RYOBI POWER EQUIPMENT

WARRANTY

Subject to the warranty conditions below, this RYOBI tool (hereinafter called “the Product”), is warranted by Ryobi (herein called “the Company”) to be free from defects in material or workmanship for a period of 24 months from the date of original purchase covering both parts and labour. Under the terms of this warranty, the repair or replacement of any part shall be the opinion of the Company or its authorised agent. Should service become necessary during the warranty period, the owner should contact the authorised Ryobi retailer from whom the product was purchased, or the nearest Company branch office. In order to obtain warranty service, the owner must include the Sales Docket and Warranty Certificate to confirm date of purchase. This Product is sold by the dealer or agent as principal and the dealer has no authority from the Company to give any additional warranty or guarantee on the Company’s behalf except as herein contained or herein referred to.

Warranty Conditions

This warranty only applies provided that the Product has been used in accordance with the manufacturer's recommendations under normal use and reasonable care (in the opinion of the Company) and such warranty does not cover consumable components, damage, malfunction or failure resulting from misuse, neglect, abuse, or used for a purpose for which it was not designed, or is not suited and no repairs, alterations or modifications have been attempted by other than an Authorised Service Agent. This guarantee will not apply if the tool is damaged by accident or if repairs arise from normal wear and tear.

Accessories such as bits,blades, sanding discs, cutting lines, etc., are excluded from this guarantee. Normal consumable parts, such as carbon brushes, bearings, chucks, cord assembly’s, spark plugs, recoil pulleys and bump head assembly’s are specifically excluded from this guarantee.

The Company accepts no additional liability pursuant to this warranty for the costs of traveling or transportation of the Product or parts to and from the sevice dealer or agent - which costs are not included in the warranty.

Nothing herein shall have the effect of excluding, restricting or modifying any conditions, warranty, right or liability imposed, to the extent only that such exclusion, restriction or modification would render any term herein void.

RYOBI®

STEVENS & CO (Pty) Ltd
604, 16th Street, Randjespark
Midrand, South Africa

P O Box 4059
HALFWAY HOUSE
1685, South Africa

Tel: +27 (11) 357-9600
Fax: +27 (11) 805-5541
email: stevens@ryobi.co.za

THIS WARRANTY FORM
SHOULD BE RETAINED BY THE CUSTOMER AT ALL TIMES.

For your record and to assist in establishing date of purchase (necessary for in-warranty service), please keep your purchase docket and this form, completed with the following particulars.

PURCHASED FROM:.....

ADDRESS OF DEALER:.....

DATE:..... MODEL NO..... SERIAL NO.....

Present this form with your Purchase Docket when Warranty Service is required.

RYOBI®

OWNER'S OPERATING MANUAL

INVERTER GENERATOR

MODEL RG-1280I

SPECIFICATIONS

Engine type	forced air single cylinder, 4 stroke 97.7cc
Engine speed	3600 r/min
Oil tank capacity	450 ml
Fuel tank capacity	5.0l
Spark plug	E5RTC
Rated voltage	230V~50Hz
Rated output	1000W
Maximum output	1200W
Rated current	4.35A
Phase	1
Protection class/Performance class/Quality class	IP23M/G1/A
USB output	5V, Max. 1A
Maximum temperature/altitude	40ºC/1000m
Noise	< 95dB
Nett weight	18 kg

THANK YOU FOR BUYING A RYOBI INVERTER GENERATOR

Your new inverter generator has been engineered and manufactured to Ryobi's high standard of dependability, ease of operation and operator safety. Properly cared for, it will give you years of rugged, trouble free performance. If you use your inverter generator properly and only for what it is intended, you will enjoy years of safe, reliable service.

CAUTION: Carefully read through this entire owner's manual, paying close attention to the general safety rules and rules for safe operation, before using.

KEEP THIS MANUAL FOR FUTURE REFERENCE

IMPORTANT SAFETY INSTRUCTIONS

The purpose of safety rules is to attract your attention to possible dangers. The safety symbols and the explanations with them, require your careful attention and understanding. The safety warnings do not by themselves eliminate any danger. The instruction or warnings they give are not substitutes for proper accident prevention measures.

SAFETY ALERT SYMBOL. Indicates caution or warning. May be used in conjunction with other symbols or pictures.

Failure to obey a safety warning can result in serious injury to yourself or to others. Always follow the safety precautions to reduce the risk of fire, electric shock and personal injury.

Do not attempt to operate this tool until you have read thoroughly and completely understood the safety rules, etc. contained in this manual. Failure to comply can result in accidents involving fire, electric shock or serious personal injury. Save this Owners Operating Manual and review it frequently for continual safe operation and for instructing others who may use this tool.

Do not use E15 or E85 fuel in this product. It will damage the unit and void your warranty. Only use unleaded gasoline containing up to 10% ethanol.

Due to continued product refinement policy, product features and specifications can and will change without notice. Check current features and specifications with your retailer.

DANGER: CARBON MONOXIDE. Using a generator indoors CAN KILL YOU IN MINUTES.

Generator exhaust contains high levels of carbon monoxide (CO), a poisonous gas you cannot see or smell. If you can smell the generator exhaust, you are breathing CO. But even if you cannot smell the exhaust, you could be breathing CO.

Never use a generator inside homes, garages, crawlspaces, or other partly enclosed areas. Deadly levels of carbon monoxide can build up in these areas. Using a fan or opening windows and doors does NOT supply enough fresh air.

ONLY use a generator outdoors and far away from open windows, doors, and vents. These openings can pull in generator exhaust.

Even when you use a generator correctly, CO may leak into the home. ALWAYS use a battery powered or battery-backup CO alarm in the home.

If you start to feel sick, dizzy, or weak after the generator has been running, move to fresh air RIGHT AWAY. See a doctor. You could have carbon monoxide poisoning.

WARNING: Read and understand all instructions. Failure to follow all instructions listed below could result in electrocution, fire, and/or carbon monoxide poisoning, which can cause death or serious injury.

WARNING: In some applications, National Electric Code requires the generator to be grounded to an approved earth ground. Before using the ground terminal, consult a qualified electrician, electrical inspector, or local agency having jurisdiction for local codes or ordinances that apply to the intended use of the generator.

SAVE THESE INSTRUCTIONS

The generator must be mounted on a firm level surface.

