without threading it.
3. Remove the dipstick and verify that the oil level is within the safe operating range.
4. If the oil level is low, add the recommended engine oil incrementally and recheck until the level is within the safe operating range.
5. Replace the oil dipstick and hand-tighten.
6. Install the engine service cover and tighten the bolts.

Recommended Oil: SAE 10W-30

CAUTION: The generator has been shipped without engine oil. You must add oil before operating the generator for the first time. Always check the oil level before each operation.

Connecting the Battery

To connect the battery, open the cover on the pull-start handle side, then connect the wire ends together.

Operation

Grounding the Generator

To avoid electrocution, this generator must be properly grounded prior to use.

Standard Atmospheric Conditions

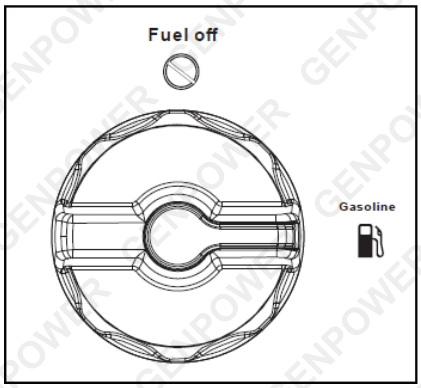
- Ambient Temperature: 77ºF (25ºC)
- Barometric Pressure: 100 kPa
- Relative Humidity: 30%

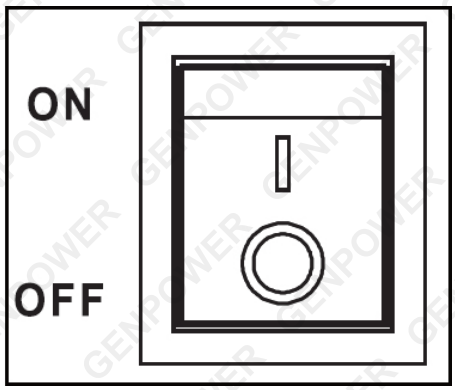
Generator output will vary due to changes in temperature, altitude, and humidity. If the temperature, humidity, or altitude are higher than the standard atmospheric conditions, the generator's output will be reduced. The load attached to the generator must be reduced accordingly.

Generator Start

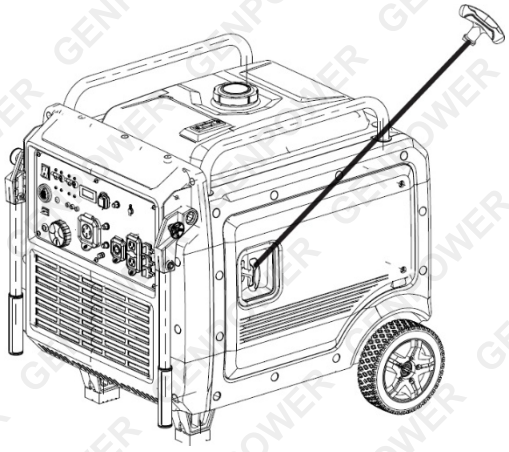
Recoil Start

1. Place the generator on a level surface. All electrical loads MUST be disconnected from the generator.
2. Turn the knob switch to the "Gasoline" position.
3. Turn the battery switch to the "ON" position.





4. First, gently pull the handle until the cable is taut, then pull hard and quickly.



Tip: When pulling the handle, hold the generator with your other hand to prevent it from tipping over.

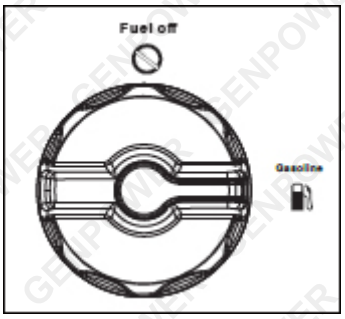
A. When the ambient temperature is below 0℃ (32°F), allow the generator to heat for 3 minutes.

B. When the ambient temperature is above 0℃, allow the generator to heat for 1 minute.

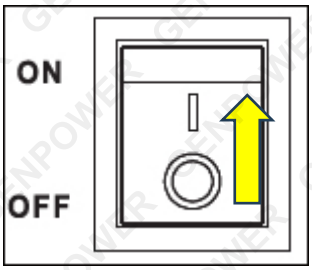
C. After running for the recommended time, it is advised to engage the energy-saving mode.

One Push Start & Remote Start

1. Place the generator on a level surface. All electrical loads MUST be disconnected from the generator.
2. Turn the knob switch to the "Gasoline" position.



