



4KVA PETROL INVERTER GENERATOR

- 4000W MAX. POWER
- 3500W RUNNINGS WATTS
- 2 X 240V 15A IP44 POWER OUTLETS
- 2 X USB PORTS
- 6.4HP / 224CC OHV ENGINE



INSTRUCTION MANUAL



WARNING! Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference.

SPECIFICATIONS - FBOFIG-4000

ENGINE:	6.4HP, 4-Stroke OHV
DISPLACEMENT:	224cc
RATED POWER:	3500W
MAX POWER:	4000W
ECONOMY MODE POWER:	Less than 1750W
OUTLETS:	2 x 240V, 15A; 2 x USB (1.0A & 2.1A)
FUEL CAPACITY:	12L
SUMP CAPACITY:	0.6L
SOUND PRESSURE LEVEL:	80dB @ 7m
IP RATING:	IP44 (Sockets); IP23 (Panel)
WEIGHT:	40kg

CONTENTS

1 x Petrol Inverter Generator
1 x 600ml Oil Bottle
1 x Funnel

1 x Spark Plug Wrench
1 x Instruction Manual

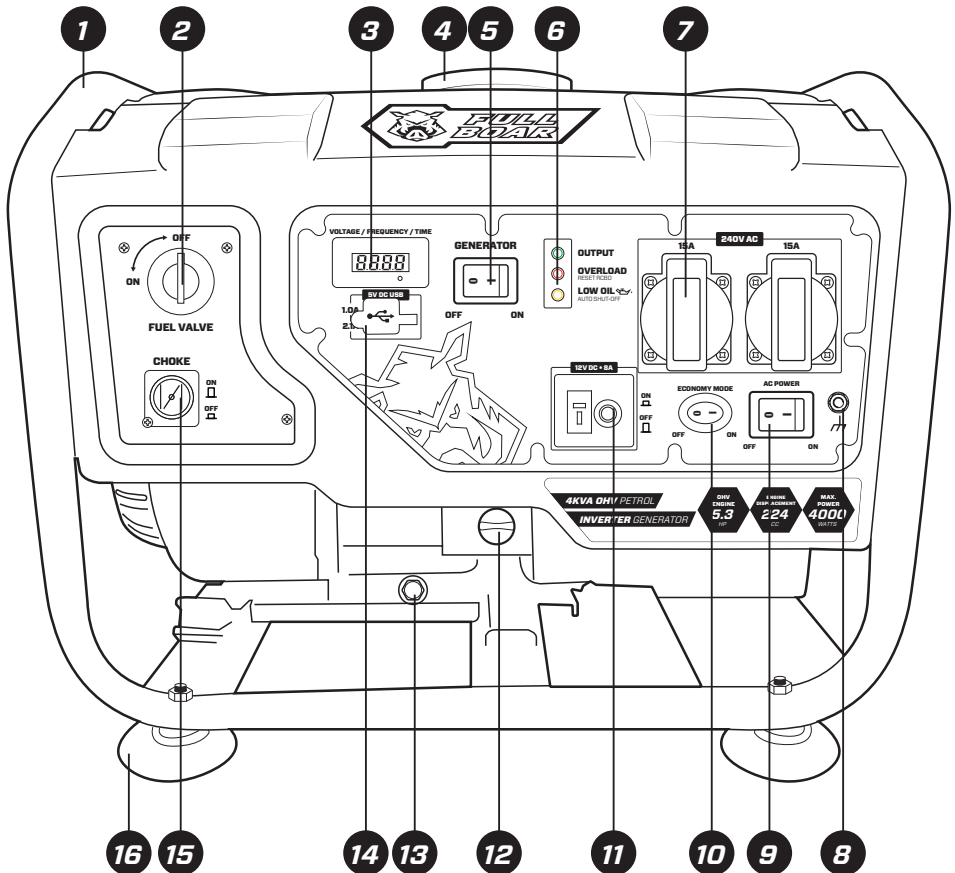
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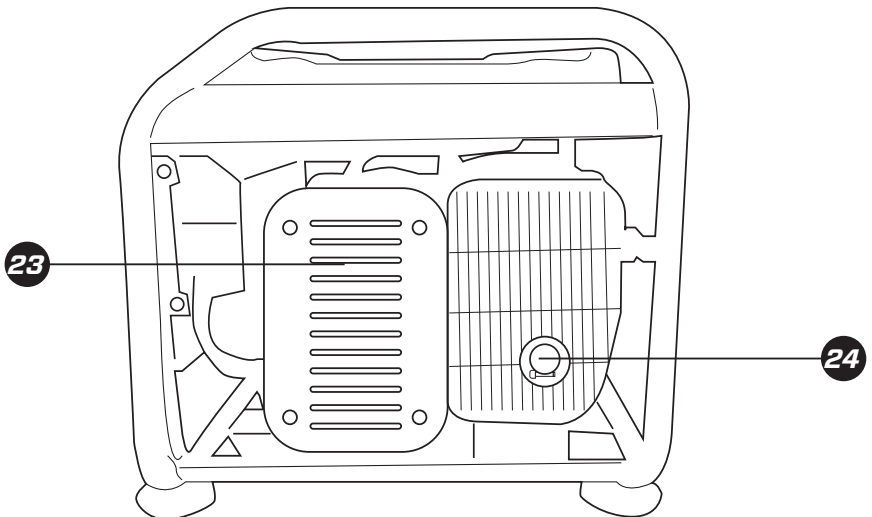
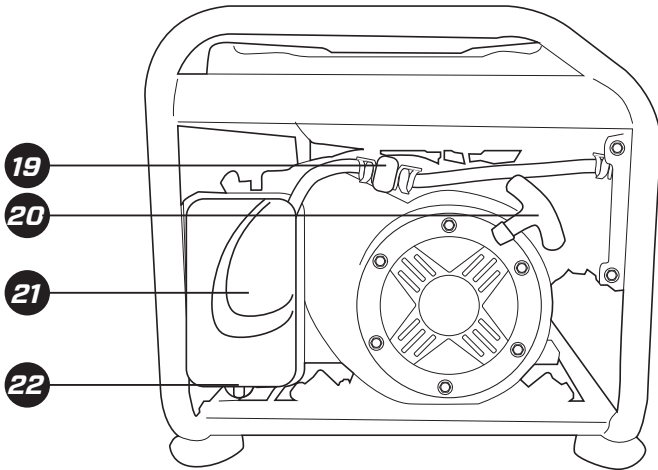
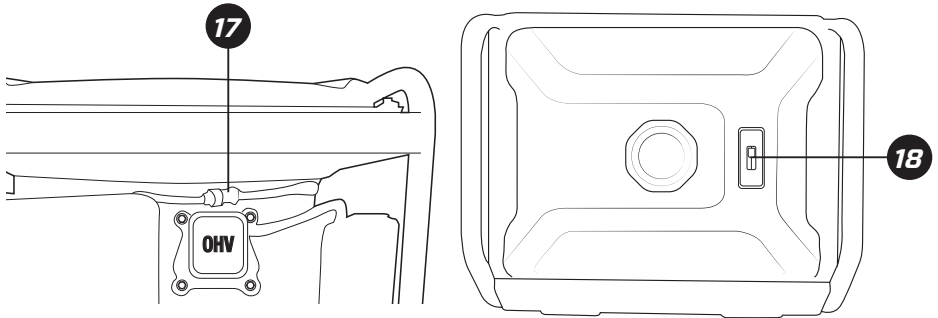
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KNOW YOUR PRODUCT

