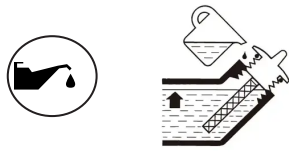




GVS-2250 INVERTER GENERATOR QUICK START & MAINTENANCE USER GUIDE

YOUR QUICK START GUIDE



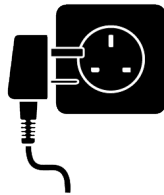
STEP ONE

Generator is shipped without oil.
Check oil level, add if oil level is
below gauge indicator line (10W-30).



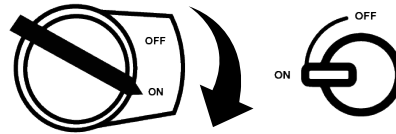
STEP TWO

Check fuel (unleaded).
Add as needed.
Tank capacity: 4.0L



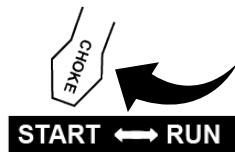
STEP THREE

Plug in your gutter vacuum.
(In the off state).



STEP FOUR

Turn on the generator switch.
Turn on the fuel switch.



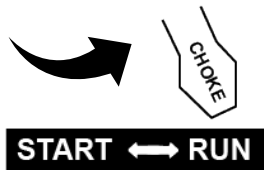
STEP FIVE

Close the carburettor choke valve.



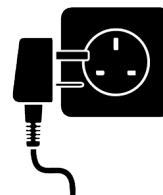
STEP SIX

When starting the generator, pull
cord slowly until resistance is felt and
then pull rapidly to avoid kickback.



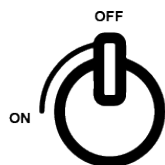
STEP SEVEN

Open the choke and keep it running.
Turn on your vacuum.



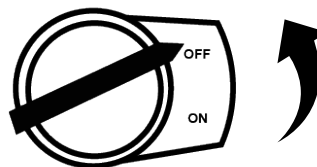
STEP EIGHT

Once job is completed.
Turn off electrical devices.



STEP NINE

Turn off the fuel switch.



STEP TEN

Turn off the ignition switch.

IMPORTANT SAFETY INSTRUCTIONS



WARNING



Failure to read and follow the instructions in the user manual could result in death, bodily injury and/or property damage.



Running the generator gives off carbon monoxide, an odourless colourless, poisonous gas. Breathing carbon monoxide can cause nausea, fainting or death. **DO NOT** run in an enclosed area, even if windows and doors are open. Caution - Risk of asphyxiation. Use the product only in well ventilated areas.



Fuel and its vapours are flammable and explosive. Turn the generator off and let it cool at least 2 minutes before refuelling.



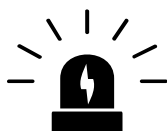
Risk of explosion. Fuel and its vapours are extremely flammable and explosive. **Do NOT** spray flammable liquids.



Hot parts and exhaust gases can exceed 65.5 °C and cause burns. **DO NOT** touch hot parts and **AVOID** generator exhaust path.



Risk of electrocution. Never spray water on any electric power sources.



Do not overload, equipment is prone to damage.



Do not use on slopes exceeding 15 degrees to prevent oil leakage and flipping.



The generator must be at least 1 meter away from combustible materials to prevent fires.

GVS-2250 INVERTER GENERATOR

MAINTENANCE GUIDE

Introduction

Inverter generators are complex machines that require regular maintenance and occasional repairs to function efficiently. This guide provides detailed instructions for troubleshooting and repairing common problems.

Safety Precautions

Before beginning any service, always:

- Turn off the generator and disconnect it from all power sources.
- Allow the generator to cool down to prevent burns.
- Wear appropriate safety gear, including gloves and safety glasses.

Common Problems and Repairs

Generator Wont Start

Possible Causes:

- Empty fuel tank.
- Stale or contaminated fuel.
- Faulty spark plug.
- Clogged carburettor.
- Dead battery (for electric start models).

Repair Steps

Check Fuel Level:

- Ensure the fuel tank is full.
- If the fuel is old, drain the tank and refill with fresh fuel.