3. Turn the battery switch to the "ON" position.

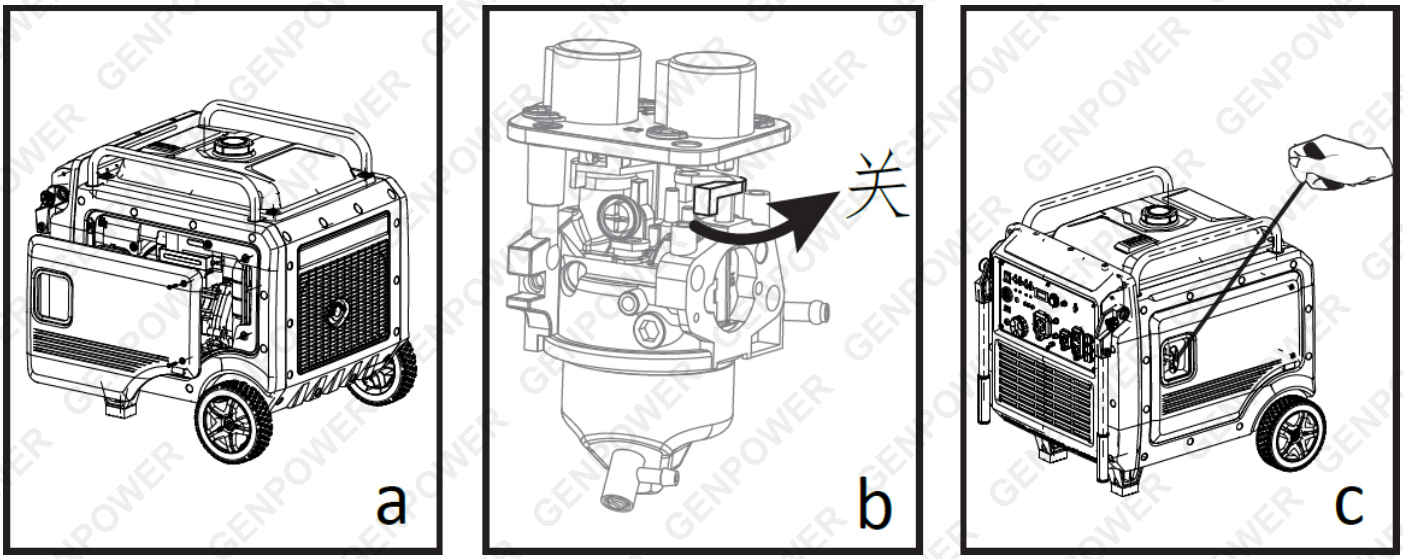


4. Long-press the one-button start switch, and the engine will automatically start. If the start fails, the engine will attempt to start again twice automatically.

NOTE: Push start will not operate until the battery has been connected.

5. Remote Start: Push and hold the "ON" button on the remote start key fob for 0.5 seconds.

6. When the battery is exhausted, start the generator manually as follows:
   a. Open the side panel.
   b. Manually adjust the damper to the closed position.
   c. Start manually using the recoil starter.
   d. Reassemble the baffle.



A. When the ambient temperature is below 0℃ (32°F), allow the generator to heat for 3 minutes.

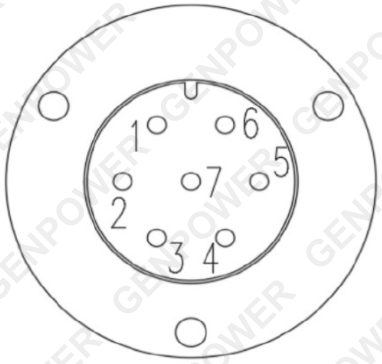
B. When the ambient temperature is above 0℃, allow the generator to heat for 1 minute.

C. After the recommended heating time, it is advised to enable energy-saving mode.

Connecting Electrical Equipment

Tip: When using devices such as air compressors and sump pumps, the energy-saving mode must be turned off due to the large starting current required.

ATS Connection



Number	Connection function
1	Battery Positive
2	Battery Negative
3	Start/Stop Signal
4	Kill Switch Wire
5	RPM Signal
6	RPM Signal
7	Not connected

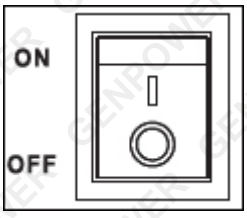
How to Stop the Engine

One Push Start & Remote Start

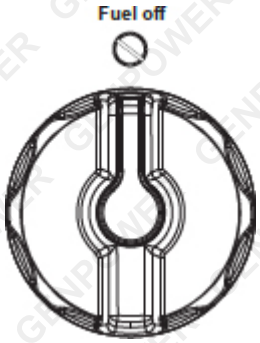
1. Disconnect any electronic devices. All loads MUST be disconnected from the generator. Never start or stop the engine with electrical devices plugged into the receptacles.
   a. One Push Off/One Push Start: Press the switch for 1 second and release it to turn off the generator.

   b. Remote Off: Press the stop button on the remote-control key for 1 second, and the generator will shut down.

2. Press the power switch to the "Off" position.



3. Turn the fuel switch to the "Off" position.



WARNING! Never start or stop the engine with electrical devices plugged into the receptacles. Failure to do so could damage the generator and/or connected electronic devices. Always start the engine and allow it to stabilise before connecting any electronic devices. Disconnect all electronic devices before stopping the engine.

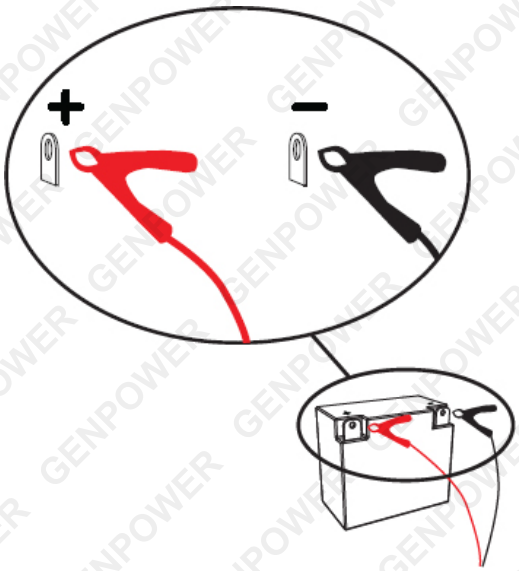
How to Attach Electronic Devices

1. Before Starting the Generator
   a. Ensure the generator is grounded.
   b. Confirm the attached load is within the generator's rated output and the receptacle's rated current.
   c. Ensure all electrical cords and receptacles are in good condition.
   d. Make sure all electronic devices are turned "OFF" before plugging them into the generator.
2. Start the Engine
3. If the attached load is small, turn the ECO switch to the "ON" position.
4. For a larger load, or if attaching multiple electronic devices, turn the ECO switch to the "OFF" position.
5. Ensure the green AC pilot indicator light is on.
6. When the engine has stabilised, plug in and turn on the first load. It is strongly recommended to plug in devices with the largest output first and the smallest output last to help prevent overloading the generator.
7. Allow the generator output to stabilise (engine and attached devices running smoothly) before plugging in the next load.

