



INSTRUCTIONS FOR:
GENERATOR 2200W 230V 5.5HP
MODEL No: **G2300.V3**

Thank you for purchasing a Sealey product. Manufactured to a high standard this product will, if used according to these instructions and properly maintained, give you years of trouble free performance.

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS, AND CAUTIONS. USE THIS PRODUCT CORRECTLY, AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY.

1. SAFETY INSTRUCTIONS

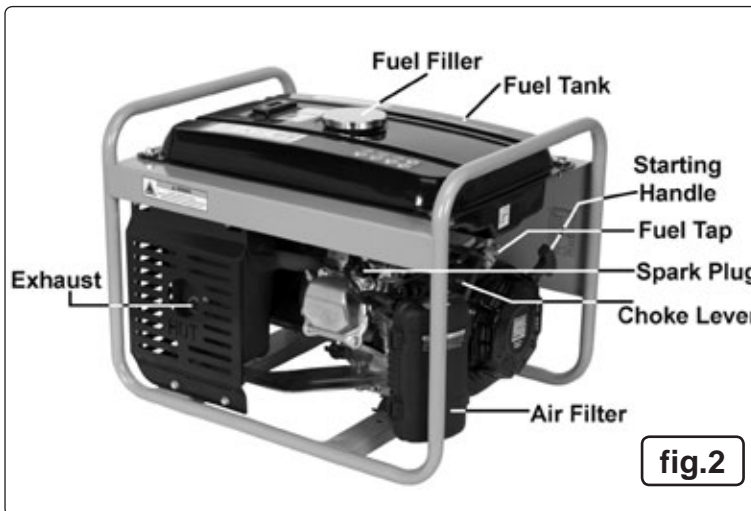
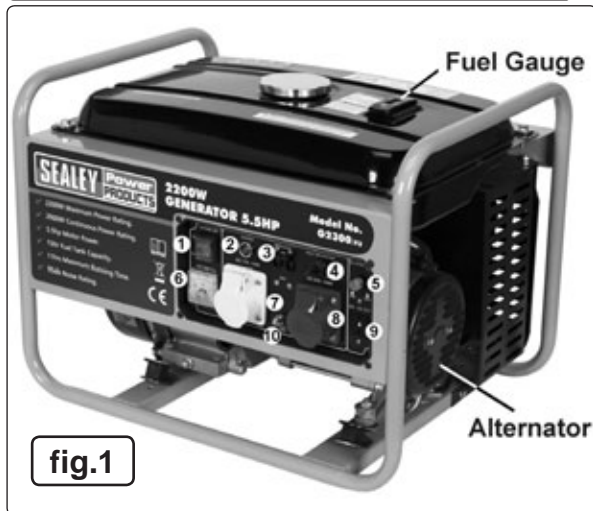
- WARNING! Ensure any Health & Safety, Government, or local authority regulations are adhered to when using this equipment.**
- ✓ Familiarise yourself with the application and limitations, as well as the potential hazards, of the generator.
- ✓ Maintain the generator in good condition (use an authorised service agent). Replace or repair damaged parts. Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
- ✓ This generator is designed and manufactured for specific applications. Do not attempt to modify the unit or use it for any application for which it is not designed. If you have any questions regarding the application of the unit please contact your local Sealey dealer.
- WARNING! DO NOT exceed the Wattage/Amperage capacity of the generator.** Add rated wattage of all devices intended for connection at any one time. The total must not exceed rated wattage of generator (2200W). In most cases the rated wattage of an electrical device can be found on the nameplate. If the nameplate only gives voltage and amperage, multiply the two to give rated wattage (Volts x Amps = Watts).
- WARNING! Generator exhaust gases contain deadly Carbon Monoxide which must not be inhaled. Always allow sufficient ventilation and NEVER use indoors even with doors and windows open.**
- ▲ **DANGER! This generator is designed for outdoor use only. To use the generator inside any building or enclosure, including the generator compartment of a caravan, may result in fire or an explosion. No user performed modifications, including venting of the exhaust and/or cooling ventilation, will eliminate the danger.**
- WARNING! An earth connector lug is fitted to the generator, for use if required to connect to an earth. This connection should only be undertaken after full consultation with a competent, qualified electrician.**
- ▲ **DANGER! If this unit is used for back-up power in the event of a commercial power failure, the following steps must be taken. Before connecting the generator to the electrical system, open the main circuit breaker to isolate the generator and system from the commercial electric supply. Failure to do this may result in damage to the generator and may result in serious injury or fatality, due to a back-feed of electrical energy.**
- ▲ **DANGER! The generator produces a very powerful voltage that can cause a severe electrical shock. Avoid contact with bare wires, terminals etc. Never allow any unqualified person to operate or service the generator.**
- WARNING! Petrol is highly flammable and petrol vapour is explosive. Do not permit smoking, naked flames, sparks or heat in the vicinity while handling petrol. Avoid spilling petrol onto a hot engine. Comply with all laws regulating storage and handling of fuels.**
- WARNING! NEVER refuel when the engine is running or when the engine is hot. Allow time for the engine to cool down.**
- ✓ Operate the generator only on level surfaces (maximum allowable tilt is 10°) and where it will not be exposed to excessive moisture, dirt or corrosive vapours or be in the proximity of combustible material (flammable liquids, solids or gases).
- ✓ Remove ill fitting clothing, ties, watches, rings and other loose jewellery and contain long hair. Wear appropriate protective clothing.
- ✓ Keep non-essential persons away from the working area.
- ✗ After running, the engine and exhaust will be hot, **DO NOT** touch them.
- ✓ The generator should be positioned such that there is a clear space of 1.5m between the exhaust and any other objects to prevent damage.
- WARNING! Never start or stop the generator while electrical loads are connected and switched on. Start the engine, let it stabilise, then connect the electrical load. To stop engine, disconnect all electrical loads and then let engine stabilise before switching off.**
- WARNING! Do not use worn, bare, frayed or otherwise damaged electrical cables with the generator. To do so may result in electric shock.**
- ✗ **DO NOT** use the generator for any purpose other than that for which it is designed.
- ✗ **DO NOT** operate the generator if any parts are missing or damaged, as this may cause failure and/or personal injury.
- ✗ **DO NOT** over-fill fuel tank, fill to the bottom of the neck only. Always leave room for fuel to expand.
- ✗ **DO NOT** operate in wet or damp conditions - electric shock may result.
- ▲ **DANGER! DO NOT tamper with the engine governed speed setting. Higher operating speeds are dangerous and increase the risk of personal injury and/or equipment damage. The generator supplies the correct rated frequency and voltage only when running at the correct governed speed. Incorrect frequency and/or voltage can damage connected electrical loads.**
Operating at excessively low speeds may result in shortened engine life. Over-speeding will invalidate the warranty.
- ✗ **DO NOT** operate the generator when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- ✗ **DO NOT** store the generator with fuel in the tank, in a location where petrol vapours might reach an open flame or spark. Store it in a safe, dry, childproof location.