Petrol Inverter Generator

1. Frame/Carry Handles
2. Fuel Valve
3. Digital Display
4. Fuel Cap
5. Generator Power Switch
6. Status Indicator Lights
7. 240V Outlet
8. Grounding Terminal
9. 240V Outlet Switch
10. Economy Mode Switch
11. 12V Overload Reset Switch
12. Oil Dipstick
13. Oil Drain Screw
14. USB Ports
15. Choke Lever
16. Rubber Feet
17. Spark Plug Lead
18. Fuel Gauge
19. Fuel Filter
20. Recoil Starter
21. Air Filter Cover
22. Air Filter Screw
23. Inverter
24. Spark Arrestor





ELECTRICAL SAFETY



WARNING! When using mains-powered tools, basic safety precautions, including the following, should always be followed to reduce risk of fire, electric shock, personal injury and material damage.

Read the whole manual carefully and make sure you know how to switch the tool off in an emergency, before operating the tool. Save these instructions and other documents supplied with this tool for future reference.

The unit has been designed to output 240V only. Always check that the power supply corresponds to the voltage on the rating plate.

Note: The supply of 230V and 240V on Full Boar tools are interchangeable for Australia and New Zealand.

Using an Extension Lead



WARNING! Damaged or overloaded extension cords could overheat, arc, and burn, resulting in death or serious injury.

Always use an approved extension lead suitable for the power output from this generator. Before use, inspect the extension lead for signs of damage, wear and ageing. Replace the extension lead if damaged or defective. When using an extension lead on a reel, always unwind the lead completely. Use of an extension lead not suitable for the power input of the tool or which is damaged or defective may result in a risk of fire and electric shock.

It is recommended at a minimum that 1.5mm² Heavy Duty extension leads are used with the Generator and that the length is kept as minimal as possible to prevent power loss. All extension leads must incorporate an earthing conductor to ensure that there is no voltage difference between the generating set and any equipment powered by the generating set.

GENERAL SAFETY WARNINGS



WARNING! Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference. The term “power tool” in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1. Work area safety

- a. **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- b. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
- c. **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

2. Electrical safety

- a. **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- b. **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- c. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d. **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- e. **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

3. Personal safety

- a. **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- b. **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c. **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- d. **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- e. **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- f. **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- g. **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

h. Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles. A careless action can cause severe injury within a fraction of a second.

4. Power tool use and care

- a. Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
- b. Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c. Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d. Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- e. Maintain power tools.** Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- f. Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g. Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.
- h. Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

5. Service

- a. Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

GENERATOR SAFETY WARNINGS



WARNING! The appliance is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.

Young children should be supervised to ensure that they do not play with the appliance.

Important Safety Information

The manufacturer cannot possibly anticipate every possible circumstance that might involve a hazard. The warnings in the manual and the tags and labels on this generator are therefore, not all inclusive. If you use a procedure, work method or operating technique that the manufacturer does not specifically recommend, you must satisfy yourself that it is safe for you and others. You must also make sure that the procedure, work method or operating technique that you choose does not render the generator unsafe.

IMPORTANT! When using the equipment, a few safety precautions must be observed to avoid injuries and damage. Please read the complete operating manual with due care. Keep this manual in a safe place so that the information is available at all times. If you give the equipment to any other person, give them these operating instructions as well. We cannot accept any liability for damage or accidents which arise due to a failure to follow these instructions and the safety information.

- The generator is designed to give safe and dependable service if operated according to instructions. Read and understand the Owner's Manual before operating the generator. Failure to do so could result in personal injury or equipment damage.
- The generator is designed to supply electrical power for operating compatible electrical lighting, appliances, tools, and motor loads.
- Only use generator at rated output load and at standard atmospheric conditions.
- Do not use the product to provide power for emergency medical equipment or life support devices.
- Do not use the product to jump start vehicles. Doing so could result in damage to the vehicle or its electrical components.
- Do not use the product for any other purpose.
- The product operates best in temperatures between 5°C and 35°C with a relative humidity of 50%
- Gasoline is extremely flammable and explosive under certain conditions. Refuel in a well ventilated area with the engine stopped.
- Keep away from cigarette, smoke and sparks when re-fuelling the generator. Always refuel in a well ventilated location.
- Prevent the spilling of fuel as this may also ignite with the hot motor. Wipe up spilled gasoline at once. Never refuel whilst the engine running.
- Do not allow the generator's gas tank to overflow when filling. Fill to 25mm (1") below the top neck of the gas tank to allow for fuel expansion.
- Mix fuel outdoors where there are no sparks or flames. Wipe any fuel spillage. Move 9m away from refuelling site before starting engine.
- Never start or run the engine inside a closed or partially enclosed area. Breathing exhaust fumes will kill you.
- Keep all parts of your body away from any moving parts and all hot surfaces of the product.
- Wear eye protection as well as hearing protection when operating the product.
- Wear sturdy and dry shoes or boots. Do not operate while barefoot.
- Connections for standby power to a building's electrical system must be made by a

