

Daewoo GDA 9250E

DAEWOO GDA 9250E Gasoline Generator User Manual

Model: GDA 9250E | Brand: Daewoo

1. INTRODUCTION

Thank you for choosing the DAEWOO GDA 9250E Gasoline Generator. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your generator. Please read this manual thoroughly before operating the unit and keep it for future reference.

The DAEWOO GDA 9250E is a single-phase gasoline generator designed to provide reliable power for various applications. It features a 420cc engine, electric and manual start options, and an AVR (Automatic Voltage Regulation) system for stable output.

2. IMPORTANT SAFETY INSTRUCTIONS

Failure to follow these safety instructions can result in serious injury or death. Always exercise extreme caution when operating the generator.

- **Carbon Monoxide Hazard:** Generators produce carbon monoxide, a colorless, odorless, poisonous gas. Operate the generator outdoors in a well-ventilated area, far away from windows, doors, and vents. Never operate indoors or in partially enclosed spaces.
- **Fire Hazard:** Gasoline is highly flammable. Refuel in a well-ventilated area with the engine off and cool. Do not smoke or allow open flames near the generator. Store fuel in approved containers.
- **Electrical Shock Hazard:** Never operate the generator in wet conditions. Ensure all electrical connections are secure and dry. Do not connect the generator to a building's electrical system without a qualified electrician and an approved transfer switch.
- **Hot Surfaces:** The generator's engine and muffler become very hot during operation and remain hot for some time after shutdown. Avoid contact with hot surfaces to prevent burns.
- **Moving Parts:** Keep hands, feet, hair, and clothing away from moving parts to prevent injury.
- **Children and Pets:** Keep children and pets away from the generator at all times.
- **Personal Protective Equipment:** Wear appropriate personal protective equipment, such as gloves and eye protection, when performing maintenance.

3. PRODUCT OVERVIEW

Familiarize yourself with the main components of your DAEWOO GDA 9250E generator.



Figure 1: Front view of the DAEWOO GDA 9250E Gasoline Generator, showing control panel, fuel tank, and engine.

Key components include the fuel tank, control panel with outlets and digital voltmeter, engine, muffler, air filter, oil fill cap, and wheels for portability.

4. INITIAL SETUP

Before first use, some assembly and preparation are required.

1. **Unpacking:** Carefully remove the generator from its packaging. Inspect for any shipping damage.
2. **Wheel and Handle Assembly:** Attach the wheels and folding handle according to the diagrams provided in the separate assembly guide. Ensure all bolts are securely tightened.
3. **Add Engine Oil:** The generator is shipped without engine oil. Place the generator on a level surface. Remove the oil fill cap/dipstick. Slowly add 1.1 liters of recommended 4-stroke engine oil (SAE 10W-30 or equivalent) until it reaches the upper mark on the dipstick. Do not overfill. Securely replace the oil fill cap.

4. **Add Fuel:** Ensure the generator is off and cool. Open the fuel tank cap. Carefully pour fresh, unleaded gasoline (minimum 87 octane) into the fuel tank, up to the fill limit (25 liters capacity). Do not overfill. Securely close the fuel tank cap.
5. **Battery Connection (for Electric Start):** If the battery is not pre-connected, connect the positive (+) battery cable (red) to the positive (+) battery terminal and the negative (-) battery cable (black) to the negative (-) battery terminal. Ensure connections are tight.



Figure 2: Side view of the DAEWOO GDA 9250E Gasoline Generator, illustrating the portability with wheels and handle.

5. OPERATING INSTRUCTIONS

5.1. Starting the Generator

Ensure the generator is on a level surface, outdoors, and away from any combustible materials.

1. **Turn Fuel Valve ON:** Locate the fuel valve and turn it to the 'ON' position.
2. **Set Choke:** If the engine is cold, move the choke lever to the 'CHOKE' (closed) position. If the engine is warm, set it to 'RUN' (open).
3. **Engine Switch:** Turn the engine switch to the 'ON' position.
4. **Starting Procedure:**
 - **Electric Start:** Press and hold the electric start button until the engine starts. Release the button immediately once the engine runs.
 - **Manual Start:** Grasp the recoil starter handle firmly and pull it slowly until resistance is felt, then pull quickly and smoothly. Repeat if necessary until the engine starts.
5. **Open Choke:** Once the engine starts and runs smoothly, gradually move the choke lever to the 'RUN' (open) position.
6. **Warm-up:** Allow the generator to run for a few minutes to warm up before connecting any electrical loads.