Do not allow children or untrained individuals to use this unit.

Keep all bystanders, children, and pets at least 10 feet away.

Wear sturdy and dry shoes or boots. Do not operate while barefoot.

IMPORTANT SAFETY INSTRUCTIONS

Do not operate generator when you are tired or under the influence of drugs, alcohol, or medication.

The electrical output load must not exceed the maximum load stated on the rating plate. Exceeding the rated load will damage the unit or shorten its life and will invalidate the guarantee.

The engine must not be run at speeds that exceed the maximum stated on the rating plate.

Operating an engine at excessive speeds increases the hazard of personal injury.

Do not tamper with components, which may increase or decrease the governed speed.

Mains extension leads, mains supply leads, and all electrical equipment must be in good working condition.

Never operate electrical equipment with damaged or defective mains supply leads.

Keep the area around the generator clear of obstructions at all times. Never locate the generator against a building or near a canvas or plastic structure i.e.Tents etc.

Always use the correct fuel mix as stated in the user manual and on the rating plate.

To reduce the risk of fire and burn injury, handle fuel with care. It is highly flammable.

Do not smoke while handling fuel.

Store fuel in a container approved for gasoline.

To prevent fire, always stop the engine and allow to cool for five minutes before refueling and never over fill the fuel tank.

Loosen fuel cap slowly to release pressure and to keep fuel from escaping around the cap.

Tighten the fuel cap securely after refueling.

Wipe spilled fuel from the unit.

Never attempt to burn off spilled fuel under any circumstances.

Always clean up spilt fuel immediately using sand.

Do not use the generator in or near an explosive atmosphere.

To prevent an electric shock, never operate the machine in rain, snow or touch with wet hands.

Check the fuel system periodically for leaks. Seals and hoses should be checked for signs of deterioration or chafing. Check for loose or missing clamps damaged fuel tank or filler cap. All defects should be corrected before further use.

Always allow the generator to reach full operating speed before connecting any electrical load. Always disconnect the electrical load before switching the generator off.

To prevent surging that may possibly damage electrical equipment, do not allow engine to run out of fuel while electrical loads are connected.

Before transporting the generator in a vehicle, drain all fuel to prevent spillage.

To prevent an electric shock and fire, never connect an electrical load with the electrical output switched on.

Do not connect the generator to any other electrical source.

Before storing, allow the engine to cool for 30 minutes and drain fuel from the unit.

Do not store the generator in rain, snow, or wet weather.

Store the generator in a well-ventilated area with the fuel tank empty. Fuel should not be stored near the generator.

Empty fuel tank, place the engine switch/fuel valve/choke lever in the OFF position, and restrain the unit from moving before transporting in a vehicle.

Provide a plastic sheet or absorbent pad below the generator to catch any drips of fuel or lubricant when transporting.

Generators vibrate in normal use. During and after the use of the generator, inspect the generator as well as extension cords and power supply cords connected to it for damage resulting from vibration. Have damaged items repaired or replaced as necessary. Do not use plugs or cords that show signs of damage such as broken or cracked insulation or damaged blades.

IMPORTANT SAFETY INSTRUCTIONS

For power outages, permanently installed stationary generators are better suited for providing back-up 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.

Inspect the unit before each use for loose fasteners, fuel leaks, etc. Replace damaged parts.

Use only recommended or equivalent replacement parts and accessories. Use of any other parts or failure to follow maintenance instructions may create a risk of shock or injury.

FUEL FILLING SAFETY RULES

DANGER: RISK OF FIRE AND SERIOUS BURNS. Never remove fuel cap when unit is running. Shut off engine and allow the unit to cool at least five minutes. Remove cap slowly.

WARNING: Select bare ground for fuelling and move at least 10 feet (3m) from fuelling spot before starting the engine.After refuelling, properly tighten fuel cap; wipe off any spilled fuel and check for leakage.

WARNING: If fuel gets spilled on clothes, especially trousers, it is very important to change clothes immediately. Do not rely on evaporation. Flammable quantities of fuel may remain on clothes after a spill for longer than expected.

WARNING: Vibrations can cause an improperly tightened fuel cap to loosen or come off and spill quantities of fuel. In order to reduce the risk of fuel spillage and fire, tighten fuel filler cap by hand as securely as possible. Before use always make sure that the fuel cap has been properly tightened. Check for fuel leakage while refuelling and during operation. If a fuel leak is suspected, do not start or run the engine until leak is fixed and spilled fuel has been wiped away.

ADDING OR REMOVING FUEL
Turn the generator off and let it cool for at least five minutes before removing the fuel cap. Loosen the cap slowly to relieve pressure in the tank.

Only fill or drain fuel outdoors in a well-ventilated area.

DO NOT pump gasoline directly into the generator at the gasoline station. Use an approved container to transfer the fuel to the generator.

DO NOT overfill the fuel tank.

Always keep fuel away from sparks, open flames, pilot lights, heat and other sources of ignition.

DO NOT light or smoke cigarettes.

WHEN STARTING THE GENERATOR
DO NOT attempt to start a damaged generator.

Make certain that the gas cap, air filter, spark plug, fuel lines and exhaust system are properly in place.

Allow spilled fuel to evaporate fully before attempting to start the engine.

Make certain that the generator is resting firmly on level ground.

WHEN OPERATING THE GENERATOR
DO NOT move or tip the generator during operation.

DO NOT tip the generator or allow fuel or oil to spill.

WHEN TRANSPORTING OR SERVICING THE GENERATOR
Make certain that the fuel shutoff valve is in the off position and the fuel tank is empty.

Disconnect the spark plug wire.

When storing the generator:

Store away from sparks, open flames, pilot lights, heat and other sources of ignition.

SPECIFIC SAFETY RULES

WARNING: When this generator is used to supply a building wiring system: the generator must be installed by a qualified electrician and connected to a transfer switch as a separately derived system in accordance with South African Wiring Rules. The generator shall be connected through a transfer switch that switches all conductors other than the equipment grounding conductor. Failure to isolate the generator from power utility can result in death or injury to electric utility workers.

Exhaust fumes contains poisonous carbon monoxide, a colourless, odourless gas. Breathing exhaust fumes can cause loss of consciousness and can lead to death. If running in a confined or partially enclosed area, the air may contain a dangerous amount of carbon monoxide. To keep exhaust fumes from building up, always provide adequate ventilation.