Charging a 12 Volt Battery

This generator can be used to charge a 12-volt automotive or storage battery by following these steps:

1. Inspect the fluid level of the battery cells. Add distilled water to any cell where the fluid level is low. **NEVER ADD TAP WATER.**
2. Use a wire brush to clean battery terminals if corroded.
3. Before connecting the battery to the generator, start the generator engine. Make sure the DC Protector is turned to the "ON" position.
4. Securely connect the red cable clamp to the positive (+) battery terminal.
5. Securely connect the black cable clamp to the negative (-) battery terminal.



6. Turn the ESC switch to the “OFF” position to start battery charging.
7. The battery is considered fully charged when the gravity of its fluid is between 1.26 and 1.28 when measured by a hydrometer.

Note: It is strongly recommended to check the gravity level of the electrolyte at least once per hour with a hydrometer to prevent overcharging and to test the battery’s condition. Be sure to follow the hydrometer manufacturer’s instructions.

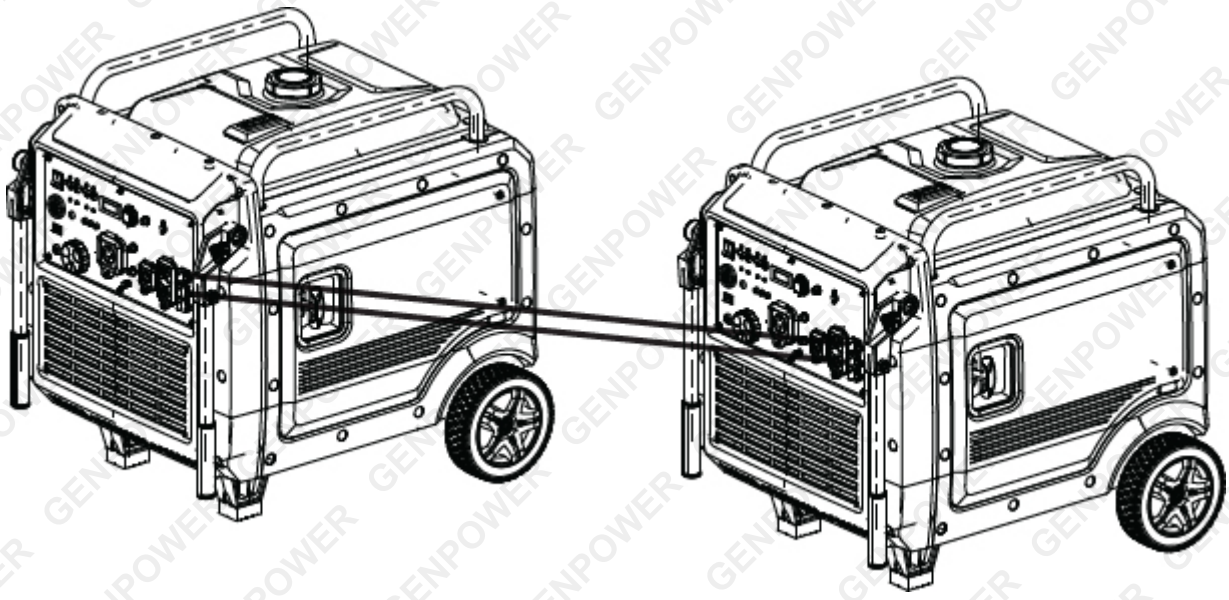
WARNING: Battery electrolyte is poisonous and dangerous. Do not disconnect battery clamps while charging. Batteries produce explosive gases. Disconnecting the battery clamps while charging could cause sparks and ignition. Do not charge the battery in an enclosed area. Never smoke while charging the battery, operating the generator, or fueling the generator. Battery electrolyte contains sulfuric acid. Avoid contact with skin, eyes, and clothing. Always wear eye protection when charging the battery. If battery acid contacts the skin, flush with water immediately. If it contacts the eyes, flush with water for 15 minutes and seek immediate medical attention. For internal ingestion, drink large quantities of water or milk, followed by milk of magnesia, beaten egg, or vegetable oil. Contact a physician immediately.

AC Parallel Operation

The GP9000ie generator has two models that are compatible with each other (Standard and Companion). It is possible to connect two GP9000ie generators to each other using a parallel cable kit.

1. Connect PARALLEL OPERATION CABLES to two GP9000ie generators according to the instructions provided with the cable kit.
2. Make sure the ECO switch is in the same position on both generators.
3. All electronic devices should be turned "OFF" and disconnected from the generators prior to starting the generator engines.
4. Start the generator engines. Make sure the green output indicator light comes on for each generator.
5. When the engine has stabilised, plug in the electronic device to the AC receptacle and turn on the first load.
6. Allow the generator output to stabilise (engine and attached devices running smoothly) before plugging in the next load.

Maximum Power in Parallel Operation: 14.7 kW Rated Power in Parallel



Note: It is strongly recommended to plug in devices with the largest output first and the smallest output last to help prevent overloading the generator.

Note: Most electronic devices require power beyond their rated wattage to start. This additional power is referred to as surge watts and usually lasts between 2-3 seconds. When an electronic device is started, the red overload indicator may come on. This is normal. If the light stays on, disconnect all electronic devices and stop the engine.