- qualified electrician and must comply with all applicable laws and electrical codes. Improper connections can allow electrical current from the generator to back feed into the utility lines. Such back feed may electrocute utility company workers or others who contact the lines during a power outage, and when utility power is restored, the generator may explode, burn, or cause fires in the building's electrical system.
- Do not touch bare wires or 240V outlets.
 - Before each use, make sure to check the generator wiring, outlets, and connectors for damage. You should not use the product if any of these parts are damaged.
 - Do not remove the oil dipstick or the fuel tank cap when the engine is running.
 - Store the generator in a dry area away from inflammable liquids.
 - Always make a pre-operation inspection before you start the engine. You may prevent an accident or equipment damage.
 - Always place the generator on stable flat surface.
 - Place the generator at least 1m (3ft) away from buildings or other equipment during operation, including overhead. ALWAYS operate generator a minimum of 2 meters from any conductive surface eg. metals. Keep all bystanders, children, and pets at least 3m away
 - Persons who are fitted with a heart pacemaker, or similar medical conditions should take care when using this device. Even the extra low voltage of the Battery charging output should not be handled by a person with medical conditions as or similar to the above.
 - Operate the generator on a level surface. If the generator is tilted, fuel spillage may result.
 - Do not operate in a hazardous location. Such areas include where there is a risk of explosion of petrol fumes, leaking gas or explosive dust.
 - Know how to stop the generator quickly and understand operation of all the controls. Never permit anyone to operate the generator without proper instructions.
 - Keep children and pets away from the generator when it is in operation.
 - Keep away from rotating parts while the generator is running.
 - The generator is a potential source of electrical shocks when misused; do not operate with wet hands.
 - Always pick up with two people using the handles.
 - Your power tool should only be passed on with these instructions.
 - Do not use in rain, wet or damp environment, this may lead to electrocution. Always keep the generator, appliances and power cords dry.
 - The electrical continuity of the 'earthing' core should be checked periodically from pin to socket to ensure continued electrical safety.
 - Some electrical appliances, e.g. portable drills, are marked or 'double insulated', in which case there will not be an earthing conductor in its mains lead (even though it may have a 3-pin plug).
 - Maintain normal safety precautions with appliances and accessories as for use on normal reticulated normal supply.
 - Locate set in convenient place, avoiding long extension leads and possible damage to leads by pedestrian or vehicular traffic.
 - Make sure to check plugs/cables connected to generator for faults before switching on.
 - Never open the Inverter cover. Always repair at certified electrician/repairer.
 - Always dispose used oil/fuel according to local environmental regulations.
 - Do not operate if housing is damaged. Take it to authorized repair agent.
 - Only used recommended fuel and oil for the Generator
 - Do not operate without the fuel cover

- Do not operate if the switch cover is broken.
- Do not modify the electrical wires/components in any way.
- This generator is NOT intended to be used in a construction site, worksite or demolition site. It is intended for DIY use only.
- Only use this Generator with 91 RON Unleaded Petrol.
- Do not operate the generator when you are tired or under the influence of drugs, alcohol, or medication.
- The generating set must not be connected to other power sources.
- Store unused engine oil in a well-ventilated place. Keep container tightly closed
- Dispose of oil bottle contents to authorised hazardous or special waste collection point in accordance with any local regulation.

DO NOT INGEST engine oil. IF SWALLOWED: Immediately call the Poisons Information Centre on 13 11 26 (Australia) or 0800 764 766 (NZ) for 24/7 expert advice.



WARNING! Do not parallel connect other cables to receptacles, use special jack, or it may cause an electrical shock.



WARNING! The muffler becomes very hot during operating and remains hot for a while after stopping the engine. Be careful not to touch the muffler while it is hot. Let the engine cool before storing the generator indoors.



WARNING! Exhaust contains poisonous carbon monoxide. Do not operate generator in confined area. Be sure to operate the generator in a well-ventilated environment or with an aerator. Using a generator indoors will kill you in minutes. Never use in the home or in a partly enclosed area such as garages. Only use outdoors and far from open windows doors and vents.



WARNING! Engine exhaust contains carbon monoxide, a poisonous gas that could kill you in minutes. You cannot smell it, see it, or taste it. Even if you do not smell exhaust fumes, you could still be exposed to carbon monoxide gas. If you start to feel sick, dizzy, or weak while using this product, get fresh air right away. See a doctor. You may have carbon monoxide poisoning.



WARNING! The output of this generating set is potentially Lethal. The set shall not be connected to a fixed electrical installation (such as household wiring) by fixed wiring except by an appropriately licensed person.



WARNING! The inverter generator is supplied with a grounding terminal that may reduce the risk of electrocution in certain applications. Always consult a qualified electrician before connecting the grounding terminal or when using the generator for applications other than direct connection of appliances (such as connection to a caravan).



WARNING! Do not operate in hazardous location e.g. Where there may be a risk of explosion of petrol fumes, leaking gas or explosive dust.



WARNING! Do not operate in a confined area where exhaust gases, smoke or fumes could reach dangerous concentrations.



WARNING! Do not refuel while engine is running. Position the product on level ground, stop engine, and allow the product to cool down before refuelling.

ASSEMBLY & SETUP



WARNING! Do not start the generator without oil. The generator has a safety device which will prevent starting with no oil.



WARNING! When checking the oil level, make sure the oil is cool, failure to do so may result in burns & personal injury.



WARNING! Always wear gloves, eye & hearing protection when operating the unit.



WARNING! Read & understand the instructions & warnings provided with the generator before operation.

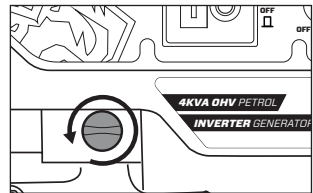
First Time Use

The generator is shipped without oil and must be filled before starting.



WARNING! The engine oil has been drained for shipping. Failure to fill the engine sump with oil before starting the engine may result in the generator not starting or sustaining permanent damage and will void the warranty.

1. Place the generator on level surface. Ensure engine switch, fuel tap and AC switches are all turned off.
2. Unscrew and remove the dipstick.



3. Pour 2/3 of the oil bottle into the oil sump and check the oil level with the dipstick, before topping up with oil to the correct level.
4. Replace the dipstick and proceed with the usual generator starting procedures.

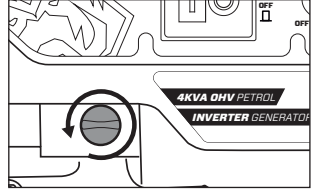


WARNING! Do not use non-detergent or 2-stroke engine oil as this may shorten the service life of the generator.

