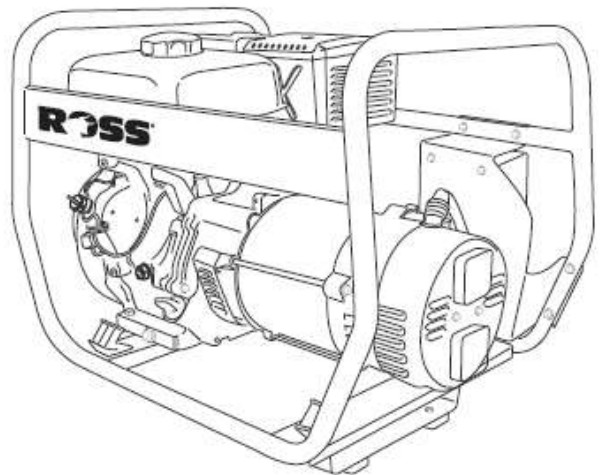
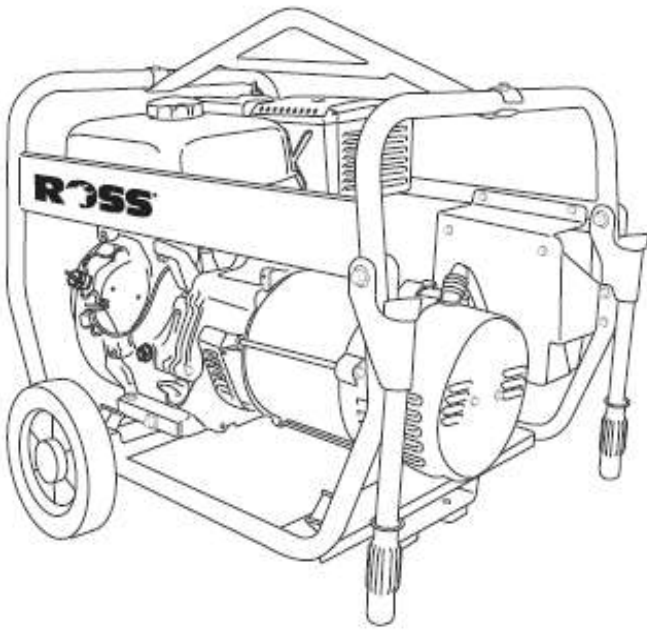




**RPG3000RCD  
RPG8000RCD  
GENERATOR**



Protect yourself and others by observing all safety information, warnings, and cautions. Failure to comply with instructions could result in personal injury and/or damage to product or property.

**Please retain instructions for future reference!**



# **SPECIFICATIONS**

## **MODEL**

**RPG8000RCD**

**RPG3000RCD**

## **MOTOR**

Type	Air Cooled 4 stroke	Air Cooled 4 stroke
Maximum output	15.0Hp	6.5Hp
Displacement	420cc	196cc
Fuel Capacity	5.5L	3.5L
Start	Recoil	REcoil
Fuel	Unleaded Petrol (Do not use E10)	Unleaded Petrol (Do not use E10)

## **AC OUTPUT**

Outlets	2 x 15 Amp IP66	2 (With protective cover)
Phase	1	1
Voltage	240V AC	240V AC
Frequency	50HZ	50HZ
KVA	8.125	3.125
Maximum output	7000W	2800W
Rated output	6500W	2500W
Alternator	Senci, Copper wound	Senci, Aluminium Wound
Regulation	AVR	AVR
Distortion (THD)	<24%	<24%
Protective Breaker	Double pole + RCD	Double pole + RCD

## **NOISE**

Noise Lwa	97 db	96 db
Wheel size	200 mm	NA
Weight	79Kg	39.5kg

## **SAFETY INFORMATION!**

**READ AND UNDERSTAND THIS MANUAL COMPLETELY BEFORE USING THE GENERATOR!** Failure to properly set up, operate, and maintain this generator could result in serious injury or death from carbon monoxide poisoning, electric shock, fire/explosion, or burns. In particular, be aware of the following hazards:

### **CO POISONING (CARBON MONOXIDE)**

Generators give off carbon monoxide, a poisonous gas that can kill you. You CANNOT smell it, see it, or taste it. ONLY run generator OUTDOORS and AWAY from building air intakes. NEVER run generator inside any enclosed or semi-enclosed spaces. These spaces can trap poisonous gases, EVEN if you run a fan or open windows.