WARNING: Only connect electronic devices to the generator that are in good working order and do not exceed the rated power supply of the parallel generators or the desired receptacle. A faulty appliance or power cord can create an electric shock. Do not use electronic devices that have a damaged cord or plug. If an appliance begins to operate abnormally, becomes sluggish, or stalls, turn it off and disconnect the appliance immediately. The appliance may have a fault or its rated load capacity may exceed the power supply of the generator. To avoid damage to the generator or the electronic device, do not connect a load to the generator if its electrical rating exceeds that of the receptacle.

WARNING: Never connect generators that are different models. Only connect this generator to another GP9000ie generator or GP9000ie Companion Generator. Only use brand-approved parallel operation cable kits to connect generators. The parallel cable must be removed if operating only one generator. Never disconnect or remove the parallel operation cable while the generator is still running.

Don’t Overload Generator

Make sure the generator can supply enough rated watts for all electronic devices connected to it. Rated watts refer to the power a generator must supply to keep a device running. Surge watts refer to the additional power a generator must supply to start an electronic device. This power surge usually lasts between 2-3 seconds, but it must be taken into account when selecting the devices you plan to attach to the generator.

To prevent overloading the generator, follow these steps:

1. Add up the total rated wattage of all electronic devices that will be connected to the generator simultaneously.
2. Estimate the surge watts by adding the surge output of the item(s) with the highest demand (it is unnecessary to calculate the surge output for all devices, as they should be connected one at a time).
3. Add the surge watts to the total rated watts from step 1. Ensure the total load stays within the generator’s power capacity.

Wattage Reference Guide

Wattages listed are just approximations. Check electronic device for actual wattage.

	Rated Watts	Surge Watts
Essentials		
75W Light Bulbs	75 each	75 each
18 CU Ft Refrigerator / Freezer	800	2200
Furnace Fan (⅓ HP)	800	2350
Sump Pump (⅓ HP)	1000	2000
Water Pump (⅓ HP)	1000	3000
Heating/Cooling		
Dehumidifier	650	800

	Rated Watts	Surge Watts
Table Fan	800	2000
Electric Blanket	400	400
Space Heater	1800	1800
Kitchen		
Blender	300	900
Toaster (2 slice)	1000	1600
Coffee Maker	1500	1500
Electric Range (1 element)	1500	1500
Dishwasher	1500	3000
Laundry Room		
Iron	1200	1200
Washing Machine	1150	3400
Gas Clothes Dryer	700	2500
Bathroom		
Hair Dryer	1250	0
Curling Iron	1500	0
Family Room		
X-Box or Play Station	40	0
AM/FM Radio	100	100
VCR	100	100
Colour TV (27”)	500	500
Home Office		
Fax Machine	65	0
Personal Computer (17” Monitor)	800	0
Laser Printer	950	0
Copy Machine	1600	0
Power Tools		
1000W Quartz Halogen Work Light	1000	0
Airless Sprayer (⅓ HP)	600	1200
Reciprocity Saw	960	0
Circular Saw (7 ¼”)	1400	2300
Miter Saw (10”)	1800	1800
Table/Radial Arm Saw	2000	2000
Electric Drill (½ HP, 5.4 Amps)	600	900

Lead-Acid Battery Care and Maintenance

Top 3 Battery Care Requirements

1. **Charge battery before first use**. The battery may arrive with some charge, regardless of this the battery must be charged on the initial charge and for each subsequent charge.

2. **Charge battery immediately when it is depleted.** Do not store a depleted battery. This will permanently impact the life of the battery. If the battery is going to be stored for a period of time, fully charge the battery before storing.

To ensure the battery maintains optimum performance, follow the guidelines outlined below.

- For best results, charge batteries in temperatures between 10°C and 30°C
- When battery is charged, disconnect the charger from the power supply and remove the battery from the charger.
- Inspect the terminals, screws, clamps and cables for breakage, damage, or loose connections. These should be clean, tight, and free of corrosion.
- Use only with the battery charger specified by the manufacturer.
- Ensure that the battery charger electrical cord is not subjected to damage or stress. Do not operate the battery charger if it has a damaged electrical cord or plug.
- Do not use the charger in wet areas or expose it to rain or water.
- Keep the battery clean, dry, free of dirt and grime. A dirty battery can discharge across the grime on top of the battery casing.
- Apply a thin coating of high temperature grease to posts and cable connections for added protection.
- Inspect the battery case for obvious signs of physical damage or warpage. This usually indicates the battery has been overheated or has been overcharged.
- Batteries can explode in the presence of an ignition source, such as a pilot light. To reduce the risk of serious personal injury, never use any cordless product in the presence of open flame. Exploding batteries can propel debris and chemicals.
- Do not open the battery – danger of short-circuiting and/or explosion.
- Do not attempt to destroy or disassemble the battery pack or remove any of its components.
- Do not touch the battery terminals with metal objects and/or body parts as short-circuit and/or personal injury may result.
- Explosion hazard – protect the battery against heat, for example, direct sunlight and fire. Do not store batteries in vehicles or locations subject to heat.
- Explosion hazard – do not open and/or short-circuit the battery.
- Poison hazard – battery leakage (liquid ejection). Under extreme conditions, liquid may be ejected from the battery – avoid contact. If contact accidentally occurs, immediately seek medical attention, and flush with water. If liquid contacts eyes, immediately seek medical attention, flush with clean water for at least 10 minutes. Liquid ejected from the battery may cause irritation or burns.
- Dispose of non-serviceable batteries in an environmentally responsible manner and according to local regulations.