Always use a battery-powered carbon monoxide detector when running the generator. If you begin to feel sick, dizzy, or weak while using the generator, shut it off and get to fresh air immediately. See a doctor. You may have carbon monoxide poisoning.

Place the generator on a flat, stable surface with a slope of no more than 4°.

Operate in a well-ventilated, well-lit area isolated from working areas to avoid noise interference.

Operating the generator in wet conditions could result in electrocution. Keep the unit dry.

Keep the generator a minimum of 1m away from all types of combustible material.

Do not operate the generator near hazardous material.

Do not operate the generator at a petrol station.

Do not touch the muffler or cylinder during or immediately after use; they are HOT and will cause burn injury.

Do not connect to a building's electrical system unless a transfer switch has been properly installed by a qualified electrician.

Do not allow the generator's fuel tank to overflow when filling. Fill to 25mm below the top neck of the unleaded fuel tank to allow for fuel expansion.

Check the ventilation hole inside the fuel tank cap for debris. Do not block the vent.

Do not smoke when filling the generator with unleaded fuel.

Allow the engine to remain in a shut-down condition for at least five minutes before adding unleaded fuel or oil.

Do not remove the oil dipstick or the fuel tank cap when the engine is running.

Pay close attention to all safety labels located on the generator.

Keep children a minimum of 3m away from the generator at all times.

The unit operates best in temperatures between 5°C and 40°C with a relative humidity of 30~95%.

Operation of the generator at altitudes above 1,000m may require retuning. Consult a qualified service technician.

When using extension lines or mobile distribution networks the total length of lines for a cross section of 1.5mm^2 should not exceed 60m; for a cross section of 2.5mm^2 this should not exceed 100m.

The generating set must not be connected to other-power sources

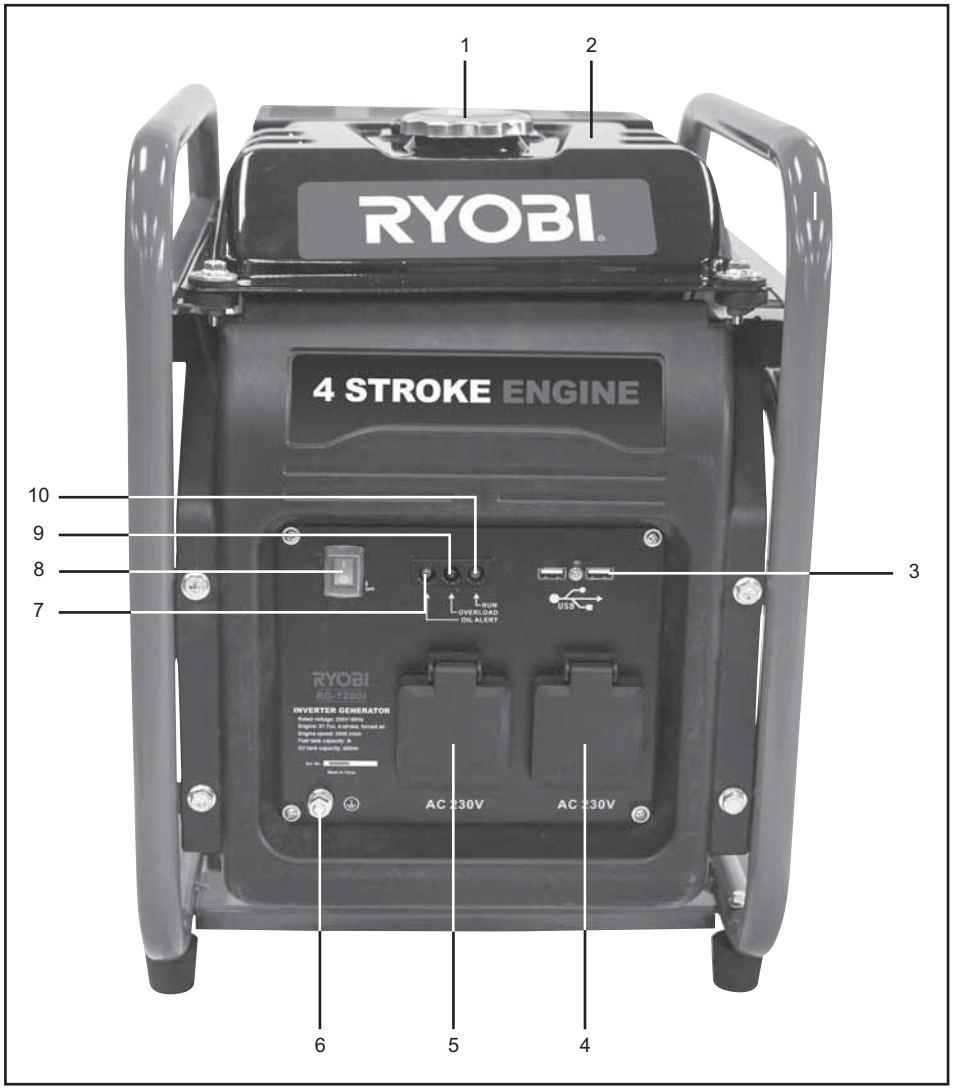
Save these instructions. Refer to them frequently and use them to instruct others who may use this tool. If you loan someone this tool, loan them these instructions also.

Rotating parts can entangle hands, feet, hair, clothing and/or accessories. Keep hands and feet away from rotating parts. Tie up long hair and remove jewellery. Operate equipment with guards in place. DO NOT wear loose-fitting clothing, dangling drawstrings or items that could become caught.

Sparks can result in fire or electrical shock.