### **ELECTRIC SHOCK / ELECTROCUTION**

- **HIGH VOLTAGE ELECTRICITY FROM GENERATOR CAN KILL.** DO NOT operate in wet locations. use only Australian approved outdoor rated grounded extension cords of proper size.
- **NEVER PLUG THE GENERATOR DIRECTLY INTO A WALL OUTLET.** ANY connection to a building's electrical system MUST ISOLATE THE GENERATOR FROM MAINS.

### **POWER FIRE / EXPLOSION**

- **DO NOT OVERLOAD GENERATOR (PER RATED CAPACITY), AND OPERATE ONLY IN AN AREA WITH ADEQUATE COOLING VENTILATION SO ENGINE DOES NOT OVERHEAT.** Exhaust can be extremely hot. Keep muffler at least 2.5 Metres from all combustible objects.
- **ALL FUELS ARE FLAMMABLE.** Never fuel a running or hot engine. Never pump fuel directly into generator at gas station – use approved container to transfer fuel. Ensure there are no fuel leaks, and keep sources of sparks and flames away.
- **ALWAYS KEEP A CORRECTLY RATED FIRE EXTINGUISHER NEARBY.**

### **BEFORE STARTING THE GENERATOR, REVIEW THE FOLLOWING GENERAL SAFETY RULES FOR OPERATION:**

**WARNING!** Failure to follow safety rules may result in serious injury or death to the operator or bystanders.

- **KNOW PROPER USE/HOW TO STOP.** Be thoroughly familiar with proper use of the equipment and all generator controls, output receptacles, and connections. Know how to stop the generator quickly if needed.
- **INSTRUCT OPERATORS.** The generator owner must instruct all operators in safe generator set-up and operation. Only trained adults should set up and operate the generator – Do not let children operate.
- **INTENDED USE.** Carefully read about and understand the intended use of this generator. Do not use for other purposes, as unforeseen hazards or equipment damage may result.
- **UNDER THE INFLUENCE.** Never operate, or let anyone else operate, the generator while under the influence of alcohol, drugs, or medication.
- **SAFETY EQUIPMENT / CONTROLS.** Do not operate the generator unless all safety covers, guards, and barriers are in place and in good working order, and all controls are properly adjusted for safe operation.
- **DAMAGED.** Do not operate the generator with damaged, missing, or broken parts.
- **MODIFICATIONS.** Do not modify the generator in any way. Modifications can create serious safety hazards and will also void the warranty.

- **ENGINE SPEED.** Never attempt to modify the engine speed setting. The engine speed is preset at 3000 RPM for safe and optimal performance of the generator. If speed needs adjusting, it must be done by authorized service centre.
- **EXTERNAL FUEL SOURCES.** Never attempt to connect external gasoline/diesel sources in order to increase engine run time. Larger tank at pressure or higher elevation will cause gasoline to leak from carburettor during operation. Fire or explosion could result.

## GENERATOR SAFETY INSTRUCTIONS



**WARNING!** Do not smoke whilst refuelling

Fuel your generator in well-ventilated areas, outdoors only. Always shut off the engine and allow it to cool before refuelling. Release fuel tank pressure by loosening the fuel filler cap slowly.



**WARNING!** Select bare ground for fuelling and move at least

3 m (10 feet) 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.



**WARNING!** The ignition system of the motor produces an electromagnetic field of a

very low intensity. This field may interfere with some pacemakers. To reduce the risk of serious or fatal injury, people with a pacemaker fitted should consult their physician and the pacemaker manufacturer before operating this generator.



**WARNING!** Petrol or diesel powered generators must never be used in an unventilated closed spaces.

- The exhaust fumes are highly dangerous and can cause "Carbon Monoxide Poisoning" which will cause drowsiness and death.
- The generator must be mounted on a firm level surface.
- 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 void the warranty.
- 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 . Tents etc.
- To prevent fire, always stop the engine when refuelling and never over fill the fuel tank. Always clean up spilt fuel immediately using sand.



**WARNING!** 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 leakage.
- 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.
- The engine speed has been factory set to provide safe operation. Tampering with the engine speed adjustment could result in overheating of attachments and could cause a fire. Never attempt to “speed-up” the engine to obtain more performance. Both the output voltage and frequency will be thrown out of standard by this practice, endangering attachments and the user.
- Store the generator in a well-ventilated area with the fuel tank empty.