Failure to adhere to the requirements above may result in the battery becoming inoperative or battery life being reduced. In extreme cases or abuse, battery overheating, or fire may result.

Maintenance

Regular maintenance will extend the life of this generator and improve its performance. The warranty does not cover items that result from operator negligence, misuse, or abuse. To receive full value from the warranty, the operator must maintain the generator as instructed in this manual, including proper storage.

WARNING! Before inspecting or servicing this machine, ensure the engine is off and no parts are moving. Disconnect the spark plug wire and move it away from the spark plug.

CAUTION! If you are unsure of how to perform a maintenance task, have the unit serviced by our dealers.

CAUTION! Only use our specified replacement parts.

Maintenance Schedule

Pre-Operation Steps

Before starting the engine, perform the following steps:

1. Check the engine oil level and the fuel tank level. Check for any leakage.
2. Inspect the fuel hose for cracks or damage. Replace if necessary.
3. Ensure the air filter is clean.
4. Remove any debris that has collected on the generator and around the muffler and controls. Use a vacuum cleaner to pick up loose debris. If dirt is caked on, use a soft bristle brush.
5. Inspect the work area for hazards.

After Each Use

Follow this procedure after each use:

1. Shut off the engine.
2. Store the unit in a clean and dry area.

Interval	Task
After First 5 Hours	Change Oil.
After 8 Hours or Daily	Clean Debris.
	Check Engine Oil Level.
6 Months (100 hr Use)	Check and Clean Air Filter Element. (Service more often under wet or dusty conditions.)
	Change Engine Oil. (Service more often under dirty or dusty conditions.)
	Check Muffler Screen. Replace if necessary.
	Service Spark Plug.
	Inspect Muffler and Spark Arrester.
12 Months (300 hr Use)	Clean Fuel Filter. Replace if necessary.
	Check Crankcase Breather Hose for cracks or damage. Replace if necessary.
	De-carbonize Cylinder Head. Contact authorised service centre or a qualified technician.

Interval	Task
	Check and Adjust Valve Clearance. Contact authorised service centre or a qualified technician.
	Check all Fittings and Fasteners. Contact authorised service centre or a qualified technician.

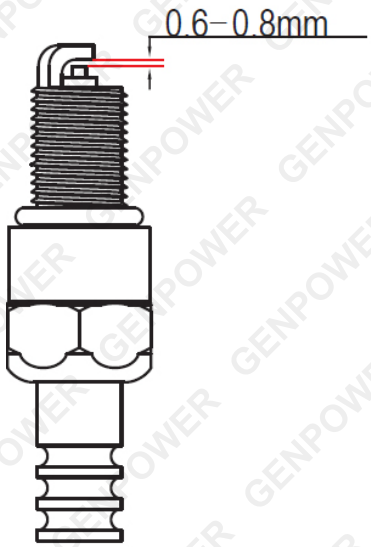
Checking the Spark Plug

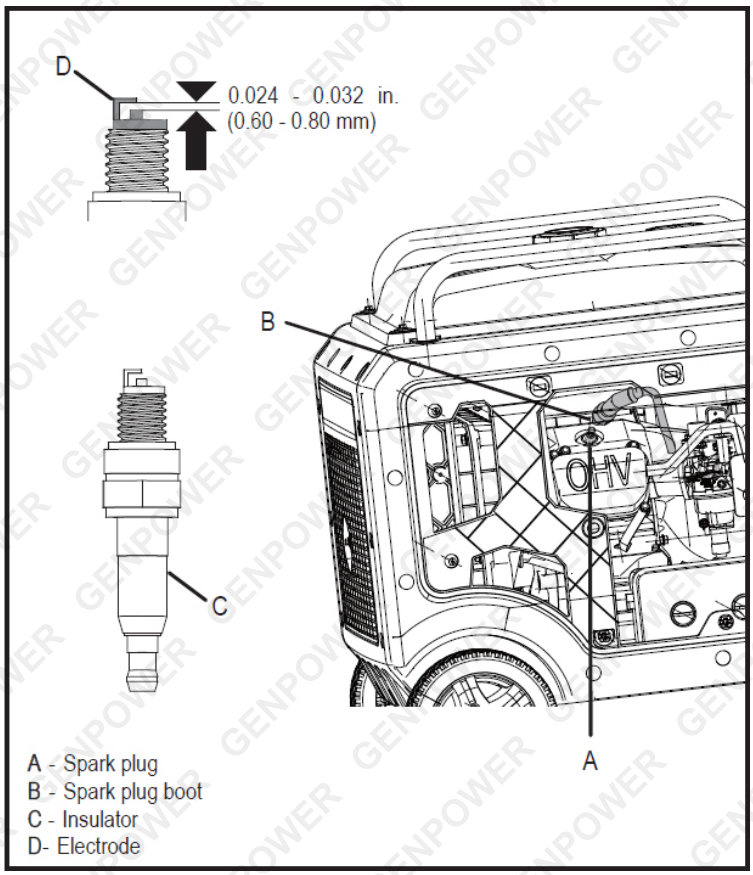
1. Remove the cap, then remove the spark plug cap.
2. Disconnect the spark plug wire from the spark plug.
3. Before removing the spark plug, clean the area around its base to prevent debris from entering the engine.
4. Insert a spark plug socket wrench through the opening on the outside of the cover. Turn the wrench counterclockwise.
5. Check for discolouration and clean carbon deposits off the electrode with a wire brush.
6. Check the electrode gap and adjust it to 0.7 - 0.8 mm (0.028 - 0.031 in) if necessary.
7. Reinstall the spark plug and tighten it to a torque of 20.0 Nm (14.8 ft-lb).
8. If the spark plug is worn, replace it only with an equivalent replacement part. The spark plug should be replaced annually.
9. Reconnect the spark plug wire.
10. Replace the spark plug cap, then replace the cover.