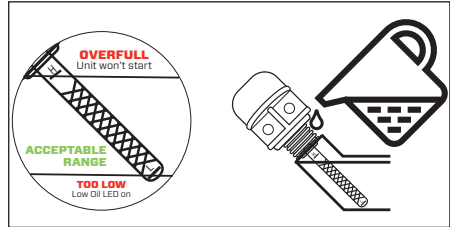
Checking The Oil

Oil sump capacity is 600ml. Always check the oil level before every use. Depending on the load/usage of the generator, the generator may require up to 200ml of oil top up every 25 hours.

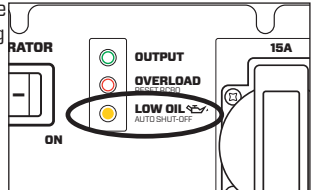
1. Be sure to check that the generator is on a level surface with the engine stopped.
2. Remove the dipstick, and wipe with a clean rag. Check the oil level by inserting the dipstick in the filler hole without screwing it in and then removing it again.



3. If the oil level is below the L mark on the dipstick, using the oil filler bottle, refill until it reaches the H level. Use premium quality 4-stroke engine oil. Recommended SAE 10W30 for most climate conditions in Australia.



Note: The Oil Alert LED will automatically illuminate when the oil level is critically low. When the LED illuminates, stop using the generator immediately and fill according to instruction above. It is recommended to check the oil level before each use and top up as necessary to avoid the inconvenience of an unexpected shutdown.



Note: The Oil Alert LED may also stop the engine if the oil level is filled above the H mark.

Refer to maintenance schedule for oil replacement information.



WARNING! Petrol is very flammable. Do not smoke or cause any sparks or flames near fuel. Make sure that you stop the engine & allow it to cool before refuelling the generator. Select an open outdoor area for fuelling & move at least 3m away from the fuelling point before starting the engine.



WARNING! Make sure to store fuel in a appropriate fuel container & keep away from food & drink sources.



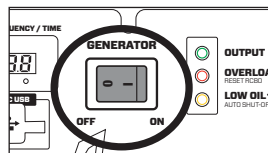
WARNING! Only use Ron 91 unleaded petrol. Do not use Diesel or any other type of fuel.



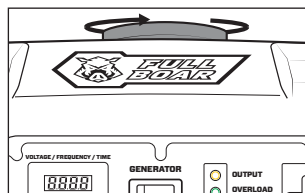
WARNING! Check fuel lines, tank, cap and fitting frequently for cracks or leaks.

Refuelling The Generator

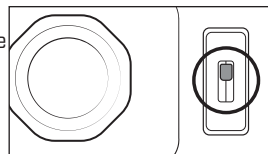
1. Switch off engine by moving the engine switch to the OFF position.



2. Remove the fuel cap by rotating in a anti-clockwise direction.



3. Add fuel to the tank (91 RON Unleaded Petrol). Do not overfill the fuel tank, check the fuel gauge on the fuel tank. Do not use ethanol blended fuels. Fuel tank capacity is 12L.



4. After refuelling, make sure the fuel cap is closed properly and securely.



WARNING! Be careful not to spill fuel when refuelling. Spilled fuel or fuel vapour may ignite. If any fuel is spilled, make sure the area is dry before starting the engine.

Fuel Consumption

Load	Fuel Consumption	Runtime (Full Tank)
Full Load (4000W)	1950mL/h	6.2 hours
Half Load (2000W)	1050mL/h	11 hours
Economy Load (1750W)	857mL/h	14 hours

Fuel Stabiliser

Fuel gets old, oxidises, and breaks down over time. It is recommended that a fuel stabiliser (not included) is used to extend the usable life of fuel and help prevent deposits from clogging the fuel system. Follow the fuel stabiliser manufacturer's directions for correct ratio of stabiliser to fuel.

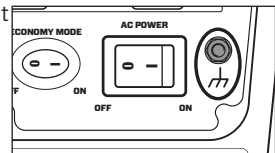
1. Mix fuel stabiliser and fuel prior to filling the tank by using an approved fuel container and shaking gently to combine.

Note: To ensure correct amount of fuel stabiliser is added to the engine, always mix fuel stabiliser with fuel before fuelling the tank rather than adding fuel stabiliser directly into the generator's fuel tank.

2. Start and run the engine for at least 5 minutes to allow stabiliser to treat the entire fuel system.

Grounding Terminal

The inverter generator is supplied with a grounding terminal that may reduce the risk of electric shock in certain applications.



WARNING! Always consult a qualified electrician before connecting the grounding terminal or when using the generator for applications other than direct connection of appliances (such as connection to a caravan).

OPERATION



WARNING! Place the generator at least 1m away from buildings or other equipment during operation including overhead. ALWAYS operate generator a minimum of 2m from any conductive surface eg. metals. Keep all bystanders, children, & pets at least 3m away

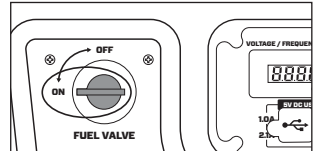


WARNING! Do not connect the generator to other power sources.

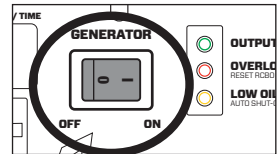
Starting The Generator

Before starting the engine, disconnect all appliances from the generator. Also check that there is sufficient oil and fuel.

1. Set the fuel valve to the 'ON' position.



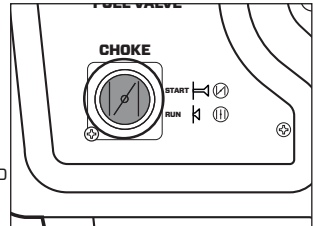
2. Set the engine power switch to the on position.



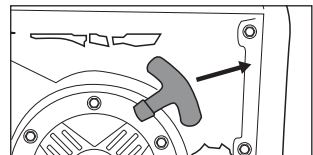
3. Adjust the choke lever to suit the conditions.

COLD START: If the weather is cold, pull the choke all the way out to the 'START' position.

WARM START: If the weather is warm, or the generator has recently been running, push the choke all the way in to the 'RUN' position.



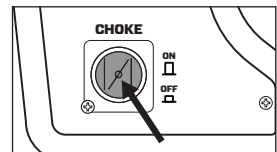
4. Hold the generator steady with one hand. With the other hand, pull slightly until you feel resistance on the recoil starter, then pull hard and swiftly.