**WARNING! THE GENERATOR MUST CORRECTLY EARTHED**

Please refer to a licenced electrician for the correct earthing procedure for you generator and situation.

Additional Information is available from state work cover authorities and or Australian standard AS/NZS 3012



**OIL ALERT SYSTEM (OIL WARNING)**

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 system will automatically shut down the engine (the engine switch will remain in the ON position).

**RESIDUAL CURRENT DEVICE (RCD)**

This generator is filled with a RCD to provide an additional layer of protection. The RCD should be tested regularly. For on site work it is recommended to be tested daily

**WARNING!** Do not use the generator if the RCD is faulty

**TO TEST THE RCD**

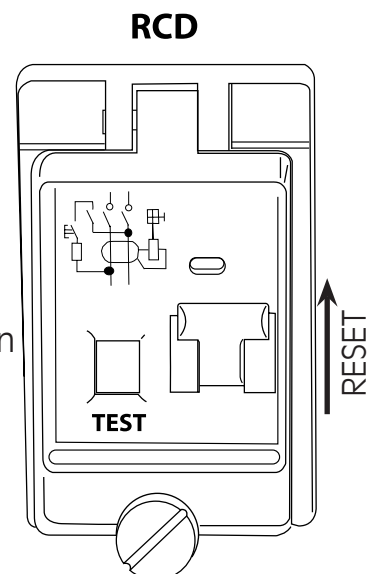
- Disconnect any appliance or tools from the outlets sockets.
- Start the engine and allow the generator to stabilise.
- Press the the TEST button on the front of the RCD.

The RCD should trip!

If the RCD does NOT trip it should be immediately replaced by an authorised service centre or qualified electrician.

- Reset the RCD after testing or power will not be available at the outlet sockets.

**NOTE:** The RCD can only be tested when the engine is running.



## GETTING STARTED

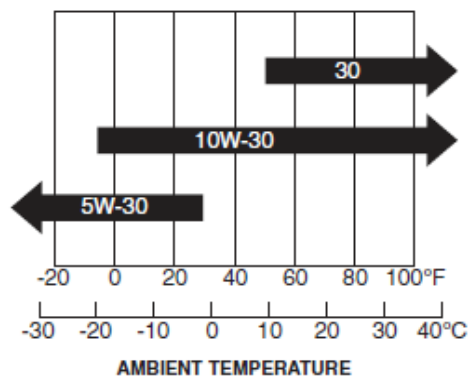
### BEFORE USING THIS GENERATOR IT MUST BE PREPARED CORRECTLY BEFORE USE.

- Locate the generator on firm level ground away from buildings or other structures ensuring that the exhaust is not obstructed.

**CAUTION! THE GENERATOR IS SUPPLIED WITH NO OIL IN THE MOTOR.** Oil Must be added to the motor before first use.

### ENGINE OIL RECOMMENDATIONS

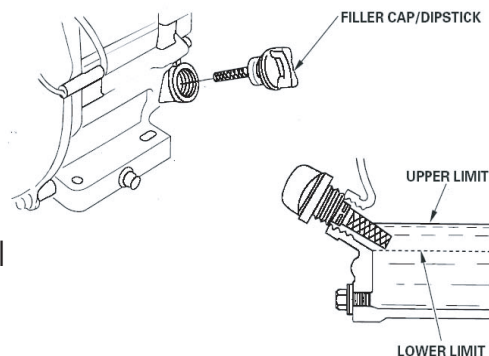
- SAE 10W-30 standard motor oil is recommended for normal operating conditions and temperatures.



### CHECKING THE OIL

- Have your generator on a flat, level surface.
- Remove the oil/filter cap and wipe the dipstick clean with a clean cloth.
- Check the oil level by inserting the dipstick in the filter neck without screwing it in, then remove it.
- If the level is below the lower level line, add the oil until the level reaches the upper mark on the dipstick.

**NOTE:** If the engine does not start check the oil level. The engine is fitted with an oil sensor that will prevent the engine from starting if the oil level is low.