2. INTRODUCTION & SPECIFICATION

Heavy-duty frame design provides full protection and portability. Suitable for running power tools and lighting units. Long running, up to 11 hours on a full tank. Fitted with 12V battery charging outlet, 230V 16A and 110V 16A sockets. Powerful and reliable generator fitted with maintenance-free brushless alternator. Smooth running unit fitted with anti-vibration engine mounts. Low oil cut-out feature and fuel gauge.

Motor Power:	5.5hp	Fuel Tank Capacity:	15ltr
Motor Type:	4 Stroke Petrol	Maximum Running Time:	11hr
Output:	230V/110V-50Hz/12V DC	Noise Rating LwA:95dB
Maximum Current Rating:	9.5A	Dry Weight:42.8kg
Maximum Power Rating:	2200W	Dimensions (L x W x H):	600 x 460 x 445mm
Continuous Power Rating:	2000W		

3. OPERATING INSTRUCTIONS



Reference fig.1.

- | | | | |
|---------------------------|--|----------------|--------------------------|
| 1. On/Off switch (I/O) | 4. Voltage selector switch (110V - OFF - 230V) | 6. Voltmeter | 9. 12V DC socket |
| 2. Power on indicator | 5. 12V DC Reset button | 7. 110V socket | 10. Earth connector stud |
| 3. Circuit breaker switch | | 8. 230V socket | |

☐ WARNINGS!