Note: Do not let the recoil starter retract by itself, guide it back by hand.

Note: You may have to pull the recoil starter a few times until the generator starts.

5. Once started, push the choke all the way in to the 'OFF' position if it's not already there.

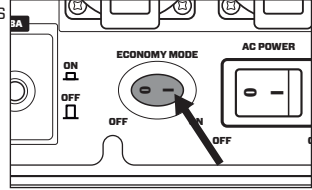


Fuel Economy Mode

The generator has a maximum rated power of 1750W in fuel economy mode.

If you will not be using the generator to run appliances with a cumulative power draw of 500W, this mode will allow the generator to run for longer before needing to be refuelled.

Flip the economy mode switch to the on position to start this function.



Note: The generator can be set to economy mode at any point whether it is already running or not. There is no need to stop and restart the generator when switching modes.

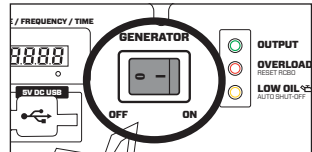


WARNING! Ensure that the power draw of all connected appliances does not total more than 1750W in fuel economy mode. Failure to do so will cause the overload switch to trip.

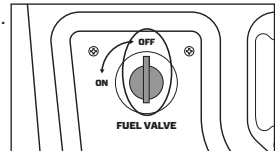
Stopping The Generator

Before stopping the generator, turn off any equipment it may be powering.

1. Set the engine power switch to the off position.



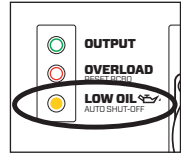
2. For transport or storage, set the fuel valve to the 'OFF' setting.



Low Oil Indicator (YELLOW)

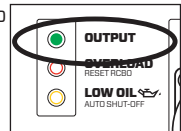
If the oil level becomes low while the generator is running, the oil level LED will light up yellow. The generator will also switch off automatically to prevent damage to crank case.

Follow the steps for checking the oil level, add engine oil and restart the generator as normal.



Power Indicator (GREEN)

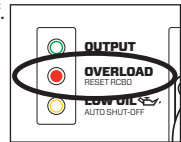
The green indicator LED will light up when power is ready to be supplied to the power outlets.



Overload Indicator (RED)

If the generator is overloaded or there is a short in the connected appliance, the red overload indicator will light up and current to the AC outlets will be cut-off.

Substantial overloading that continuously trips the generator may cause irreversible damage to the unit. Marginal overloading that temporarily lights up the overload indicator may shorten the service life of the generator.



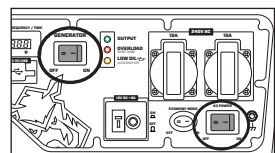
WARNING! Stop the generator if the overload indicator lights up and investigate the overload source.



WARNING! Ensure that all appliances are in good working order before connecting them to the generator. If an appliance begins to operate abnormally, becomes sluggish or stops suddenly, switch the generator off & discontinue use of the appliance.

Follow the steps below to reset the generator after an overload.

1. Flip the AC and engine power switches off.
2. Disconnect all appliances.
3. Restart the generator as described in the 'Starting The Generator' section.
4. Connect the appliances one at a time. If the overload switch trips again then the appliance is faulty - contact Full Boar Customer Service.



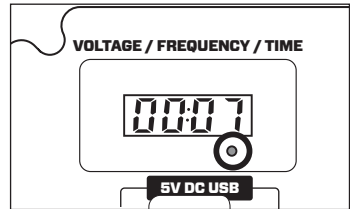
Digital Display

The digital display is able to show the voltage (V), frequency (Hz), runtime (hours & minutes) and a maintenance reminder.

The runtime counter displays the cumulative number of hours and minutes the generator has ever been in operation.

The maintenance reminder will display P25, P50 and P100 after 25, 50 and 100 hours respectively. This serves as a reminder to perform the scheduled maintenance. Refer to the maintenance section of this manual for more information.

1. Press and release the mode button on the digital display panel to toggle between the different settings.



Starting Watts (aka Surge Watts)

You may find that even though the appliance you wish to connect to the generator is below the rated power, the generator overloads. Some appliances require a higher power than noted on the appliance for start up; this is called starting watts or surge watts.

Some examples are listed below.

<i>Appliance</i>	<i>Running Power</i>	<i>Start-up Power</i>
Light	70W	70W
Airless Sprayer	650W	1300W
Refrigerator	700W	2000W
Water Pump	800W	2000W
Air Compressor	1100W	4000W
Circular Saw	1200W	2100W
Heater	2000W	2000W
Mitre Saw	2100W	3200W
Electric Stove	2400W	2400W

*Table details are approximate. Always check your appliance for accurate wattage.

Extension Cord

When an extension cable is required, be sure to use a rubber sheathed flexible cable. Limit length of extension cables to:

- 60m for cables of 1.5mm² and
- 100m for cables of 2.5mm².



WARNING! Before connecting, inspect the appliance cables. Do not use the appliance if there are signs of fraying and/or damage.



WARNING! Do not use the outlet if the covers are broken.

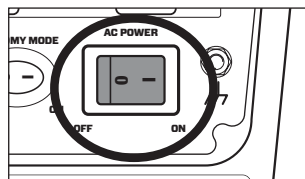
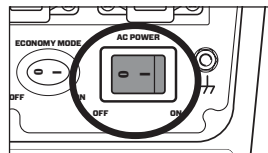
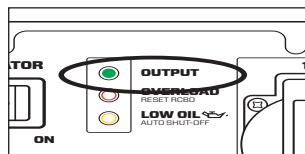


WARNING! Never add more load than the generator capacity. Take care to consider surge loads in generator capacity.

AC Appliances

Check the total rating of the appliance to be connected and ensure the rating of the appliance(s) does not exceed the rating of the generator.

1. Start the generator and ensure the AC power indicator lights up. Allow the engine to stabilise before connecting appliances.
2. Check that the appliance and the AC power switch are switched off.
3. Plug the appliance into either of the AC sockets.
4. Flip the AC power switch to the on position and then you can start using the equipment.



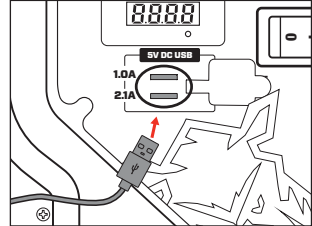
Note: If the connected appliance does not operate, refer to the 'Overload Indicator (RED)' and 'Inrush Current Overload' sections for troubleshooting.