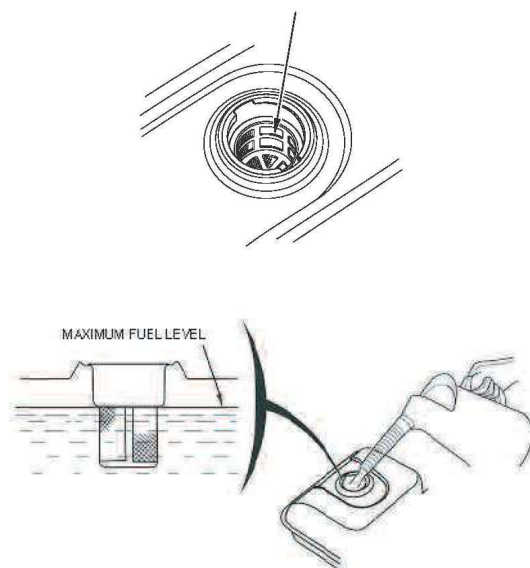


### ADDING FUEL

**CAUTION! USE FRESH UNLEADED FUEL (PETROL) ONLY** E10 or Ethanol blends can cause rusting of the fuel tank.

- Have your generator on a flat, level surface.
- Check fuel tank gauge. Add fuel if the level is low.
- Remove the fuel cap and filter. Clean filter and replace.
- Fill the tank to the level of the shoulder on the fuel strainer.
- **DO NOT OVERFILL!!**
- After refuelling, replace the fuel tank cap tightly.

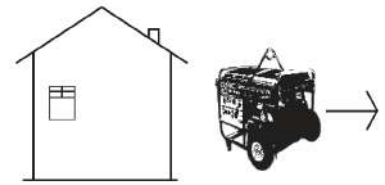
**WARNING! THE FUEL CAP HAS A VENT.** Overfilling the fuel tank will result in fuel leaking from the cap when the engine is started.



# STARTING

## SELECT A SAFE AND SUITABLE LOCATION

The generator should only be operated outdoors on a firm, level surface in a well-ventilated area. At least 2.5 Metres of clearance should be maintained in relation to any structures or objects, and this includes space above the generator. The generator could ignite nearby materials.



**Only use OUTSIDE and far away from windows, doors and vents.**

## WARNING!

- DO NOT operate the generator in wet weather or in wet conditions.
- DO NOT place or store any items on the generator.
- Keep children and pets away from the generator.

## GROUNDING

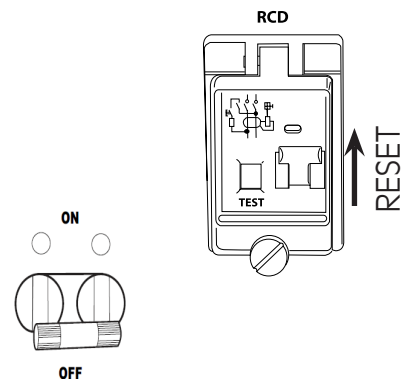
The faceplate of your generator is marked with the following grounding symbol, which is located next to the grounding terminal.

Please refer to a licenced electrician for the correct earthing procedure for your generator and situation.

Additional Information is available from state work cover authorities and or Australian standard AS/NZS 3012

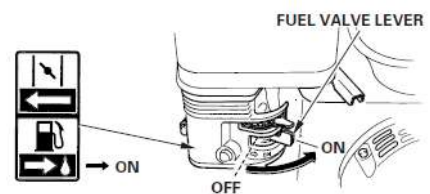


- Make sure the RCD is RESET

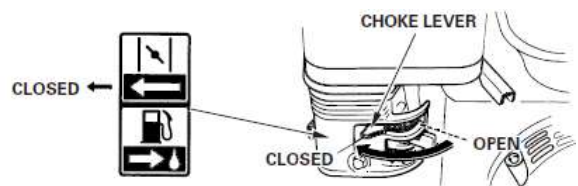


- Make sure the Main AC circuit breaker is in the OFF position.

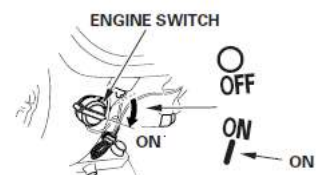
- Turn the fuel valve lever to the ON position.



- Set choke lever to the CLOSED position.

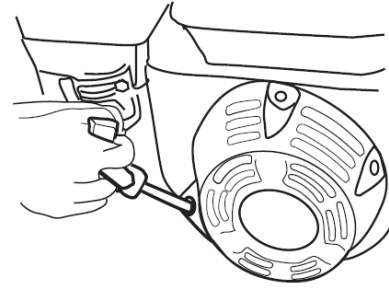


- Turn the engine switch to the ON position.