Before use, ensure that you read, understand and comply with the safety instructions. Ensure that you fully understand the applications and limitations, as well as the potential hazards, of the generator.

NEVER connect the generator's earth lead to pipes. Pipes may carry inflammable substances such as gas or domestic fuel and there is a risk of fire or explosion in the event of a short circuit.

NEVER run the engine without the air filter fitted.

3.1. PRE START-UP OF THE GENERATOR.

3.1.1. Remove fuel filler cap and fill tank as required with fresh petrol, replace filler cap.

3.1.2. Carry out any checks such as checking the oil level - see maintenance section.

☐ WARNING! NEVER refuel when the engine is running or when the engine is hot. Allow it to cool down before refuelling.

☐ WARNING! Petrol is highly flammable and petrol vapour is explosive.

3.2. STARTING THE GENERATOR.

☐ WARNING! The output sockets will be live once the engine has started.

3.2.1. Turn the fuel tap to the On position (fig.3).

3.2.2. Move the choke control lever to the CHOKE position (fig.4).

Note: If starting a warm engine or when the ambient temperature is high, the choke control lever can be left in the RUN position.

3.2.3. Set the On/Off Switch to the On (I) position (fig.1), and check circuit breaker switch and the voltage selection are in the Off position.

3.2.4. Grasp the starting recoil handle (fig.2) and pull the cord slowly until some resistance is felt, then pull with a rapid full arm stroke (fig.5). Let the cord slowly return. Repeat pulling as necessary until the engine starts (**DO NOT** pull when engine is running).

Note: Ensure there is sufficient free space behind you, to prevent personal injury when pulling the cord.

3.2.5. After the engine starts, move the choke control lever to the mid way position, until engine runs smoothly, and then to the RUN position.

3.2.6. If engine fails to start after several attempts, refer to 'Trouble-Shooting' section. If necessary contact your authorised Sealey service agent.

3.3. USING THE GENERATOR.

☐ WARNING!: Do not exceed the wattage capacity of the generator.

3.3.1. Allow the engine to warm up (approximately 2 to 3 minutes).

3.3.2. Move the circuit breaker switch to the On position.

3.3.3. Connect the equipment to the appropriate generator socket. Always observe the safety instructions of any equipment being used.

3.3.4. Switch the voltage selection switch to the required voltage (left for 110V, right for 230V, mid position for Off), the 12V socket is always live when the generator is running).

3.3.5. Carry out the following checks whilst the generator is in use:

Is there any vibration or abnormal noise? Is there any backfiring or is the engine not running smoothly? If present, what colour is any exhaust smoke? (black or white).

If you notice any of the above points, stop the generator (see 3.4) and investigate and/or contact your local service agent.

3.4. TO STOP THE GENERATOR.

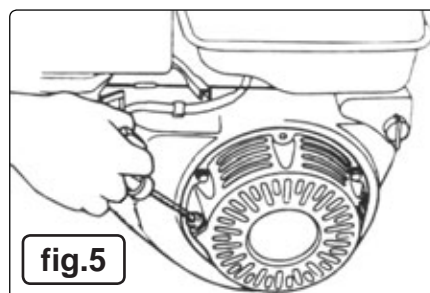
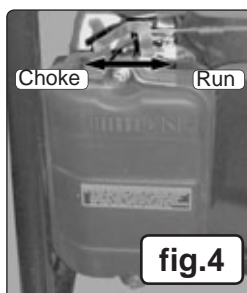
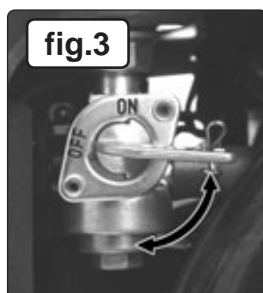
3.4.1. Switch the voltage selection switch to the mid position (Off), and disconnect the electrical load from the generator.