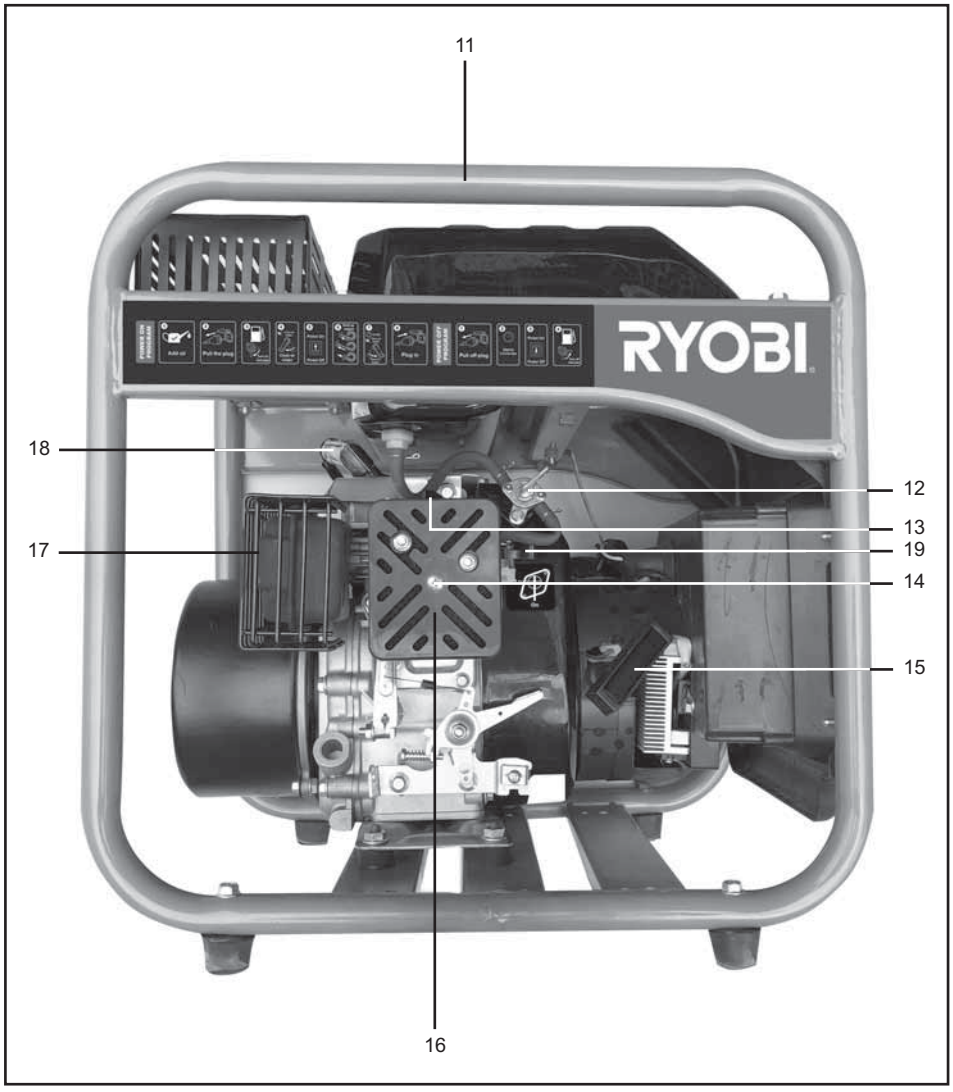
When servicing the generator: Disconnect the spark plug wire and place it where it cannot contact the plug. DO NOT check for spark with the plug removed. Use only approved spark plug testers.

DESCRIPTION



1. Fuel cap
2. Fuel tank
3. USB sockets
4. AC socket (Right side)
5. AC socket (Left side)
6. Ground terminal
7. Oil alert indicator (yellow)
8. Engine switch
9. Engine overload indicator (red)
10. Power indicator light (green)

DESCRIPTION



11. Frame
12. Fuel valve 1
13. Choke lever
14. Air filter connection screw
15. Recoil starter grip
16. Air filter cover
17. Muffler
18. Spark plug cap
19. Fuel valve 2

PRE-OPERATION CHECK

CHECKING THE ENGINE OIL

WARNING. Running the generator with insufficient engine oil can cause serious engine damage.

Engine oil should be replaced during regular maintenance or when the oil level is below the end of the dipstick.

WARNING. Before checking or replacing oil, make sure the engine is fully stopped and ther generator is situated on a stable and level surface.

ADDING ENGINE OIL

Engine oil has a major influence on engine performance and service life. For general, all temperature use, SAE 15W-40 is recommended. Always use a 4-stroke motor oil. Non-detergent or 2-stroke engine oils will damage the engine and should not be used.

1. Place the generator on an even surface with the spark plug side facing up and unscrew the oil filler cap/dipstick (Fig.1).
2. Wipe dipstick clean and re-seat in hole; do not re-thread. Remove dipstick again and check the oil level. The oil level should fall within the level indicator area on the dipstick. If level is low, add engine oil until the fluid level rises to the upper portion of the level indicator area on the dipstick (Fig.2). Replace and secure the oil cap/dipstick and return the generator to the stand position.

CHECKING/ADDING FUEL

1. Remove the fuel cap (Fig.3).
2. Remove and clean the fuel filter (Fig.4).
3. Fill with unleaded petrol. The fuel tank should not be filled above the top of the fuel filter (Fig.5). Replace and secure the fuel cap. Never use old, stale, or contaminated unleaded fuel, and do not use an oil/fuel mixture. Do not allow dirt or water into the fuel tank.