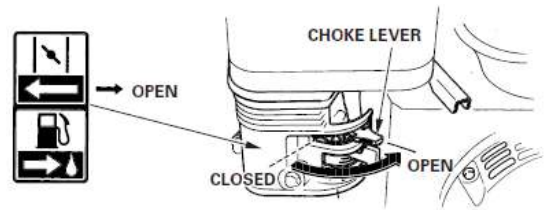
- Pull the starter grip lightly until resistance is felt, then pull rapidly. Repeat until the engine starts.



**NOTE:** If the engine does not start check the oil level. The engine is fitted with an oil sensor that will prevent the engine from starting if the oil level is low.

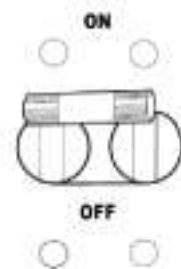
- Push the choke lever to the OPEN position as engine warms up.

The choke is used to provide the proper mixture when the engine is cold. It can be opened and closed by operating the choke lever manually. Move the lever to the closed position to enrich the mixture for cold starting.



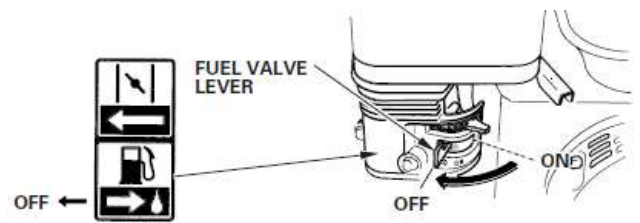
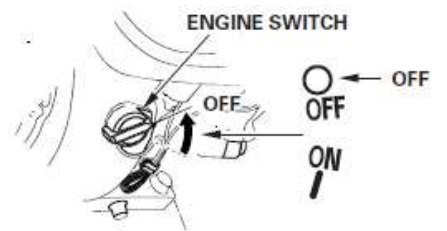
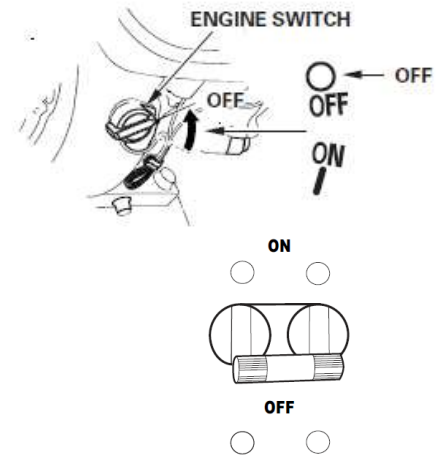
- Once the generator's engine is running, allow several minutes for the motor to warm up and stabilize before connecting any load.

- Set the main AC circuit breaker in the ON position. Power will now be available at the output sockets.



## **STOPPING THE GENERATOR**

- **IN AN EMERGENCY, TURN THE ENGINE SWITCH TO THE OFF POSITION.**
- In normal use Turn off any connected appliances and unplug any power tools.
- Turn the Main AC circuit breaker to the OFF position.
- Turn the engine switch to the OFF position.
- Turn fuel valve lever to the CLOSED position.



## **CONNECTING LOAD TO THE GENERATOR**

When the engine has been successfully started, warm and running smoothly a load can be connected to the AC output sockets.

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

The generator will withstand short operation and spikes up to the maximum rating. Exceeding the rated capacity will stall the generator.

**NOTE.** Motorised products will require more energy upon start up (some times up to 3 times their rated input). These products will not start if the starting current is excessive.

It should also be very clearly understood that some output voltage fluctuations will occur when various loads are connected and disconnected.

**IT IS NOT RECOMMENDED TO CONNECT ANY ELECTRONIC EQUIPMENT TO THE GENERATOR** without a voltage or surge protector. Computers, televisions, and stereo equipment can be very sensitive to the input supply and could be damaged if protective equipment is not used in conjunction with this generator. This also includes caravans where electronic equipment is incorporated as part of the wiring.

## **MAINTENANCE**

Proper maintenance is the responsibility of the owner.