USB Output

The generator has 2 USB outlets that supply 1.0A and 2.1A respectively. These are always on once the generator is started.

Connect the device to be charged/powered via a USB cable (not supplied) to the USB port.

Note: The USB outlets provides power only, it does not provide any communication capabilities. A suitable USB cable must be used (not included).



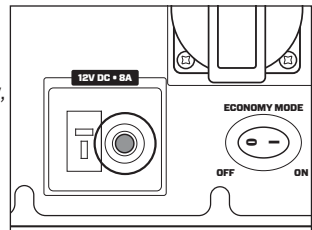
12V DC Battery Charging Outlet

The 12V outlet can be used to charge 12V DC batteries with a T-plug cable (not supplied).

1. Connect the charging cable (not supplied) to the 12V battery and plug the T-plug into the outlet.

Note: If the 12V outlet overloads, disconnect the 12V battery, press the reset switch to reset the outlet.

Connect the 12V battery to be charged again. If the overload switch trips again then the appliance is faulty - contact Full Boar Customer Service.



TROUBLESHOOTING

Problem	Possible Cause	Solution
Engine <ul style="list-style-type: none"> ▪ will not start, ▪ shuts down after starting or ▪ starts but runs rough 	Choke is in off position.	Move choke to on position.
	No fuel.	Add unleaded 91 RON petrol to fuel tank.
	Engine switch is in the off position.	Set engine switch to on.
	Oil is low.	Check oil level and fill if necessary.
	Spark plug connector is not properly connected.	Check and reattach connector if necessary.
	Spark plug is faulty.	Replace spark plug.
	Fuel is stale/old, or there is water in the fuel.	Drain system of all fuel and refill with fresh unleaded 91 RON petrol.
	Engine is flooded.	Wait 5 minutes before restarting engine.
	Engine stored without treating or draining fuel. Bad fuel is used.	Drain system of all fuel and refill with fresh unleaded 91 RON petrol.
	Air filter is dirty.	Check air filter. Clean if necessary.
Fuel filter is dirty.	Check fuel filter. Clean if necessary.	
Engine lacks power	Engine stored without treating or draining fuel. Bad fuel is used.	Drain system of all fuel and refill with fresh unleaded 91 RON petrol.
	Air filter is dirty.	Check air filter. Clean if necessary.
No power	Device plugged in is faulty.	Check device for damage, try plugging in a different device.
	Generator is overloaded.	Refer to overload indicator section.
	Poor connection or defective cable.	Check for damage and replace if necessary.

MAINTENANCE



WARNING! Shut off the generator & disconnect any appliances/cables before performing any maintenance. Place generator on a level surface and remove spark plug cap to prevent accidental starting.



WARNING! Engine parts will get extremely hot while the Generator is running. Wait until the Generator has completely cooled down before carrying out any maintenance.



WARNING! Never remove the front panel or the inverter cover. If the Front panel and/or the inverter cover is damaged, stop using the Generator immediately. Contact customer service.



WARNING! Always wear eye protection with side shields. Failure to do so could result in objects being thrown into your eyes, resulting in possible serious injury.

Maintenance Schedule

The purpose of the maintenance and adjustment schedule is to keep the generator in the best operating condition.

Inspect or service as scheduled in the table below.

Part	Operation	Periodic Maintenance Time (1)				
		Every Use	Every month or 20hrs	Every 3 months or 50hrs	Every 6 months or 100hrs	Every year or 300hrs
Oil	Examine	•				
	Replace			•		
Air Filter	Examine	•				
	Clean			• (2)		
Muffler & Spark Arrestor	Examine	•				
	Clean		•			
Spark Plug	Clean/Adjust				•	
Fuel Sediment Bowl	Clean				•	
Valve Clearance	Examine/Adjust					• (3)
Fuel & Fuel Filter	Replace					• (3)
Fuel Line	Examine	Every 2 years (If necessary, please change) (3)				

Note:

- (1) Log hours of operation to determine proper maintenance.
- (2) Service more frequently when used in dusty areas.
- (3) These items should only be carried out by an authorised service centre.

Note: Ozito Industries will not be responsible for any damage or injuries caused by the repair of the tool by an unauthorised person or by mishandling of the tool.



WARNING! Use authorised parts or their equivalent. The use of replacement parts which are not of equivalent quality may damage the generator.

Oil Change

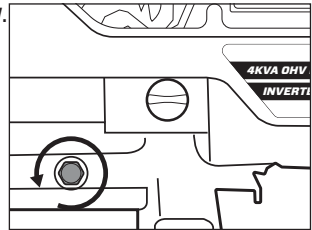


WARNING! Ensure the engine switch & fuel lever are off before draining.



WARNING! Do not change oil while it is hot. Accidental contact with hot engine lubricant can result in serious burns.

- 1. Use a spanner (not supplied) to remove the oil drain screw.



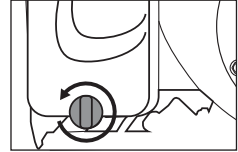
- 2. Place a suitable container underneath the oil drain hole & tilt the generator to collect the oil.
- 3. Refit the oil drain screw.
- 4. Refill the generator with new oil as per the instructions in '**Checking The Oil**'. Use a clean rag to wipe up any spilled oil.

Note: Dispose of used motor oil in a manner that is compatible with the environment. Do not throw it in the rubbish bin, pour it down the drain or on the ground.

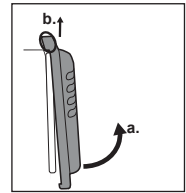
Air Filter Service

A dirty air filter will restrict air flow to the carburettor. To prevent carburettor malfunction, service the air cleaner regularly. Service more frequently when operating the generator in extremely dirty areas.

1. Undo the air filter screw.



2. Lift the filter cover from the bottom edge and unhook it from the two tabs on the top edge.



3. Check the air filter sponge is intact and clean. If not, rinse with water and allow to dry or replace the filter.

Note: It is normal for a little oil to appear under the air filter box if the generator is running for a long period of time, or if a lot of oil is in the engine. Wipe up the excess oil after each use and after stopping the generator.