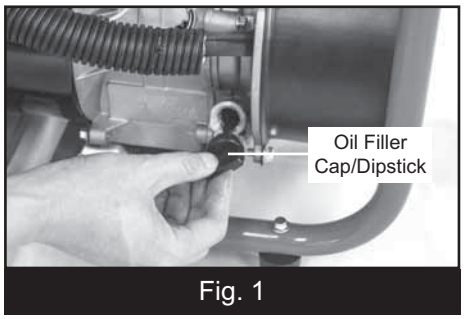


Fig. 1

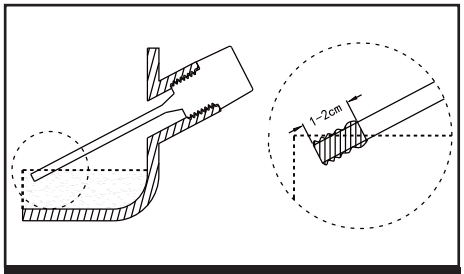


Fig. 2

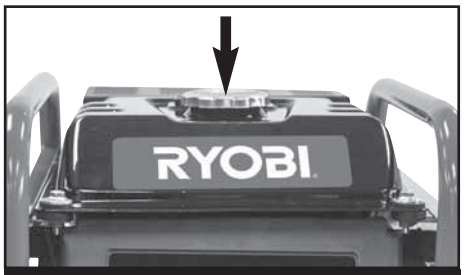


Fig. 3

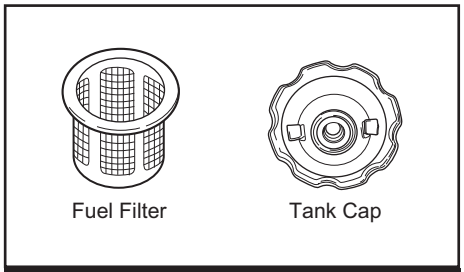


Fig. 4

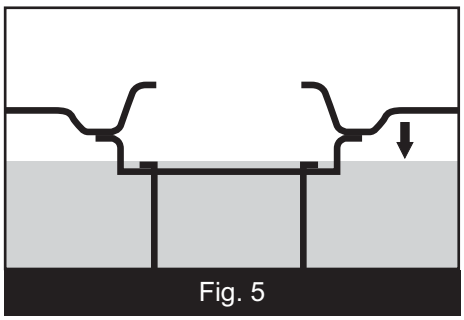
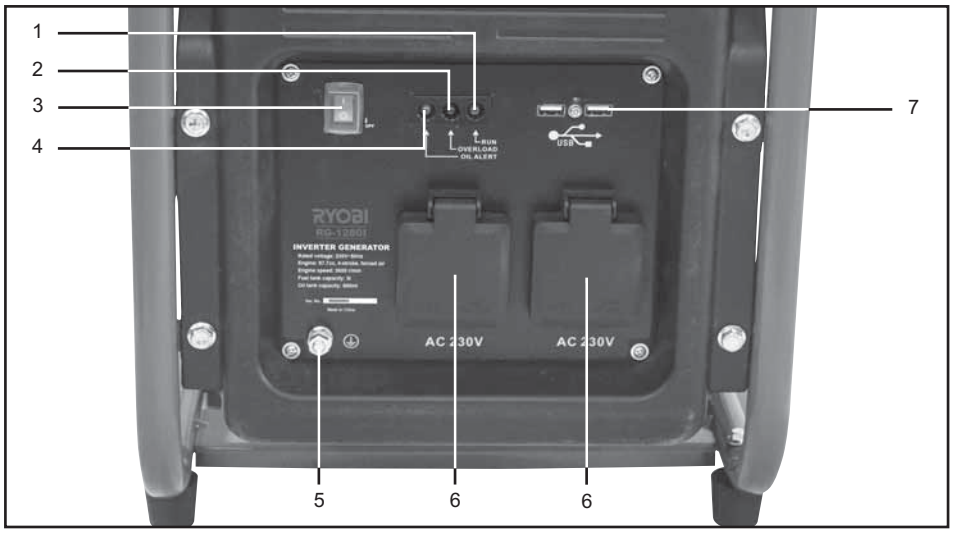


Fig. 5

UNDERSTANDING THE CONTROL PANEL



1. Power indicator light (green) It indicates that the generator is producing electrical power at the receptacles.
2. If the generator is overloaded (in excess of 1200W), or if there is a short circuit in a connected appliance, the engine overload indicator light (red) will go ON. The engine overload indicator light (red) will stay ON, and after several seconds, current to the connected appliance(s) will shut off, and the indicator light (green) will go OFF.
3. Engine switch.
4. The Oil alert system is designed to prevent engine damage caused by an insufficient amount of oil in the crankcase. Before the oil level in the crankcase can fall below a safe limit, the Oil Alert indicator light comes on and the Oil Alert system automatically will stop the engine (the engine switch will remain in the ON position). If the engine stops or the Oil Alert indicator light comes on when you pull the starter grip, check the engine oil level.
5. Ground terminal. Before using the ground terminal, consult a qualified electrician, electrical inspector or local agency having jurisdiction for local codes or ordinances that apply to the intended use of the generator.
6. AC sockets which supply rated output.
7. 2 x 5V USB socket.

LOCATION AND GROUNDING

Before using this generator it must be prepared correctly before use. Locate the generator on firm level ground away from buildings or other structures ensuring that the exhaust is not obstructed.

Your generator must be properly connected to an appropriate ground to help prevent electric shock.

WARNING. Failure to properly ground the generator can result in electric shock.

A ground terminal connected to the frame of the generator has been provided on the power panel. For remote grounding, connect of a length of heavy gauge (12 AWG minimum) copper wire between the generator ground terminal and a copper rod driven into the ground. We strongly recommend that you consult with a qualified electrician to ensure compliance with local electrical codes.

OPERATION

STARTING THE GENERATOR

CAUTION. Always check the oil level before starting the engine (see Page 8).

Before starting the engine make sure that all the electrical loads are disconnected from the generator AC outlet socket.

1. Turn fuel valve 1 & 2 to the ON position (Fig.6)
2. Turn the engine switch to the ON (I) position (Fig.7).
3. Set the choke lever to the CLOSED position (Fig.8).
4. Hold down the generator firmly with one hand on the frame. With the other hand grip the recoil starter cord handle (Fig.9) and pull and return the rope gently 3-4 times to let the engine breath in the fuel mixture from the carburetor. Pull the cord sharply. Continue this procedure until the engine starts.

CAUTION. Avoid damaging the plastic case of the crankshaft while pulling the rope. Aways return the recoil starter cord handle slowly.

5. When the engine has been successfully started and is running smoothly set the choke lever to the OPEN position (Fig.10).

WARNING. Before connecting any electrical load to the generator ensure that the load does not exceed the maximum load as stated on the rating plate. Ensure that the mains supply lead is long enough to reach the generator without any strain.

When the generator engine has been successfully started and is running smoothly connect the electrical load to the generators AC output socket.