Your generator requires periodic maintenance and adjustments to keep the generator in good operating condition. Refer to the Maintenance Schedule chart for specific maintenance intervals.

Keep in mind that this maintenance schedule is for normal working conditions and may require more maintenance in harsh conditions.

### **GENERAL INSPECTION & MAINTENANCE RULES**

- Make sure that all labels are present and legible.
- Check that all protective guards
- Verify the proper level of the engine oil.
- Inspect the fuel line for defects.
- Inspect the fuel tank cap. Make sure it is undamaged and secured tightly. Make sure there are no spills.
- Check that the exhaust system is in good condition and not blocked.
- Make sure that all control panel switches are in good condition.
- Make sure that all outlet sockets are in good condition.
- Make sure all bolts and nuts are tight.
- Make sure that nothing is stored on the generator.
- Additionally, all cords and devices should be in good condition.

### **MAINTENANCE SCHEDULE**

ITEM	Maintenance	SERVICE FREQUENCY				
		Daily OR Each Use	First Month OR 20 Hours of Use	Every 3 Months OR 50 Hours of Use	Every 6 Months OR 100 Hours of Use	Every Year OR 200 Hours of Use
<b>General Inspection</b>	See Maintenance Rules	X	X			
<b>Engine Oil</b>	Check Oil Level	X				
	Change Oil		X		X	
<b>Air Filter</b>	Check	X				
	Clean			X*		
<b>Fuel Sediment Cup</b>	Clean			X*	X	
<b>Spark Plugs</b>	Clean/Replace				X	
<b>Spark Arrestor</b>	Clean				X	
<b>Valve Clearance</b>	Clean/Adjust					X**
<b>Fuel Tank &amp; Strainer</b>	Clean					X**
<b>Fuel Line</b>	Check/Replace	Check Every 2 Years; Replace if necessary**				

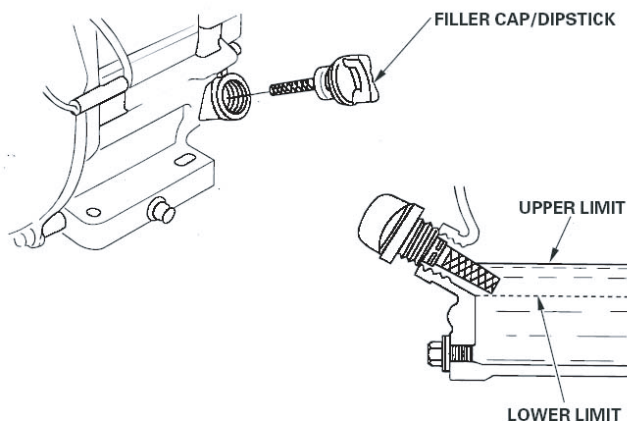
\*Clean more frequently when used in dusty areas.

\*\*This maintenance should be performed by an authorized service dealer.

## ENGINE OIL

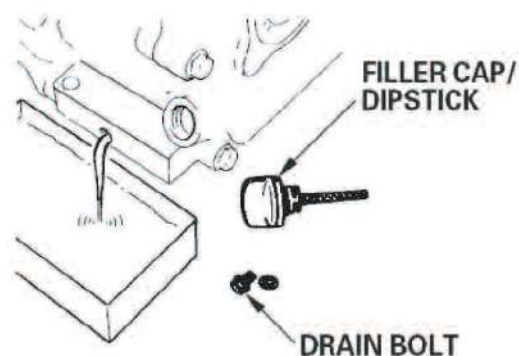
### CHECKING OIL LEVEL

1. Have your generator on a flat, level surface. Stop generator from running. Allow to completely cool.
2. Remove the oil filter cap and wipe the dipstick clean with a clean cloth.
3. Check the oil level by inserting the dipstick in the filter neck without screwing it in, then remove it. If the level is below the lower level line, add the recommended oil until the level reaches the upper mark on the dipstick.



### CHANGING ENGINE OIL

1. Have your generator on a flat, level surface.
2. Drain the oil while the engine is warm to assure rapid and complete draining.
3. Place an oil pan or other suitable container for the oil underneath the generator oil drain plug.
4. Remove the drain plug and filter cap and drain oil into the oil pan or other suitable container.
5. Using a clean cloth, wipe off any dirt from the drain plug and filter cap, then retighten the drain plug.
6. Refill with the recommended oil and check the oil level.