3.4.2. Move the circuit breaker to the Off position.

3.4.3. Allow the engine to run unloaded for 1 to 2 minutes.

3.4.4. Stop the engine by switching the On/Off Switch to the Off position.

3.4.5. Turn off the fuel tap (fig.3).



4. MAINTENANCE

4.1. GENERAL MAINTENANCE SCHEDULE.

- WARNING!** All maintenance work is carried out when the engine is stopped. If the engine must run, ensure that the working area is well ventilated. Exhaust gases contain Carbon Monoxide; exposure to this toxic gas can cause loss of consciousness and can be fatal.
- WARNING!** If the engine has just been running, the exhaust will be very hot, take care not to touch it.
- ✓ Ensure the spark plug HT lead has been disconnected prior to commencing maintenance.
- ✓ The oil, air filter and spark plug must be changed regularly. All other maintenance must be carried out by qualified persons, contact your local Sealey service agent.

Items	Remarks	Daily (pre-operation)	1st Month (or 20Hrs)	3 Months (or 50 Hrs)	6 Months (or 100 Hrs)	12 Months (or 300 Hrs)
Spark Plug	Adjust gap Replace if necessary		✓		✓	
Engine Oil	Check oil level	✓				
	Drain and replace		✓		✓	
Air Filter	Clean Replace if necessary		✓	✓		
Fuel Bowl	Check and clean		✓		✓	
Valve Clearance	Check and adjust when engine is cold					✓
Fuel Line	Check for damage Replace if necessary	✓				
Exhaust System	Check gasket Replace if necessary			✓		
	Check exhaust Replace if necessary				✓	
Carburettor	Check choke	✓				
Cooling System	Check fan for damage					✓
Starting System	Check starter operation	✓				
Decoking	Increase frequency if necessary					✓
Fittings/Fasteners	Check for damage, Tighten if necessary		✓		✓	

4.2. MAINTAINING THE AIR FILTER.

Note: If the air filter is dirty, air passing towards the carburettor will be restricted. To avoid the carburettor malfunctioning, clean the air filter regularly. Clean more often when the engine is used in extremely dusty conditions.

- WARNING! Never use fuel or solvent to clean the foam element. This can cause a fire or an explosion.**

- 4.2.1. Unclip the securing clips and remove the air filter cover.
- 4.2.2. Check the element for tears or holes and replace if damaged.
- 4.2.3. Clean the element using compressed air. Replace the element if it is very dirty.
- 4.2.4. Wash the foam element in household detergent diluted in warm water, rinse with plenty of water and dry thoroughly.
- 4.2.5. Drip a few drops of clean engine oil into the foam element and squeeze out to remove any excess oil.

Note: The engine will start smoking during the first start up if too much oil is left on the foam.

- 4.2.6. The refitting procedure is the reverse of the above.

4.3. CLEANING THE FUEL TAP.

- 4.3.1. Close the fuel tap.
- 4.3.2. Remove the bowl from underneath the fuel tap (10mm spanner required).
- 4.3.3. Remove any debris from the bowl.
- 4.3.4. Dry thoroughly and refit ensuring the bowl is fully tightened.
- 4.3.5. Open the fuel tap and check for leaks, refit bowl if necessary.

4.4. MAINTAINING THE SPARK PLUG.

- WARNING!** If the engine has just been running, the exhaust and spark plug will be very hot. Allow to cool.
 - WARNING!** The spark plug must be correctly tightened. If the plug is not well tightened, it can overheat and damage the engine.
- Note: To ensure that the engine performs correctly, the spark plug must not have any deposits on it and its gap must be correct.**
- 4.4.1. Remove the spark plug cap and the spark plug using the spark plug wrench supplied.
 - 4.4.2. Inspect the spark plug and discard it if the electrodes are worn or if the porcelain is cracked or scaled. If the spark plug is to be re-used, clean with a wire brush.
 - 4.4.3. Measure the electrodes gap using a feeler gauge. The gap must be between 0.7mm and 0.8mm. Adjustment of the gap is achieved by bending the side electrode.
 - 4.4.4. Check the spark plug washer is in good condition and screw the plug in by hand to avoid cross threading the threads.
 - 4.4.5. Once the spark plug is installed, tighten it using a spark plug wrench to compress the washer.