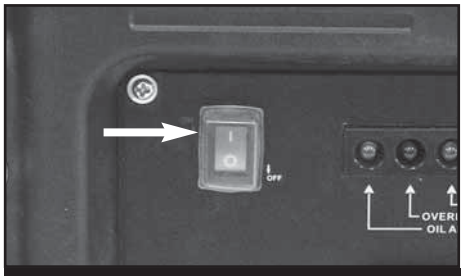


Fig. 7

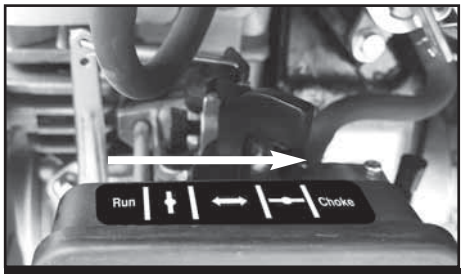


Fig. 8

Fig. 9

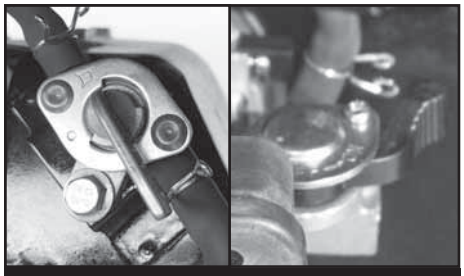


Fig. 6

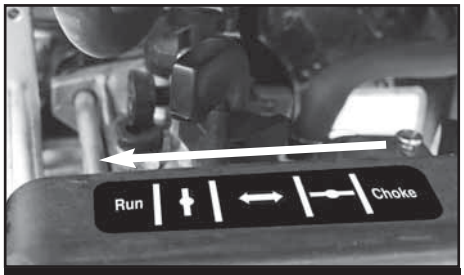


Fig. 10

OPERATION

STOPPING THE GENERATOR

WARNING. In case of emergency, the easiest way to stop the generator is to directly put engine switch to OFF position. Avoid doing so in non-emergency circumstances as it carries the risk of damaging the generator.

1. Before stopping the engine make sure that all the electrical loads are disconnected from the generator AC outlet socket.
2. Switch off the engine by putting the engine switch in the OFF position (Fig.11).
3. When the generator engine has stopped and before storage, turn fuel valve lever 1 & 2 to the OFF position (Fig.12).

NOTE. After disconnecting all loads, leave the generator running for another 1-2 minutes before shutting it down. Then switch off the engine switch and the fuel valve. Switching off the engine with loads attached may damage the unit and cause difficulty starting the generator next time it is used.

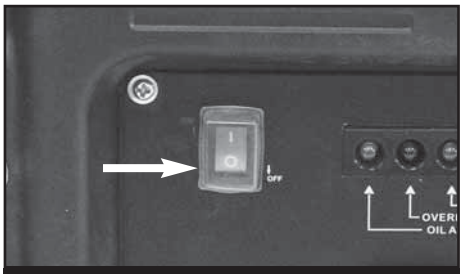


Fig. 11

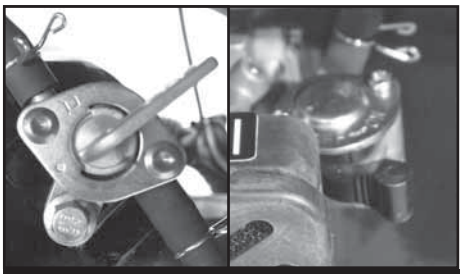


Fig. 12

MAINTENANCE

GENERAL MAINTENANCE

Keep the generator in a clean and dry environment where it is not exposed to dust, dirt, moisture, or corrosive vapours.

Do not allow the cooling air slots in the generator to become clogged with foreign material such as leaves, snow, etc.

Do not use a garden hose to clean the generator. Water entering the fuel system or other internal parts of the unit can cause problems that will decrease the life of the generator.

To clean the unit:

1. Use a soft bristle brush and/or vacuum cleaner to loosen and remove dirt and debris.
2. Clean air vents with low pressure air that does not exceed 25 psi.
3. Wipe the exterior surfaces of the generator with a damp cloth.

ENGINE OIL REPLACEMENT

Initial oil change: After the first 20 hours of operation.

Thereafter: Every 50 hours of operation.

1. Remove the oil filler cap/dipstick.
2. Place a container underneath the oil drainage plug to collect used oil as it drains.
3. Unscrew the oil drainage plug and remove.
4. Allow oil to drain completely.
5. Reinstall the oil drainage plug and tighten securely.
6. Refill with oil following the instructions in the Checking/Adding Oil section (Page 8).
7. Reinstall the oil filler cap/dipstick.

Used oil should be disposed of at an approved disposal site. See your local oil retailer for more information.

MAINTENANCE

CHECKING/CLEANING THE AIR FILTER
For proper performance and long life, keep air filters clean.

1. Using a screwdriver unscrew the air filter connection screw located in the middle of the air filter cover. Remove the cover and set aside (Fig.13).
2. Remove the filter elements (Fig.14).
3. If the filter elements are dirty, clean with warm, soapy water. Rinse and let dry.
4. Apply a light coat of engine oil to the elements, then squeeze it out.
5. Replace the elements in the air filter unit.
6. Replace the air filter cover and tighten the two air filter connection screws.

NOTE: Do not run the generator without the air filter. Rapid engine wear will result.

SPARK PLUG MAINTENANCE
The spark plug must be properly gapped and free of deposits in order to ensure proper engine operation. To check:

1. Remove the spark plug cap (Fig.15 & 16).
2. Clean any dirt from around base of spark plug.
3. Remove spark plug using wrench provided.
4. Inspect spark plug for damage, and clean with a wire brush before reinstalling. If insulator is cracked or chipped, spark plug should be replaced. Make sure electrode gap is 0.60mm-0.80mm.

NOTE: If replacing, use the following recommended spark plug: E5RTC.

5. Screw spark plug back by hand, avoid damaging threads of the cylinder.
6. Put the spark plug back in position and use the spark plug wrench to tighten it. If spark plug is new, use 1/2 turn to compress washer appropriate amount. If reusing old spark plug, use 1/8 to 1/4 turn for proper washer compression.
7. Replace spark plug cap.