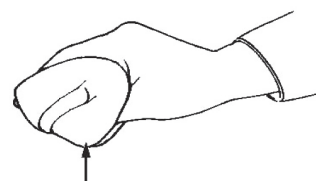
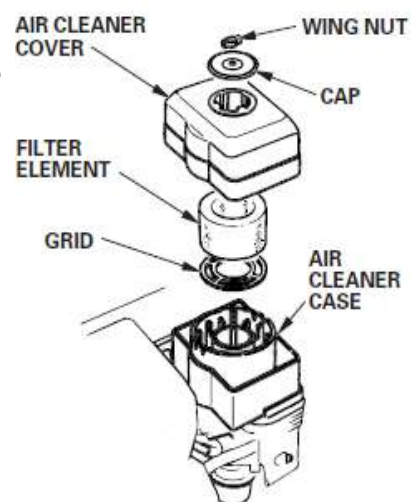
UPPER LEVEL



### AIR FILTER

A dirty air filter will restrict airflow to the carburettor. To prevent poor engine performance or damage due to a carburettor malfunction, service the air filter regularly. Refer to the Maintenance Schedule for regular service intervals.

1. Turn the generator OFF.
2. Remove the air filter cover by removing the wing nut on the cover.
3. Remove the air filter.
4. Wash the foam air filter using household soap and warm water.
5. Rinse thoroughly and dry completely.
6. Soak the air filter in clean engine oil and squeeze out the excess oil.
7. Reinstall the air filter and replace the air filter cover and clips.



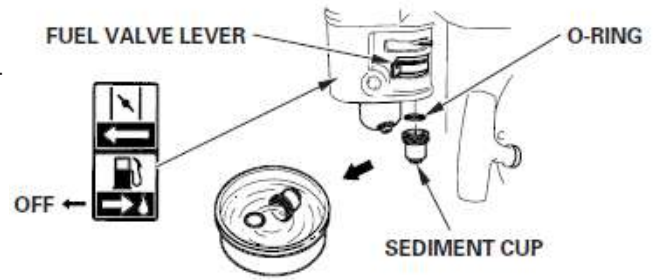
**NOTE:** The engine will smoke during start-up if too much oil is left in the air filter. Squeeze out all excess oil from filter.

## SEDIMENT CUP CLEANING

The sediment cup prevents dirt and water that may be in the fuel tank from entering the carburettor.

Refer to the Maintenance Schedule for regular service intervals.

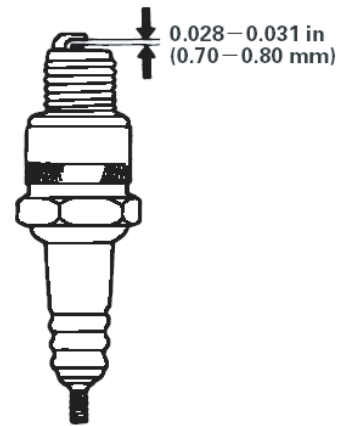
1. Turn the generator off.
2. Have your generator on a flat, level surface.
3. Turn the fuel valve lever to the CLOSED position.
4. Remove the sediment cup.
5. Clean the cup and screen thoroughly with soap and water.
6. Use a clean cloth and wipe all pieces dry.
7. Reinstall the sediment cup, making sure the o-ring is in place.
8. Turn the fuel valve lever to the open position.
9. Check for fuel leaks.



## SPARK PLUG SERVICE

To ensure proper engine operation, spark plug must be properly gapped and free of deposits. refer to the Maintenance Schedule for regular service intervals.

1. Turn the generator off.
2. Have your generator on a flat, level surface.
3. Remove the spark plug cap. Clean any dirt or debris from around the spark plug base.
4. Use a 13/16" spark plug socket wrench to loosen and remove the spark plug.
5. Inspect the spark plug. if the insulator is cracked or chipped, discard plug and replace with a new spark plug. if the spark plug is in good condition, clean the spark plug with a wire brush.
6. Measure the plug gap with a feeler gauge. the correct gap should be 0.028 – 0.031 in. (0.70 – 0.80 mm). if the gap is incorrect, be careful when bending the side electrode.
7. Make sure the spark plug washer is in good condition.
8. Reinstall the spark plug by hand. This will prevent cross threading.
9. After the spark plug is seated, tighten with spark plug wrench to compress the washer.
  - When reinstalling a used spark plug, tighten 1/8 - 1/4 turn after the spark plug seats in order to compress the washer.
  - When installing a new spark plug, tighten 1/2 turn after the spark plug seats in order to compress the washer.