Standard Spark Plug: F7RTC

Spark Plug Gap: 0.6 - 0.8 mm (0.024 - 0.032 in)

Spark Plug Torque: 25.0 Nm (18.4 lbf.ft)





Carburettor Adjustment

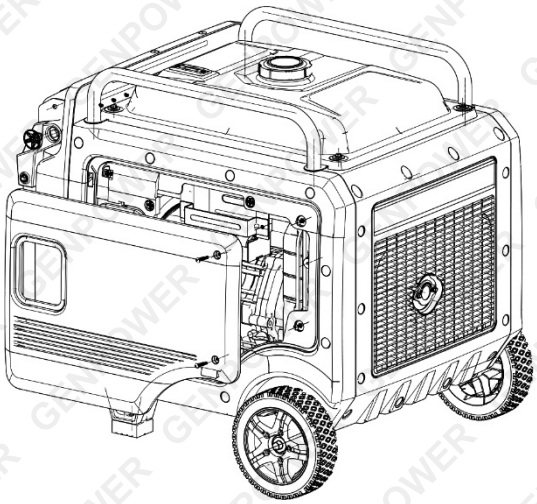
The carburettor is low emission and is equipped with a non-adjustable idle mixture valve. If adjustment is needed, contact an authorised dealer.

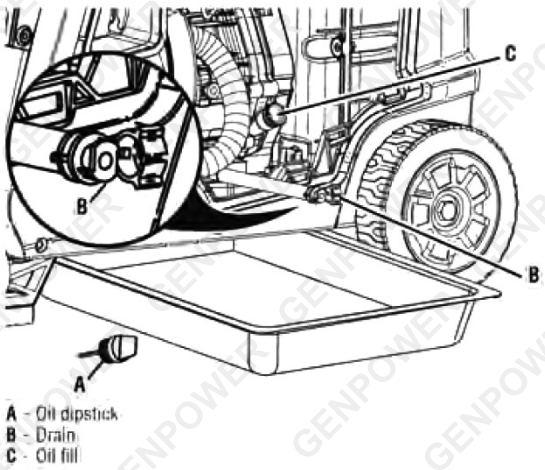
Changing Oil

1. Place the generator on a level surface.
2. Run the generator for several minutes until the engine is warm, then turn off the generator.
3. Remove the screws, then remove the outer casing.
4. Remove the crankcase dipstick.
5. Place an oil pan underneath the engine. Tilt the generator to collect the used oil. Allow the oil to drain completely.
6. Return the generator to a level surface.
7. Carefully add 4-cycle engine oil (SAE 10W-30) to the empty reservoir until the oil reaches the outer edge of the oil fill hole (crankcase dipstick hole).
8. Use a clean rag to wipe up any spilled oil.
9. Replace the crankcase dipstick.
10. Reinstall the outer casing and tighten the screws.

Recommended Engine Oil: SAE 10W-30

Recommended Engine Oil Grade: API Service SE type or higher quality engine oil



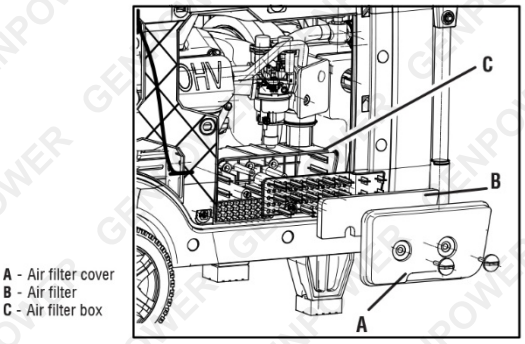


CAUTION! Do not tilt the generator when adding oil. This could result in overfilling, which could damage the engine. Make sure no foreign matter enters the crankcase.

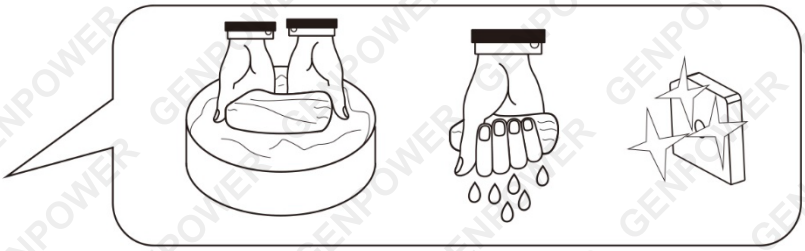
Air Filter

A dirty air filter will reduce the lifespan of the engine, make it difficult to start, and reduce the unit's performance. Replace with a new filter annually.

1. To clean, remove the screws, then remove the outer casing.
2. Remove the screws, then remove the air filter cover.
3. Remove the foam element.
4. Wash the foam element in solvent and let it dry.
5. Pour a small amount of oil on the foam element, then squeeze out the excess oil (do not wring it out). The foam element should be damp but not dripping.
6. Reinsert the foam element into the air filter case.