Fig. 13

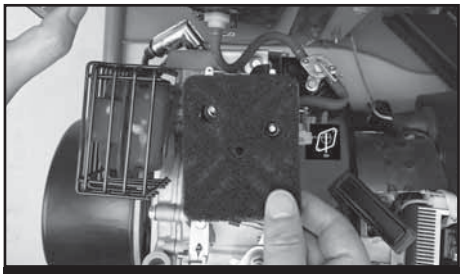


Fig. 14


Fig. 15

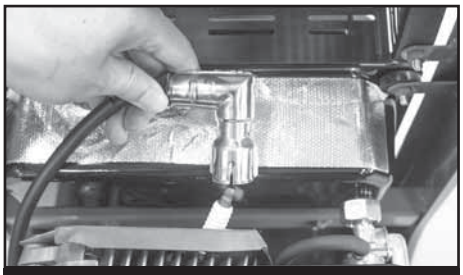


Fig. 16

MAINTENANCE

CLEANING THE EXHAUST PORT & MUFFLER
Depending on the type of fuel used, the type and amount of oil used, and/or your operating conditions, the exhaust port and muffler may become blocked with carbon deposits. If you notice a power loss with your petrol-powered tool, you may need to remove these deposits to restore performance. We highly recommend that only qualified service technicians perform this service.

CLEANING THE FUEL TANK FILTER
1. Remove fuel cap and filter (Fig.4).
2. Clean the filter, replace if broken.
3. Dry the filter and install back on the generator.

DRAINING THE FUEL TANK
1. Turn the engine switch OFF (O).
2. Close fuel valve.
3. Remove the fuel line from the barb by using pliers to loosen the tubing clamp and sliding the fuel line off.
4. Install one end of a drain line over the barb, and place the other end in a fuel container large enough to catch the fuel being drained from the tank.
5. Open fuel valve.
6. When the fuel has drained from the tank, close the fuel valve and reinstall fuel line on barb.

If the generator is not to be used or is to be stored for more than one month the following storage procedure should be carried out. Drain all the fuel from the fuel tank and the carburettor, ensure that all the fuel has been removed. Remove the spark plug and pour approximately one tablespoon full of clean engine oil into the spark plug hole. With the ignition turned OFF gently pull on the recoil starter cord several times. Re-fit the spark plug and continue to pull the recoil starter cord until the piston is on the compression stroke (when resistance is felt) then stop puling.

Store the generator in a dry well ventilated place under a cover to prevent any dust or debris from accumulating on the generator.

DRAINING THE CARBURETOR
1. Turn off fuel valve, make sure fuel is drained and the tank is empty. Residual gasoline left over a long time will cause difficulty when next starting the engine.
2. Position an approved fuel container under the carburetor drain screw to catch fuel; loosen the screw. (Fig.17). Allow fuel to drain completely into container.
3. Retighten drain screw.
4. After draining the fuel tank and carburetor, start the engine and allow it to run until the unit runs out of fuel. Consult hazardous waste management guidelines in your area for the proper way to dispose of fuel.

When preparing the generator for storage, follow the guidelines on page 14.