5.2. Stopping the Generator

1. **Disconnect Loads:** Disconnect all electrical devices from the generator outlets.
2. **Engine Cool Down:** Allow the generator to run for a few minutes without load to cool down.
3. **Turn Engine Switch OFF:** Turn the engine switch to the 'OFF' position.
4. **Turn Fuel Valve OFF:** Turn the fuel valve to the 'OFF' position to prevent fuel leakage.

5.3. Connecting Devices

The DAEWOO GDA 9250E features multiple outlets. Ensure the total wattage of connected devices does not exceed the generator's rated output (6000W continuous, 6500W maximum at 50Hz).

- Only connect devices that are in good working condition.
- Use heavy-duty, outdoor-rated extension cords that are properly grounded.
- Avoid overloading the generator. If the generator struggles or the circuit breaker trips, reduce the load.

6. MAINTENANCE

Regular maintenance is crucial for the longevity and reliable operation of your generator. Always perform maintenance with the engine off and cool, and the spark plug cap disconnected.

6.1. Maintenance Schedule

Item	Every Use	Every 25 Hours / Monthly	Every 100 Hours / Annually
Check Engine Oil Level	✓		
Clean Air Filter		✓	
Change Engine Oil		First 20 hours, then ✓	
Inspect Spark Plug			✓
Clean Fuel Filter			✓

6.2. Specific Maintenance Procedures

6.2.1. Engine Oil Change

1. Run the engine for a few minutes to warm the oil, then shut it off.
2. Place a drain pan under the oil drain plug.
3. Remove the oil drain plug and the oil fill cap/dipstick to allow oil to drain completely.
4. Reinstall the drain plug securely.
5. Add 1.1 liters of new, recommended engine oil (SAE 10W-30 or equivalent).
6. Replace the oil fill cap/dipstick. Dispose of used oil responsibly.

6.2.2. Air Filter Cleaning

1. Remove the air filter cover.
2. Remove the foam filter element.
3. Wash the foam element in warm, soapy water, rinse thoroughly, and allow it to air dry completely.
4. Lightly apply clean engine oil to the foam element, then squeeze out excess oil.
5. Reinstall the foam element and air filter cover.

6.2.3. Spark Plug Inspection/Replacement

1. Remove the spark plug cap.
2. Use a spark plug wrench to remove the spark plug.
3. Inspect the spark plug for carbon buildup or electrode wear. Clean with a wire brush if necessary.
4. Check the spark plug gap using a feeler gauge. Adjust if needed (refer to specifications for correct gap).
5. If the spark plug is heavily fouled, worn, or damaged, replace it with a new, recommended spark plug.
6. Install the spark plug by hand to prevent cross-threading, then tighten with a wrench. Reattach the spark plug cap.

7. TROUBLESHOOTING

This section provides solutions to common operational issues. For problems not listed here, contact customer support.

Problem	Possible Cause	Solution
Engine does not start	No fuel Engine switch OFF Fuel valve OFF Low oil level Choke incorrect Spark plug issue	Add fresh fuel Turn engine switch ON Turn fuel valve ON Add engine oil Adjust choke Inspect/replace spark plug
Engine starts but stops quickly	Choke not fully open Stale fuel Clogged fuel filter	Move choke to RUN position Drain and refill with fresh fuel Clean/replace fuel filter
No power output	Circuit breaker tripped Overload Faulty connection	Reset circuit breaker Reduce connected load Check all connections
Engine runs rough	Dirty air filter Stale fuel Spark plug issue	Clean air filter Drain and refill with fresh fuel Inspect/replace spark plug

Problem	Possible Cause	Solution
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8. SPECIFICATIONS

Model	GDA 9250E
Engine Type	Single-phase, 4-stroke, Gasoline
Cylinder Capacity	420 cc
Nominal Power (50 Hz)	6000 W
Maximum Power (50 Hz)	6500 W
Fuel Tank Capacity	25 L
Oil Tank Capacity	1.1 L
Start System	Electric and Manual
Voltage	230 Volt
Frequency	50 Hz
Noise Level (7m)	78.6 dB
Operating Time (75% load)	Approx. 12.5 hours
Weight	87 kg (product), 90 kg (item)
Special Features	Digital Display, AVR System, Oil Level Sensor, Wheels and Folding Handle

9. WARRANTY AND SUPPORT

9.1. Warranty Information

This DAEWOO generator is covered by a manufacturer's warranty against defects in materials and workmanship. The specific terms and duration of the warranty may vary by region. Please retain your proof of purchase for warranty claims. For detailed warranty information, refer to the warranty card included with your product or contact your local Daewoo dealer.

9.2. Customer Support

If you encounter any issues or have questions regarding the operation, maintenance, or troubleshooting of your DAEWOO GDA 9250E generator that are not covered in this manual, please contact Daewoo customer support or your authorized service center. Have your model number and serial number ready when contacting support.