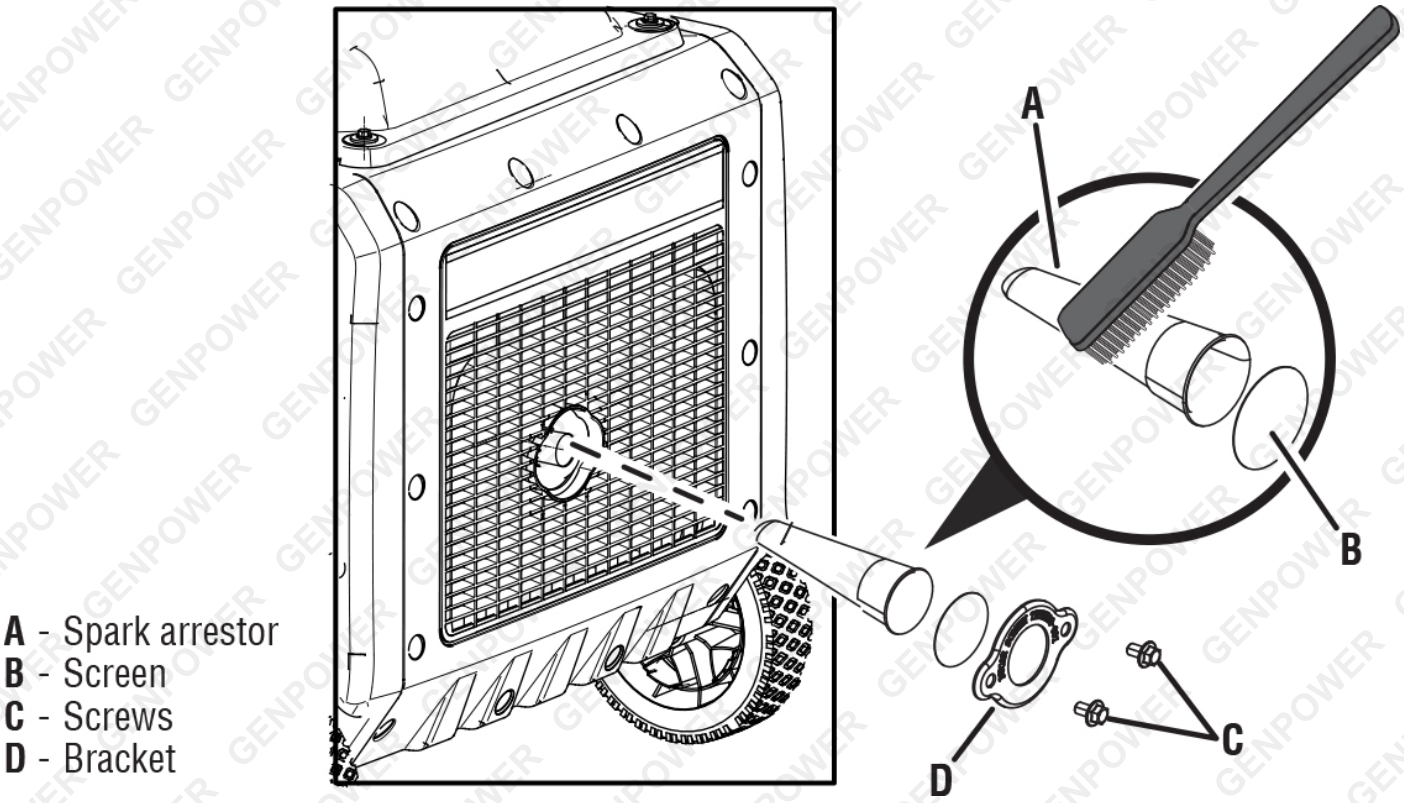
A - Air filter cover
B - Air filter
C - Air filter box



CAUTION! Do not run the generator without reinstalling the foam element, as this may result in excessive piston and cylinder wear.

Checking Muffler and Spark Arrester

1. Inspect the muffler for cracks, corrosion, or other damage.
2. Loosen the bolt, then remove the muffler cap, muffler screen, and spark arrester.
3. Check the muffler screen and spark arrester for carbon deposits. Remove carbon deposits with a wire brush.
4. Check the muffler screen and spark arrester for damage. If damaged, replace them with our replacement parts specifically designed for this unit.
5. Install the spark arrester, aligning the spark arrester projection with the hole in the muffler pipe.
6. Install the muffler screen and muffler cap.



WARNING! Avoid contact with hot areas of the unit. Use caution around the muffler, cylinder, and other engine parts as they can be extremely hot. Allow hot components to cool before touching.

Fuel Tank Filter

1. To clean, remove the fuel cap and filter.
2. Clean the filter with petrol.
3. Wipe the filter with a clean rag.
4. Reinstall the filter.
5. Reinstall the fuel cap.

Fuel Filter

1. To clean, remove the screws, remove the outer casing, and drain the fuel.
2. Lift and hold the clamp, then remove the hose from the tank.
3. Take out the fuel filter.
4. Clean the filter with petrol.
5. Wipe the filter with a clean rag and return it to the tank.
6. Install the hose and clamp.
7. Open the fuel valve and inspect for leaks.
8. Reinstall the outer casing and tighten the screws.

Storage

To protect your generator from deterioration during long-term storage, take the following preventative measures:

Exterior

- Remove any debris that has collected on the generator and around the muffler and controls. Use a vacuum cleaner to pick up loose debris. If dirt is caked on, use a soft bristle brush.
- Inspect air cooling slots and remove any debris if obstructed.
- Store indoors and use a protective cover to shield the generator from dust.

Fuel

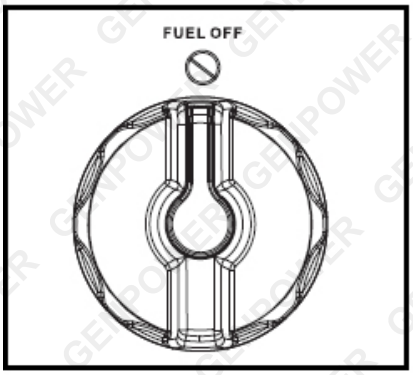
- For short-term storage, add a fuel stabiliser to prevent stale fuel from causing acid and gum deposits in the fuel system and carburettor.
- For long-term storage, drain the fuel.