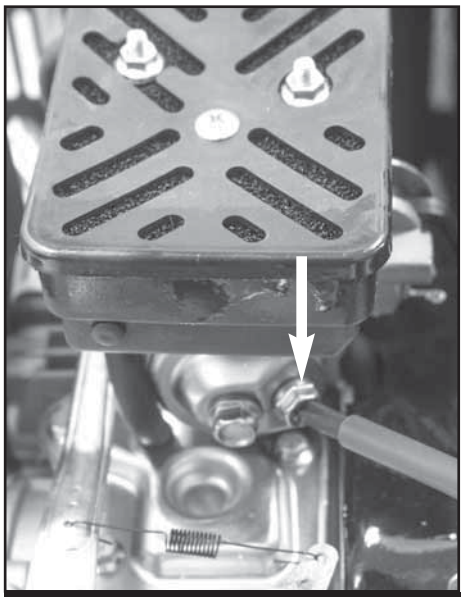


Fig. 17

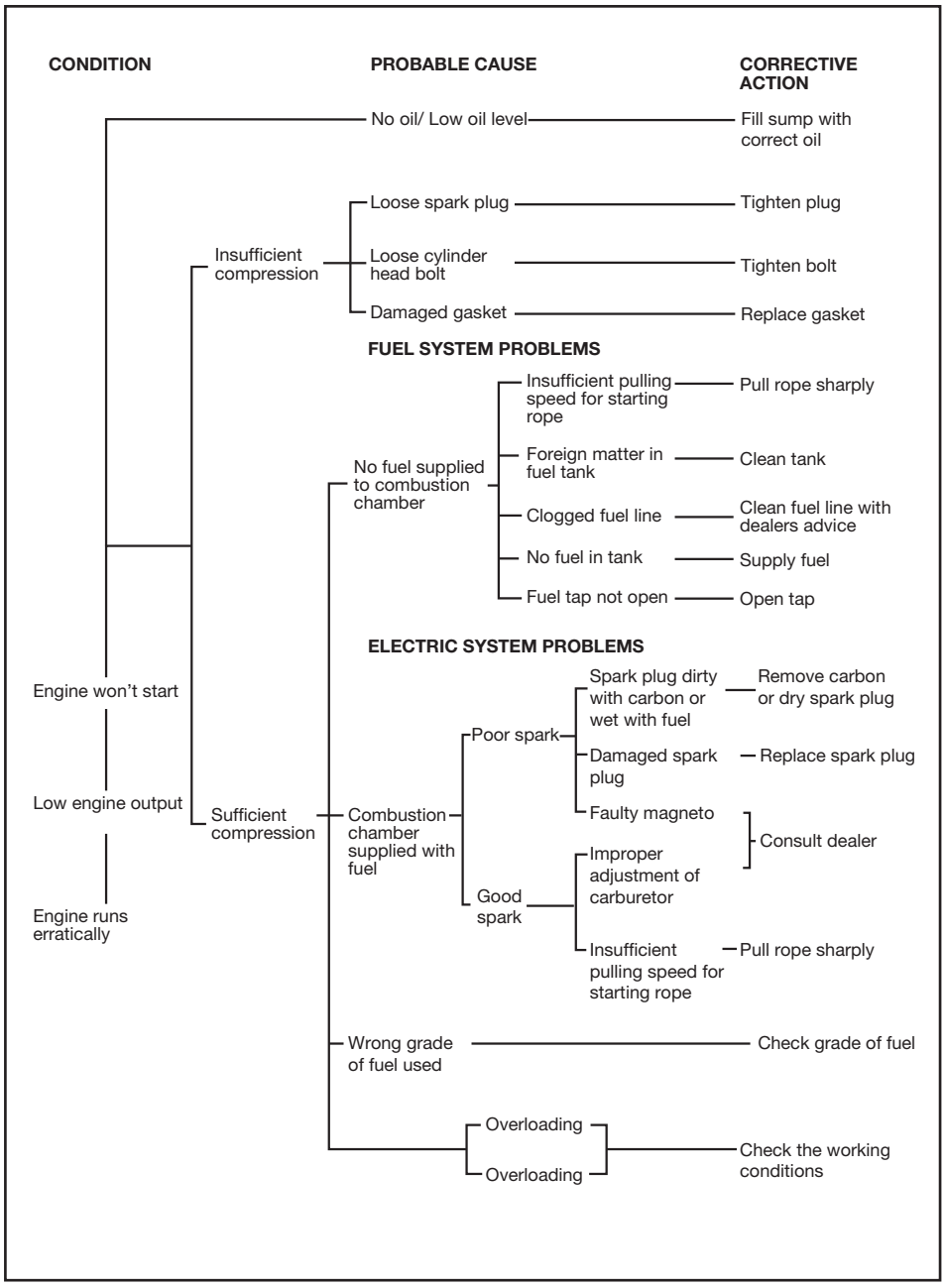
STORAGE

STORAGE TIME	PRIOR TO STORING
Less than 1 month	■ No special preparation is required.
1 to 2 months	■ Empty fuel from fuel tank.
2 months to 1 year	■ Empty fuel from fuel tank. ■ Drain fuel from carburetor. ■ Clean fuel sediment cup.
1 year or more	■ Empty fuel from fuel tank. ■ Drain fuel from the carburetor. ■ Clean fuel sediment cup. ■ Remove spark plug. ■ Put a tablespoon of engine oil into the cylinder through the spark plug hole. Turn the engine slowly with the pull rope to distribute the oil. ■ Reinstall spark plug. ■ Change engine oil.
*Use unleaded fuel stabilisers formulated to extend storage life. For recommendations, contact your nearest authorised service center.	

MAINTENANCE CHART

Item	Remark	Pre-operation check (daily)	Initial 1 month or 20hours	Every 3 month or 50 hours	Every 6 month or 100 hours	Every 12 month or 300 hours
Spark plug	Check condition Adjust gap and clean Replace if required			●		
Engine oil	Check oil level	●				
	Replace		●		●	
Air filter	Clean. replace if required			●		
Fuel Filter	Clean fuel cock filter Replace if required				●	
Valve clearance	Check and adjust when engine is cold					●
Fuel line	Check fuel hose for cracks or damage. Replace if required	●				
Exhaust system	Check for leakage. Tighten or replace gasket if required.	●				
	Check exhaust screen. Clean and replace if required.				●	
Carburetor	Check choke operation	●				
Cooling system	Check fan damage					●
Starting system	Check recoil starter operation	●				
Decarbon-isation	More frequently if necessary					●
Fittings/ Fastenings	Check all fittings and fixtures and tighten if required				●	

FAULT CHART


CONDITION
PROBABLE CAUSE
CORRECTIVE ACTION
No oil/ Low oil level
Fill sump with correct oil
Loose spark plug
Tighten plug
Insufficient compression
Loose cylinder head bolt
Tighten bolt
Damaged gasket
Replace gasket
FUEL SYSTEM PROBLEMS
Insufficient pulling speed for starting rope
Pull rope sharply
No fuel supplied to combustion chamber
Foreign matter in fuel tank
Clean tank
Clogged fuel line
Clean fuel line with dealers advice
No fuel in tank
Supply fuel
Fuel tap not open
Open tap
ELECTRIC SYSTEM PROBLEMS
Engine won't start
Spark plug dirty with carbon or wet with fuel
Remove carbon or dry spark plug
Poor spark
Damaged spark plug
Replace spark plug
Low engine output
Sufficient compression
Combustion chamber supplied with fuel
Faulty magneto
Consult dealer
Improper adjustment of carburetor
Good spark
Engine runs erratically
Insufficient pulling speed for starting rope
Pull rope sharply
Wrong grade of fuel used
Check grade of fuel
Overloading
Overloading
Check the working conditions

FAULT CHART

CONDITION	PROBABLE CAUSE	CORRECTIVE ACTION
Indicator light ON. No AC output	Tripped circuit breaker	Reset
	Poor connection or faulty lead	Check and repair
	Broken recepticle	Check and repair
	Faulty circuit breaker	Check and repair
Indicator light OFF. No AC output	Generator problem	Check and repair
Output power too high or low	Engine RPM set too high or low	No load speed set to 3000rpm
	Loose component	Locate and tighten
	Internal generator problem	Consult dealer

SYMBOLS

Some of the following symbols may be used on this tool. Please study them and learn their meaning.
Proper interpretation of these symbols will allow you to operate the tool better and safer.

SYMBOLS	DESIGNATION/EXPLANATION
	Do not expose to rain or use in damp locations.
	To reduce the risk of injury, the user must read and understand the operator's manual before using this product.
	Always wear safety goggles or safety glasses with side shields and, as necessary, a full face shield when operating this product.
	Precautions that involve your safety.
	Failure to use in dry conditions and to observe safe practices can result in electric shock.
	Running the generator gives off carbon monoxide, an odourless, colourless, poison gas. Breathing carbon monoxide can cause nausea, fainting, or death.
	Fuel and its vapours are extremely flammable and explosive. Fire or explosion can cause severe burns or death.
	To reduce the risk of injury or damage, avoid contact with any hot surface.
	To reduce the risk of serious injury, avoid attempting to lift the generator alone.
	Consult with local electrician to determine grounding requirements before operation.
	Add oil.
	Guaranteed sound pressure level and sound power level.
	Beware of electric shock level.
	Fuel and its vapors are explosive and can cause severe burns or death.
	Oil level should fall within the level indicator area on the dipstick.
	Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.
CE	Conforms to relevant safety standards.

SYMBOLS

SYMBOL	SIGNAL	MEANING
	**DANGER:**	Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.
	**WARNING**	Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.
	**CAUTION**	Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury.
	CAUTION	(Without Safety Alert Symbol) Indicates a situation that may result in property damage.

SERVICE

Now that you have purchased your tool, should a need ever exist of repair or service, simply contact your nearest Ryobi Authorised Service Centre or other qualified service organistion. Be sure to provide all pertinent facts when you call or visit.

NOTES