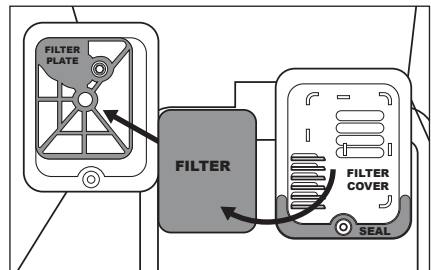


WARNING! Do not use petrol or low flashpoint solvents for cleaning. They are flammable & explosive under certain conditions.



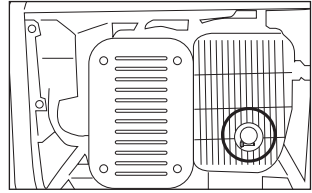
WARNING! Never run the engine without the air filter in place. Rapid engine wear will result from contaminants such as dust & dirt being drawn through the carburettor & into the engine.

4. Pour a small amount of oil on the filter sponge then squeeze, but do not wring out excess oil. The filter sponge should be damp, but not dripping with oil.
5. Ensure the filter plate & rubber seal are located properly then reinsert the air filter sponge and replace the cover.

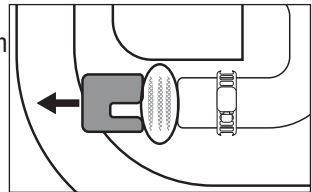


Spark arrestor

1. Loosen the bolt then remove the spark arrestor.



2. Check the spark arrestor mesh for carbon deposits. Remove carbon deposits from all three meshes gently with a wire brush (not included).



3. Check the spark arrestor for damage. If damaged replace with replacement parts specifically designed for this unit.

4. Re-install the spark arrestor. Tighten the bolt to secure the spark arrestor.



WARNING! Do not run generator without the spark arrestor properly assembled.

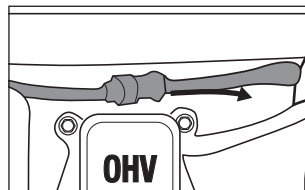


WARNING! Use caution around the muffler, cylinder and other engine parts as they can be extremely hot. Allow hot components to cool before touching.

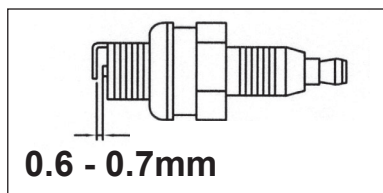
Spark Plug Servicing

Use only good quality **Torch F7RTC** spark plugs. To ensure proper engine operation, the spark plug must be properly gapped and free of deposits.

1. Pull out the spark plug lead.



2. Remove the spark plug using the spark plug wrench supplied by turning it anti-clockwise.
3. Clean the electrode with a metal brush and remove any carbon build-up or replace the spark plug. Set the electrode gap to 0.6 - 0.7mm.



4. Install the spark plug carefully by hand to avoid cross-threading. Tighten it securely with the spark plug wrench.
5. Reinstall the spark plug lead.



WARNING! Do not attempt to service the spark plug immediately after switching off the generator. The engine parts can get very hot and can cause severe burns to the skin. Wait until the generator is completely cooled before servicing.

TRANSPORT & STORAGE

Transporting The Generator



WARNING! The generator is a heavy piece of machinery. Have 2 people carry the generator by the handles when moving it.

- Wait until the generator has completely cooled down before transporting. Always ensure to grip by the provided gripping surfaces.
- Do not move generator while it is in operation. The generator may be damaged when operating this way.
- Do not overfill the fuel tank.
- Avoid exposure to direct sunlight when putting the generator in a vehicle. If the generator is left in an enclosed vehicle for many hours, high temperatures inside the vehicle could cause fuel to vaporize, resulting in a possible explosion.
- Do not operate the generator while it is on a vehicle. Take the generator off the vehicle and use it in a well ventilated place.
- Do not drive on a rough road for an extended period with the generator on board. If you must transport the generator on a rough road, drain the fuel from the generator beforehand.

Note: Dispose of fuel in a manner that is compatible with the environment. Do not throw it in the rubbish bin, pour it down the drain or on the ground.

Storage

Ensure the storage area is not excessively humid or dusty and not accessible to unauthorised persons.

1. Completely drain the fuel from the tank or open the fuel valve, start the engine and operate it in the idle position until all remaining fuel is gone and the engine stops automatically.
2. Allow the generator to cool completely.
3. Discharge the oil as described in the 'Oil Change' section.
4. Ensure the fuel tap is in the closed position.
5. Wipe any oil and petrol residues on the generator with a clean dry cloth before putting away for storage.

RISK ASSESSMENTS

Risk of Fire

Hazard	What could happen	How to prevent it
Attempting to fill the fuel tank while the engine is running	Fuel and fuel vapours can become ignited by coming in contact with hot components such as the muffler, engine exhaust gases, or from an electrical spark.	Turn engine off and allow it to cool before adding fuel to the tank. Equip area of operation with a fire extinguisher certified to handle fuel fires.
Sparks, fire, hot objects	Cigarettes, sparks, fires, or other hot objects can cause fuel or fuel vapours to ignite.	Add fuel to tank in well ventilated area. Make sure there are no sources of ignition near the generator.
Improper storage of fuel	Improperly stored fuel could lead to accidental ignition. Fuel improperly secured could get into the hands of children or other unqualified persons.	Store fuel in an approved container designed to hold fuel. Store container in secure location to prevent use by others.
Inadequate ventilation for generator	Materials placed against or near the generator or operating the generator in areas where the temperature exceeds 40°C. ambient (such as storage rooms or garages) can interfere with its proper ventilation features causing overheating and possible ignition of the materials or buildings.	Operate generator in a clean, dry, well ventilated area. DO NOT OPERATE UNIT INDOORS OR IN ANY CONFINED AREA.
Overfilling the fuel tank - fuel spillage	Spilled fuel and its vapours can become ignited from hot surfaces or sparks.	Use care in filling the tank to avoid spilling fuel. Make sure fuel cap is secured tightly and check engine for fuel leaks before starting engine. Move generator away from refuelling area or any spillage before starting engine. Allow for fuel expansion. Never refuel with the engine running.