Inspect and Replace Spark Plug:

- Remove the spark plug and inspect it for wear or damage.
- Clean the spark plug with a wire brush or replace it if necessary.
- Ensure the spark plug gap is set correctly as per the manufacturer's specifications.

Clean the Carburettor:

- Remove the carburettor and clean it with a carburettor cleaner.
- Pay special attention to the jets and passageways to ensure they are not clogged.

Check the Battery:

- For the electric start models, ensure the battery is charged.
- Replace the battery if it is dead or faulty.



Generator Runs Rough or Stalls

Possible Causes:

- Dirty air filter.
- Clogged fuel filter.
- Improper fuel mixture.
- Carburettor issues.

Repair Steps

Replace the Air Filter:

- Remove the air filter cover.
- Take out the old air filter and replace it with a new one.
- Reinstall the air filter cover.

Clean or Replace the Fuel Filter:

- Locate the fuel filter and check for clogs.
- Clean the filter with a solvent or replace it if it is severely clogged.

Adjust the Fuel Mixture:

- Refer to the owner's manual for the correct fuel mixture settings.
- Adjust the carburettor screws as necessary to achieve the correct mixture.

Clean the Carburettor:

- Follow the same steps as mentioned in the "Generator won't start" section to clean the carburettor.

Generator Produces No Power

Possible Causes:

- Faulty inverter module.
- Damaged wiring.
- Burnt-out stator or rotor.

Repair Steps

Inspect the Inverter Module:

- Test the inverter module using a multimeter.
- Replace the module if it is defective.

Examine the Wiring:

- Inspect all wiring connections for damage or loose connections.
- Repair or replace damaged wires as needed.

Check the Stator and Rotor:

- Use a multimeter to test the stator and rotor for continuity.
- Replace the stator or rotor if they are burnt out or damaged.



Generator Overheats

Possible Causes:

- Blocked ventilation.
- Low oil level.
- Faulty cooling system.

Repair Steps

Ensure Proper Ventilation:

- Check that the generator is in a well-ventilated area.
- Clear any obstructions from the ventilation grilles.

Check and Add Oil:

- Check the oil level and add oil if it is low.
- Use the recommended oil type as specified in the owner's manual.

Inspect the Cooling System:

- Check the cooling fins and fan for dirt and debris.
- Clean the cooling system components to ensure proper airflow.

Generator Emits Excessive Smoke

Possible causes:

- Overfilled oil.
- Dirty air filter.
- Incorrect fuel mixture.
- Worn piston rings.

Repair Steps

Check Oil Levels:

- Drain excess oil if the oil level is too high.

Replace the Air Filter:

- Follow the same steps as mentioned in the 'Generator Runs Rough or Stalls' section to replace the air filter.

Adjust Fuel Mixture:

- Adjust the carburettor to ensure the correct fuel mixture.

Inspect Piston Rings:

- Check the worn or damaged piston rings.
- Replace the piston rings if necessary.



Conclusion

After 500 hours, regular maintenance and timely repairs are crucial for keeping your inverter generator in optimal condition. By following this guide, you can troubleshoot and fix common issues to ensure your generator operates efficiently. For more complex problems or if you are unsure about any repair steps, it is recommended to seek professional assistance.

Maintenance Schedule

Regular Service Period (3)		Each use	First month or 10hrs	Every 3 months or 50hrs	Every 6 months or 100hrs	Every 2 years or 200hrs
Engine Oil	Check level Replace	•			•	
Air Cleaner	Check Clean	•		•(1)		
Spark Plug	Check-adjust Replace			•		•
Spark Collector	Clean				•	
Valve Clearance	Check-adjust					•(2)
Fuel Tank & Filter	Clean				•	
Cylinder	Clean	After every 300 hrs(2)				
Fuel Line	Check					Every 2 years (Replace if necessary)

(1) Maintenance more frequently when used in dusty areas.

(2) The maintenance items in part of need professional maintenance and tools and skills.

(3) Used commercially, the maintenance frequency can be increased due to long-term use.