Note: In the case of a new spark plug being fitted, screw it in by hand and then tighten it by 1/2 turn with a spark plug wrench to compress the washer. If the spark plug has already been used, screw it in by hand and only tighten it by 1/8 to 1/4 turn to compress the washer.

4.5. CLEANING THE GENERATOR.

- 4.5.1. Clean the generator using a brush and cloth (water jet cleaning is not recommended). Remove dust and debris from around the exhaust and the cooling fins.
- 4.5.2. Clean the engine and alternator air inlets and outlets. At the same time, check the general condition of the generator and adjust or replace any defective or worn parts.

4.6. CHANGING THE OIL.

- 4.6.1. Warm up the engine whilst the generator is standing on level ground, then switch the engine off.
- 4.6.2. Remove the oil filler cap/dipstick.
- 4.6.3. Place a drain pan under the unit, undo the drain plug, let the oil drain out completely.
- 4.6.4. Check the gaskets and replace if required.
- 4.6.5. Refit and tighten the drain plug and refill the engine with 0.6ltr of clean engine oil (10W/30). When oil filler cap/dipstick is placed in its aperture - BUT not screwed in, the oil should reach the top mark.
- 4.6.6. Replace the oil filler cap/dipstick.

5. LONG TERM STORAGE

Note: If the generator is to be stored for a length of time, it is essential to protect the fuel system. This can be done by either draining all the fuel from the system or using a fuel stabiliser to prolong it's life and prevent fuel gum deposits from forming.

Note: Store the generator in a safe, dry, childproof area, free of excessive humidity and dust.

WARNING! Petrol is highly flammable and petrol vapour is explosive. Do not permit smoking, naked flames, sparks or heat in the vicinity whilst handling petrol. Avoid spilling petrol onto a hot engine. Comply with all laws regulating storage and handling of fuels.

5.1. CLEANING.

- 5.1.1. Remove debris and dust accumulations from the generator.

5.2. DRAINING ALL THE FUEL.

- 5.2.1. Disconnect the fuel pipe and place the end in a suitable, approved storage container.
- 5.2.2. Turn the fuel tap ON and drain the fuel into the container, reconnect the fuel pipe ensuring the clip is fitted correctly and close the fuel tap.

5.3. USING A FUEL ADDITIVE.

- 5.3.1. Fill the fuel tank with fresh fuel.
- Note: If only partially filled, air in the tank will promote fuel deterioration during storage.**
- 5.3.2. Add the fuel stabiliser following the manufacturer's instructions.
- 5.3.3. Run the engine outdoors for a few minutes to ensure that all untreated fuel has been used.
- 5.3.4. Stop the engine and switch the fuel tap OFF.

5.4. BORE LUBRICATION.

- 5.4.1. Remove the spark plug and pour a few drops of clean engine oil into the cylinder.
- 5.4.2. Crank the engine several times in order to circulate the oil in the cylinder, then refit the spark plug.

6. TROUBLESHOOTING

PROBLEM	CAUSE	ACTION
Engine will not start.	Fuel tap not turned on. No fuel in tank. Oil not filled to correct level. Engine run switch not turned on. Choke set incorrectly. Spark plug fouled. Air filter blocked.	Turn fuel tap on. Fill fuel tank. Check and fill oil to correct level. Set engine run switch to on. Set choke control correctly. Clean or replace spark plug. Clean or replace air filter.
Engine runs rough.	Air filter blocked. Spark plug fouled. Choke set incorrectly. Dirty/stale fuel.	Clean or replace air filter. Clean or replace spark plug. Set choke control correctly. Drain and replace fuel.

Environmental Protection



Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycle centre and disposed of in a manner which is compatible with the environment.



When the product is no longer required, it must be disposed of in an environmentally protective way.

Parts support is available for this product.
To obtain a parts listing and/or diagram, please log on to www.sealey.co.uk, email sales@sealey.co.uk or phone 01284 757500.

NOTE: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

IMPORTANT: No liability is accepted for incorrect use of this product.

WARRANTY: Guarantee is 12 months from purchase date, proof of which will be required for any claim.

INFORMATION: For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.



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	© Jack Sealey Limited	Original Language Version	G2300.V3 Issue: 1 - 27/08/13