

Portable Generator Owners Guide & Warranty Instructions From Genelite

Thank you for purchasing a **GENELITE** product from our range.

The Owners Guide should be read in conjunction with your engine manual.



It is important to use the correct oils & fuels to ensure extended engine life.

Important Hints For General Operation:

1. **REFER TO ENGINE MANUAL**
2. **USE CORRECT FUELS**
3. **CHANGE OIL REGULARY**
4. **DO NOT OVERLOAD UNIT**
5. **IF IN DOUBT, ASK!**

The most commonly asked question from most owners is “what grade of fuel is preferred?” In all cases, **unleaded fuel** is considered the best for petrol powered units.

Failure to use unleaded will cause carbon build up and service will be required at more frequent intervals.

Changing oil and the type of oil is the most important low cost service you can give your unit. **Do not use** high performance oils with additives required for water cooled engines such as friction modifiers, Teflon’s and other oil additives. In most cases your engine manual will suggest a multi-grade or SAE 30 grade/heavy duty oil. Care is required in the oil selection for air cooled petrol and diesel engines.

Oil selection should be made after referring to your engine manual.

Frequent oil changing where units are used regularly will extend engine life significantly.

The following procedures should be observed before using your generator for the first time.

- Please read engine manual
- Check engine oil level
- Use correct fuels
- Do not change engine speed settings
- Observe safety when using electrical leads and tools

Before starting your unit observe:

- Check engine oil level prior to starting the engine. Ensure the unit is on a flat surface and change oil on a frequent basis
- Check the air cleaner element is clean and free from dirt, clean daily in dusty areas.
- Check fuel levels while stopped. It is also important to check for any fuel leakage prior to starting.
- When starting, always disconnect heavy electrical loads.
- Do not enclose the unit in a confined area; carbon monoxide fumes from the engine will cause injury.
- Exhaust must go to the open air as internal damage will occur if the engine does not receive fresh, clean air while running.
- Do not overload the engine. Consult with your electrical advisor if in doubt as to the size of any appliance to be used.
- With air cooled units, it is imperative not to restrict air due to enclosure in any way. If you have any doubt, please ask your dealer for advice!
- Always turn off your appliances before stopping your generator.
- Prevent damage to electronic components in the generator or equipment being used.

WARRANTY

Our product warranty is:

✓ *3 year engine warranty applies to all Honda GX Engine powered generator sets*

✓ *2 year engine warranty applies to all Yanmar, and Kohler powered generators sets*

✓ *2 year Alternator warranty applies to all Meccalte Alternators*

Extended engine warranty is available where a particular manufacturer provides for this extended engine warranty period (as detailed in their individual registration forms). Warranty is strictly subject to the terms and conditions as laid down by those respective manufacturers.

It is important to note Warranty does not apply to “service items”. In general terms, it applies only to defects in any manufactured part.

Warranty does not cover fair wear & tear, consumable items, damage caused from overload or misuse.

Service or Warranty is available from authorised service agents and freight must be pre-paid in all cases.

ENGINE WARRANTY IS AVAILABLE FROM ANY AUTHORISED ENGINE OUTLET OR ENGINE DISTRIBUTOR

Your GENELITE distributor:

Electrical Hazards

Follow these tips to protect against electrical hazards:

- NEVER try to power the house wiring by plugging the generator into a wall outlet, a practice known as “Back Feeding”. This is an extremely dangerous practice that presents an electrocution risk to utility workers and neighbours served by the same transformer. It also bypasses some of the built-in household circuit protection devices.
- If you must connect the generator to household wiring to power appliances, have a qualified Electrical Contractor install the appropriate equipment in accordance with Australia Wiring Rules and Energex or Ergon Energy requirements.
- 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 generator components, possibly leading to generator failure.
- Keep the generator dry and do not use in the rain or wet conditions. To protect from moisture, operate it on a dry surface under an open, canopy-like structure. Dry your hands if wet before touching the generator.
- Plug appliances directly into the generator. Or, use a heavy duty, outdoor-rated extension cord that is rated (in watts or amps) at least equal to the sum of the connected appliances loads. Check that the entire cord is free of cuts or tears and that the plug has all three prongs, especially a grounding pin.

To avoid electrocution:

- Plug individual appliances into the generator using heavy duty, outdoor rated cords with a current rating/wire size adequate for the appliance load,
- Observe the generator manufacturer’s instructions for safe operation.
- Do not plug the generator into a wall outlet.
- If you need to connect the generator to the house wiring, have a qualified electrical contractor install the standby electrical system.

Fire Hazards

Follow these tips to protect against fire hazards:

- Never store fuel for your generator in the home. Petrol, propane, kerosene and other flammable liquids should be stored outside of living areas in properly labelled, non-glass safety containers. Do not store them near a fuel burning appliance, such as a natural gas water heater in a garage. If the fuel is soiled, or the container is not sealed properly, invisible vapours from the fuel can travel along the ground and can be ignited by the appliance’s pilot light or by the arcs from electric switches in the appliances.
- Before refuelling the generator, turn it off and let it cool down. Gasoline spilled on hot engine parts could ignite.

Permanently connected generators

A generator may be connected to your house circuit. This must be done by a Licensed Electrical Contractor and must meet Local Supply Authority requirements and also be installed in accordance with Australian Standards for electrical safety.

- AS/NZS 3000 Wiring Rules
- AS 3010.1 Electrical Installations – Supply by Generating Set,
- Australian Standard AS2790 – Electricity Generating Sets – Transportable (up to 25kW)

A permanently wired generator changeover switch must be installed to ensure that at no time parallel operation is possible, and that effective isolation is maintained between all active conductors of the load being supplied by the generator and the electrical installation connected to supply from either Energex or Ergon Energy.