Risk of Electrocutation & Fire

Hazard	What could happen	How to prevent it
Improper storage of extension cord.	Extension cord can come into contact with hot engine parts resulting in damage. Using a damaged extension cord can result in electrocution or death.	Remove extension cord from the generator and store separately away from generator.
Operation of generator in heavy rain, wet, icy, or flooded conditions.	Water is an excellent conductor of electricity! Water which comes in contact with electrically charged components can transmit electricity to the frame and other surfaces, resulting in electrical shock to anyone contacting them.	Operate generator in a clean, dry, well ventilated area. Make sure hands are dry before touching unit.
Placing generator on or against highly conductive surface, such as a steel walkway or metal roof.	Accidental leakage of electrical current could charge conductive surfaces in contact with the generator.	Place generator on low conductivity surface such as a concrete slab. ALWAYS operate generator a minimum of 2 meters from any conductive surface.
Operation of unit when damaged, or with guards or panels removed.	Attempting to use the unit when it has been damaged, or when it is not functioning normally could result in fire or electrocution. Removal of guarding could expose electrically charged components and result in electrocution.	Do not operate generator with mechanical or electrical problem. Have unit repaired by an Authorized Service Centre. Do not operate generator with protective guarding removed.

Risk of Unsafe Operation

Hazard	What could happen	How to prevent it
Operation of generator in careless manner	All sources of energy include the potential for injury. Unsafe operation or maintenance of your generator could lead to serious injury or death to you or others.	Review and understand all of the operating instructions and warnings in this manual. Become familiar with the operation and controls of the generator. Know how to shut it off quickly. Equip area of operation with a fire extinguisher certified to handle gasoline or fuel fires. Keep children or others away from the generator at all times.
Operating generator while suspended	Generator will not operate properly and will cause damage to the generator and could cause serious injury or death to you or others.	Never operate generator while suspended or in an unlevel position. Always operate generator on a flat, level surface.

Risk of Hot Surfaces

Hazard	What could happen	How to prevent it
Contact with hot engine and generator components	Contact with hot surfaces, such as engines exhaust components, could result in serious burns.	During operation, touch only the control surfaces of the generator. Keep children away from the generator at all times. They may not be able to recognize the hazards of this product.






















Risk of Injury & Property Damage When Transporting The Generator

Hazard	What could happen	How to prevent it
Fire, Inhalation, Damage to Vehicle Surfaces	Fuel or oil can leak or spill and could result in fire or breathing hazard, serious injury or death can result. Fuel or oil leaks can damage carpet, paint or other surfaces in vehicles or trailers.	Transport fuel only in an approved fuel container. Always place generator on a protective mat when transporting to protect against damage to vehicle from leaks. Remove generator from vehicle immediately upon arrival at your destination.

Risks From Lifting

Hazard	What could happen	How to prevent it
Lifting a very heavy object	Serious injury can result from attempting to lift a heavy object.	When lifting, always keep the object you are lifting near the vertical axis of your body. DO NOT use you back to lift heavy loads. Both people should crouch down, grab the top handles of the unit and use your legs to carry the weight. Keep the object as near the centre of your body's gravity as possible. Avoid twisting your bodies when carrying the unit; instead, turn your whole body using your feet.

DESCRIPTION OF SYMBOLS

V	Volts	Hz	Hertz
~	Alternating Current	W	Watts
L	Litres	A	Amperes
cc	Cubic centimetres	dB	Decibels
m	Metres		Wear hearing protection
	Use unleaded 91 RON petrol		Add 4-stroke engine oil
	Engine may continue to rotate after machine is switched off		Ground/Chassis, consult with local electrician to determine the grounding requirements before operation
	Warning! Risk of shock		Keep bystanders away
	Exhaust contains poisonous carbon monoxide. Do not operate generator in confined areas.		Do not expose to rain
	Hot surface		Extremely hot surface, do not touch. Risk of burns
	Do not smoke		Toxic fumes
	Regulatory Compliance Mark (RCM)		Warning
	Wear eye, ear & breathing protection		Warning
	Harmful chemicals		Health hazard
		Read Instruction Manual	

CARING FOR THE ENVIRONMENT



Power tools that are no longer usable should not be disposed of with household waste but in an environmentally friendly way. Please recycle where facilities exist. Check with your local council authority for recycling advice.



Recycling packaging reduces the need for landfill and raw materials. Reuse of recycled material decreases pollution in the environment. Please recycle packaging where facilities exist. Check with your local council authority for recycling advice.

Distributed by:

TB Imports

AUSTRALIA (Head Office)

25 Fox Drive, Dandenong South Victoria, Australia, 3175

Telephone: 1800 951 371 (Aus), 0800 647 840 (NZ)

WARRANTY

YOUR WARRANTY FORM SHOULD BE RETAINED BY YOU AT ALL TIMES. IN ORDER TO MAKE A CLAIM UNDER THIS WARRANTY YOU MUST RETURN THE PRODUCT TO YOUR NEAREST BUNNINGS WAREHOUSE (see www.bunnings.com.au or www.bunnings.co.nz for store locations) WITH YOUR BUNNINGS REGISTER RECEIPT. PRIOR TO RETURNING YOUR PRODUCT FOR WARRANTY PLEASE TELEPHONE OUR CUSTOMER SERVICE HELPLINE:

**Australia 1800 951 371
New Zealand 0800 647 840**

TO ENSURE A SPEEDY RESPONSE PLEASE HAVE THE MODEL NUMBER AND DATE OF PURCHASE AVAILABLE. A CUSTOMER SERVICE REPRESENTATIVE WILL TAKE YOUR CALL AND ANSWER ANY QUESTIONS YOU MAY HAVE RELATING TO THE WARRANTY POLICY OR PROCEDURE.

1 YEAR WARRANTY

Your product is guaranteed for a period of **12 months from the original date of purchase**. If a product is defective it will be repaired in accordance with the terms of this warranty. Warranty excludes consumable parts, for example: wheels, bearings.

The benefits provided under this warranty are in addition to other rights and remedies which are available to you under law. The warranty covers manufacturer defects in materials, workmanship and finish under normal use.

Our goods come with guarantees that cannot be excluded under Australian Consumer law & Consumer Guarantees Act 1993 (NZ). You are entitled to a replacement or refund for a major failure and to compensation for other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired and replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

WARRANTY EXCLUSIONS

The following actions will result in the warranty being void.

- If the tool has been operated on a supply voltage other than that specified on the tool.
- If the tool shows signs of damage or defects caused by or resulting from abuse, accidents or alterations.
- Failure to perform maintenance as set out within the instruction manual.
- If the tool is disassembled or tampered with in any way.
- The warranty excludes damage resulting from product misuse or product neglect.

This warranty is given by TB Imports.

ABN: 17 050 731 756

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0800 647 840 (NZ)

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