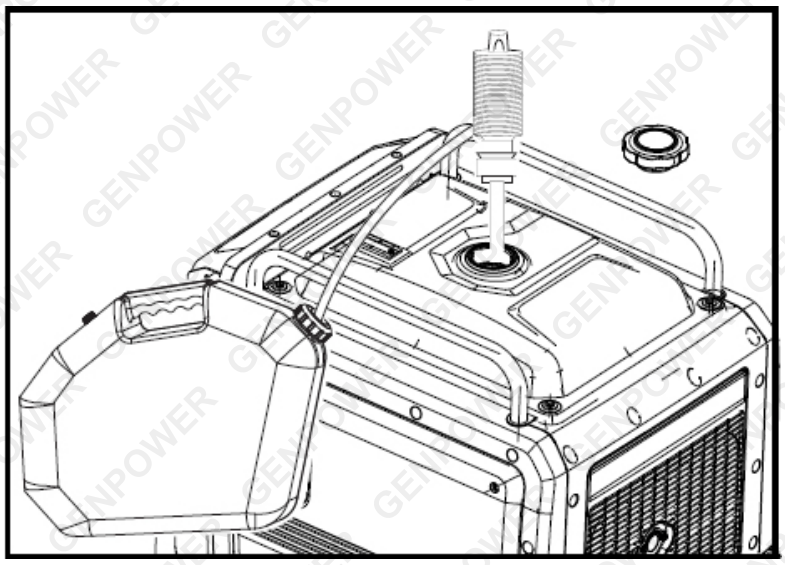
Engine

- Remove the spark plug. Pour about 1 tablespoon of SAE 10W-30 engine oil into the spark plug hole, then reinstall the spark plug.
- With the 3-in-1 switch in the "OFF" position, pull the recoil starter several times to coat the cylinder walls with oil.
- Slowly pull the recoil starter until you feel the engine build compression (when you feel resistance). Leave the engine in this state. This will help prevent rust build-up in the cylinder walls.

How to Drain Fuel

1. Turn the switch to the “OFF” position.
2. Remove the fuel cap and fuel tank filter.
3. Use a siphon to transfer petrol from the generator into a petrol-approved container.
4. Wipe up any spilled fuel with a clean rag.
5. Start the generator engine and let it run until it stops, and all remaining fuel is consumed. Do not connect electronic devices to the generator during this process.
6. Remove the outer casing screws, then remove the outer casing.
7. Drain the fuel from the carburettor by loosening the drain screw on the carburettor float chamber.
8. Turn the switch to “OFF”.
9. Tighten the drain screw.
10. Reinstall the outer casing and tighten the screws.
11. When the engine has completely cooled down, turn the Fuel Cap Air Vent to the “OFF” position.





Troubleshooting

Problem	Cause	Solution
Generator is running, but does not supply power	DC Circuit Breaker is “OFF”	Turn DC Circuit Breaker “ON”
	Green AC Pilot Light Indicator is off.	Stop engine and restart.
	Poor connection	Check and repair
	Defective cord set	Check and repair
	Connected device is faulty	Connect a device that is working properly
	Fault in generator	Contact service department
Engine runs good without load but bogs down when loads are connected	Short circuit in connected device	Disconnect device
	Generator is overloaded	2. See Don’t Overload Generator
	Clogged fuel filter	Clean or replace fuel filter
	Engine speed is too slow	Contact service centre
	Short circuit in generator	Contact service centre
Engine will not start, shuts down during operation, or starts and runs rough	3-in-1 switch set to “OFF”	Turn switch to “CHOKE” then pull recoil starter
	Dirty Air filter	Clean or replace Air filter
	Clogged fuel filter	Clean or replace fuel filter
	Out of fuel or stale fuel	Replace fuel
	Spark plug wire disconnected from spark plug	Reconnect spark plug wire
	Bad spark plug	Clean or replace spark plug
	Water in fuel	Drain fuel tank and replace fuel
	Over choking	Turn off choke
	Low oil level	Add oil level
	Engine has flooded	Wait 5 minutes and re-crank engine
	Faulty ignition	Contact service centre
Engine lacks power	Generator is overloaded	See Don’t Overload Generator
	Clogged fuel filter	Clean or replace fuel filter
	Dirty Air filter	Replace Air filter
	Engine needs servicing	Contact service centre
Engine “hunts” or falters	Choke was removed too soon	Move to choke until engine runs evenly
	Clogged fuel filter	Clean or replace fuel filter
	Carburetor is running too rich or too lean	Contact service centre

Specifications

Power Type	Petrol
Peak Output	8.5 kW
Continuous Rated Output	8.2 kW
Fuel Capacity	27 L
Oil Capacity	1.1 L
Engine Displacement	457 cc
Engine Output	14 hp / 3600 rpm
Engine Oil Type	SAE 10W-30
Runtime	25% Load: 24 hrs, 50% Load: 10.5 hrs, 100% Load: 5.5 hrs
Noise Level	50% Load: 68.5 dB, 100% Load: 73.5 dB
Starting System	Push Button, Remote, Recoil
Power Outlets	1x15A + 1x32A Australian sockets
USB Outlets	2 x 5V 3.1A
DC Output	1x12V Cigarette lighter DC
ATS	Yes
RCD	Yes
Warranty (Months)	36 (based on typical non-commercial use)

Note: A fully qualified electrician is required to perform the transfer switch installation

Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see www.datastreamserver.com/safety

- Consult all documentation, packaging, and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear, or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear, or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business, or employee, or financially affect the user, business, or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement, or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.

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