Carbon Monoxide Hazard

NEVER use a generator in enclosed or partially enclosed spaces. Generators can produce high levels of Carbon Monoxide (CO) very quickly. When you use a portable generator remember that you cannot smell or see CO. even if you don't smell exhaust fumes, you may still be exposed to CO. If you start to feel sick, dizzy or weak while using a generator, get to fresh air RIGHT AWAY. DO NOT DELAY. The CO from generators can rapidly lead to full incapacitation and death.

If you experience serious symptoms, get medical attention immediately. Inform medical staff that CO poisoning is suspected. If you experience symptoms while indoors, have someone call the fire department to determine when it is safe to reenter the building.

Follow these safety tips to protect against CO poisoning:

- NEVER use a generator indoors, including in homes, garages, basements, crawl spaces, and other enclosed or partially enclosed areas, even with ventilation. Opening doors and windows or using fans will not prevent CO build-up in the home.
- Follow the instructions that come with your generator. Locate the unit outdoors and away from doors, windows and vents that could allow CO to come indoors.
- Install battery-operated CO alarms or plug-in CO alarms with battery back-up in your home, according to the manufacturer's installation instructions. Test your CO alarms frequently and replace dead batteries.

Backfeeding

Backfeeding is a very dangerous condition in which electricity from your generator flows back through your electrical panel and meter into Energex or Ergon Energy electrical systems.

Backfeeding can occur when a generator is connected to your home wiring system without disconnecting from the Energex or Ergon electrical systems.

The most common way this could occur is if you directly connect a generator to your electric panel or to a circuit in your home.

If you feed power back into the electrical system during an outage, you will energize the transformer serving your house. This poses an electrocution hazard for Energex or Ergon Energy line crews and for your neighbours who may not know the lines are energized. If power is restored while your generator is backfeeding, your generator will be severely damaged.

How can backfeeding be prevented?

The simple answer is to always keep generator power and Energex or Ergon Energy electrical systems isolated from each other.

- Permanent generators are isolated from the electrical system with a transfer switch installed between the generator and the electrical panel. The transfer switch allows power to be fed from only one source at a time. A licensed Electrical Contractor must conduct this.
- Portable generators are usually connected directly to an appliance or piece of equipment through an extension cord. As long as the equipment has not hard-wired to the building's electrical panel, there is no path back to the panel. Transfer switches are available to safely connect portable generators to building electrical systems.

Use of safety switches with portable generators

Safety switches can be used with portable generators, however if wiring is not done correctly, or the safety switch is not the suitable type, it may not provide protection. To ensure your family is protected, make sure the installation is in accordance with the Australian Wiring Rules and with relevant safety standards.

Consult a licensed Electrical Contractor for further information

Make sure extension cords are adequately sized to handle the electricity. If you're not certain, check with a licensed electrician. Finally, the generator should always be placed outside in a well-ventilated area and you should never refuel it when the engine is hot. Let it cool for at least 10 minutes to minimize the danger of fire.



WARRANTY REGISTRATION

DEALER NAME :	
SALES PERSON :	
PHONE :	
SALE DATE :	
GENERATOR MODEL :	
GENERATOR SERIAL NUMBER :	
CUSTOMER DETAILS :	
MR / MRS / MISS / MS :	
ADDRESS :	
SUBURB / TOWN :	
STATE :	
POSTCODE :	
TELEPHONE :	
COMMENTS :	

All units must be registered with Genelite at point of sale for warranty purposes. Please complete and return this form to:

Fax: 07 3277 8627 Email: portables@genelite.com.au

POWER YOU CAN RELY ON

HEAD OFFICE: 24 Perrin Place, Salisbury QLD 4107 • PO Box 115 Archerfield QLD 4108 • ABN 40 095 032 385

BRISBANE

Phone: (07) 3277 8626 • Fax: (07) 3277 8627

PERTH

Phone: (08) 9300 6168 • Fax: (08) 9300 6471

PORT HEDLAND

Phone: 1300 305 912

Email: info@genelite.com.au • www.genelite.com.au

Genelite - Warranty Claim Form



Reference:	
DATE:	

CUSTOMER TO COMPLETE:

General Information:

Customer:				Phone:		
Address:				Email:		
Generator Model:	Engine Model:		Alternator Model:	Controller Model:		
Generator S/N:	Engine S/N:		Alternator S/N:	Controller S/N:		

Warranty Information:

Generator Application:	<input type="checkbox"/> Main Supply <input type="checkbox"/> Back-up Supply	First Start Date:		Total Run hours:		Purchase (Invoice) Date:	
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Failure / Fault Information:

Failure / Fault:	
Detailed description of fault: - working environment - running conditions - voltages and currents - duty cycle - ambient temperature - coolant temperature - oil pressure - engine speed - etc.	
Photos:	

Faulty part/s (if replacement is needed):

Part Name	Model/Spec	Serial Number	Fault description	Quantity	Unit Price	Total Price

Description of fault:	
Cause of fault:	
Corrective action taken:	

Completed by :	Signature:	Date:
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GENELITE TO COMPLETE:

Warranty Information:

Shipment date:		Commission date:		Warranty start date:		Warranty end date:	
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Conclusion:	<input type="checkbox"/> Warranty Expired <input type="checkbox"/> Within Warranty (Approved) <input type="checkbox"/> Within Warranty (Rejected) <input type="checkbox"/> Other _____						
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Confirmed by :	Signature:	Date:
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* This form must be submitted to Genelite within thirty (30) days of the fault or repair date.