# **TROUBLE SHOOTING**

<b>PROBLEM</b>	<b>POSSIBLE CAUSE</b>	<b>POSSIBLE SOLUTION</b>
Engine does not start	No fuel Low oil level Engine switch is not ON Fuel valve is not open Spark plug cable is loose or detached Spark plug is defective Load is attached Uneven surface	Add fuel Add oil Turn engine switch ON Open fuel valve Connect spark plug cable tightly Replace spark plug Remove load Place generator on a level surface
Unrestrained/rapid engine speed	Defective governor	Contact authorized service center
Generator lacks sufficient power	Generator is overloaded Poor ventilation Clogged/dirty air filter	Remove overload Operate generator in a well-ventilated area Clean or replace air filter
Generator is overheating	Generator is overloaded Poor ventilation	Remove overload Operate generator in a well-ventilated area
No AC output	Tripped circuit breaker Cord is not properly connected Wiring is loose Faulty device	Disconnect load and reset breaker Connect cord properly Tighten connections Replace device
No DC output	Tripped circuit breaker	Disconnect load and reset breaker
Exhaust is black	Choke position closed Dirty air filter Incorrect fuel	Open choke Clean or replace filter Use correct fuel
Circuit breaker trips repeatedly	Generator is overloaded Faulty cord or device	Remove overload Replace cord or device
Engine stops	Out of fuel Low oil Uneven surface Poor ventilation	Add fuel Add oil Place generator on a level surface Operate generator in a well-ventilated area

## **STORAGE**

Before storing the generator for an extended period of time:

1. Be sure the storage area is free of excessive humidity and dust.
2. Turn fuel valve lever to the CLOSED position.
3. Remove the sediment cup.
4. Turn the fuel valve lever to the OPEN position.
5. Drain fuel into a suitable container.
6. Replace the sediment cup and tighten securely.
7. Drain the carburettor by loosening the drain screw. Drain fuel into a suitable container.
8. Remove the spark plug cap and pour a tablespoon of clean engine oil into the cylinder. (A tablespoon, approximately 15 mL.) Put a clean cloth over the spark plug hole. Crank the engine several revolutions to distribute the oil. Reinstall the spark plug.
9. Slowly pull the starter grip until resistance is felt. At this point, the piston is coming up on its compression stroke and both the intake and exhaust valves are closed. Storing the engine in this position will help to protect it from internal corrosion.

## **WARRANTY**

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

The warranty on this generator is:

24 Month or 300 engine run hours for domestic use or;

12 Months or 300 engine run hours for commercial applications.

Please retain your receipt as proof of purchase.

### **THIS WARRANTY WILL NOT APPLY:**

(i) where this product has been subjected to misuse, abuse, accident or want of care;

(ii) where this product has been used for a purpose for which it was not designed or is not suited;

(iii) where the service of this product has been undertaken by a non-authorized person or company or if non-approved parts have been used;

(iv) where this product has been used for industrial purposes.

Should service become necessary during the warranty period, the purchaser should contact an Authorised Service Centre or J W Ross. In order to obtain warranty service, the purchaser must present the store receipt showing the name of the retailer and the date of purchase. The period of the warranty begins from the original date of purchase, notwithstanding any subsequent repair or parts replacement.

Purchaser shall be responsible for all transport charges to and from the Authorised Service Centre. Damage in transit is not covered by this warranty. The purchaser should remove from the product any liquids (if applicable) before sending the product for service or repair. The product should be packed securely to prevent damage.

### **WARRANTY EXCLUSIONS**

Wear parts or service related parts required when performing normal and regular maintenance of this product are not covered by warranty unless it is found to be defective by an Authorised Service Centre. These include, but are not limited to:

Starter ropes, Spark Plugs, Carburettor Adjustments, Lubricants, Engine Tune-ups, Filters.

Distributed in Australia by J W Ross and Sons ( Australia ) Pty Ltd.

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The J.W. Ross policy is one of continuous improvement and the company reserves the right to alter designs, colours and specifications without notice.

For information on all ROSS products

please visit: [www.rosstools.com.au](http://www.rosstools.com.au)

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