



Generator Operator's Manual



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ABOUT YOUR GENERATOR

Thank you for purchasing a MAXWATT generator (hereinafter referred to as “the generator”).

This generator is suitable for use on various trade worksites, recreational uses such as camping and for use as backup power whether residential or commercial.

With built-in Pure Sine Wave technology (THD<5%), its perfect for powering tools, domestic appliances as well as sensitive electronics.

Please read and understand this manual for instructions on start-up, shut down, operations, adjustments, maintenance as well as safety guidelines before using this product. Please take all possible precautions to protect your own safety and that of the people in the immediate vicinity. This manual is the latest version. Save this manual for future reference.

As this product is continuously improved and upgraded, the manufacturer reserves the right to modify this manual without notice.

The manufacturer shall not assume any liability for incorrect information contained in this manual.

This manual is an essential and important tool for the use of the generator. When the generator is transferred to new owners, the manual must be given to the new owners as well.





Some important information in this manual will be indicated in the following way. The owner/ user must pay special attention to these instructions.

MAXWATT is constantly improving its products. All information supplied in this manual is based on the latest product information available at the time of printing. The specifications outlined herein are subject to change without notice or obligation. The purchaser and/or user shall assume liability for any modification and/or alterations of this equipment from original design or manufacture.

SPECIFICATIONS

Model	MX3200i
Displacement	230cc
Type	4-Stroke OHV
Running watts	3000
Starting watts	3300
AC Load	240V
Phase	Single
Frequency	50 Hz
Fuel Capacity	3.96 gal. (15 L)
Net Weight	96.6 lb. (43.9 kg)

HAZARD SIGNAL WORD DEFINITIONS

	Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury. Obey all safety messages that follow this symbol to avoid possible injury or death.
 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	Used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.

For any queries on the above, please contact Gentech Industries, the official service agent for all MAXWATT generators and water pumps.

The range of MAXWATT generators is safe and reliable, but incorrect usage of these products may cause personal injury and damage to the machine.

In order to operate the generator safely, strictly adhere to the operator's manual and please read it through carefully and thoroughly before using the generator.

BEFORE STARTING

UNPACKING AND DELIVERY INSPECTION

You should inspect the generator immediately after you receive delivery thereof. If you have any missing parts, please contact your place of purchase. DO NOT attempt to operate the generator if there are any missing parts.

The generator is shipped without oil. You must add an adequate amount of engine oil before using it for the first time. The engine will be damaged beyond repair if it is started

without oil. For oil type, please see “Recommended Oil Type” section of this manual on page 9. Fresh regular RON 91 fuel must be used in this unit. DO NOT use Premium or Ethanol based fuels.

SAFETY SIGNS

Comply with the instructions provided by the safety signs and symbols fitted to the generator and in this manual. The generator and manual only feature the symbols relevant to the model purchased. Check that the symbols and signs affixed to the unit are always present and legible, otherwise fit replacements in the original positions.

GENERAL WARNINGS & DISCLAIMER

READ and UNDERSTAND this manual completely before using the engine. Failure to properly set up, operate and maintain this engine could result in serious injury or death from carbon monoxide poisoning, electric shock, fire/explosions or burns. In particular be aware of the following hazards:

CD Poisoning

Engines give off carbon monoxide, an odourless, colourless poisonous gas that can kill you. You CANNOT smell it, see it or

taste it. **ONLY** run an engine **OUTDOORS** and **AWAY** from building air intakes. **NEVER** run an engine inside any enclosed or semi-enclosed spaces, including homes, basements, garages, sheds, boxes, RV's, boats or pick-up truck beds. These spaces can trap poisonous gases, **EVEN** if you run a fan or open windows.

Electric Shock / Electrocutation

High voltage electricity from the generator can kill. **DO NOT** operate in wet locations or conditions. Be sure the generator is properly grounded. Use only outdoor rated grounded extension cords of proper size.

NEVER plug the generator directly into a wall plug outlet. **ANY** connection to a building's electrical system **MUST ISOLATE THE GENERATOR FROM UTILITY POWER** via a transfer switch installed by a licensed electrician. Otherwise, back-feed from the generator into the power grid could kill utility workers. See "Set up as a building back-up" on page 13 for additional information.

BEFORE performing any maintenance on the generator, disconnect the engine starting battery (if equipped) to prevent accidental start-up. Disconnect the cable from the battery post

indicated by a NEGATIVE, NEG or (-) first. Reconnect the cable last.

HEAT

Unintentional spark can result in fire or electric shock.

FIRE / EXPLOSION

DO NOT overload the engine (per rate capacity) and OPERATE ONLY in an area with adequate cooling ventilation so the engine does not overheat. The exhaust can be extremely hot. Keep the muffler at least 3 metres from all combustible objects.

All fuels are flammable. Never fuel a running or hot engine. Never pump fuel directly into the engine at a petrol station – use an approved container to transfer the fuel. Ensure that there are no fuel leaks and keep sources of sparks and flames away. Wait for the engine to be cool before fuelling. ALWAYS keep a fire extinguisher rated “ABC” nearby.

STOP!

CHOOSE THE RIGHT GENERATOR FOR YOUR NEEDS.

See the Power Load Planning and Management section to determine your power load requirements and then compare to


the generator's rate capacity.

INSPECT COMPONENTS

Closely inspect to make sure that there are not any components missing or damaged.

ARRANGE FOR PROFESSIONAL INSTALLATION of a transfer switch if you will be connecting the generator to your building's system.

GENERAL SAFETY RULES FOR OPERATION

 WARNING	Read all safety warnings, instructions, illustrations and specifications provided with this generator. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.
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Save all warnings and instructions for future reference.

This equipment is to be used for the purpose for which it is designed and intended.

Seek assistance if required when moving or lifting the generator.

WORK AREA SAFETY

- Intended for outdoor use only. DO NOT operate in confined spaces or indoors as carbon monoxide released from the exhaust can kill.
- DO NOT operate in explosive atmospheres such as in the presence of flammable liquids, gases or dust.
- Keep children and bystanders away while operating a generator. Distractions can cause you to lose control.
- Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.
- This generator is not weatherproof. Exposure to rain, damp conditions or extreme temperatures can cause damage or serious injury.

PERSONAL SAFETY

- Stay alert, watch what you are doing and use common sense when operating a generator.
- DO NOT use a generator while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention may result in serious personal injury.

- Use personal protection equipment. Always wear eye protection. Wear approved safety impact eye goggles, dust mask, non-skid safety shoes, hard hat and hearing protection for appropriate conditions.
- DO NOT overreach. Keep proper footing and balance at all times. This enables better control of the generator in unexpected situations.
- Dress properly. DO NOT wear loose clothing, gloves, neckties or jewellery. Keep your hair and clothing away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- DO NOT let familiarity gained from frequent use of the generator allow you to become complacent and ignore safety principles and rules. A careless action can cause severe injury within a fraction of a second.
- For your own safety, do not operate your generator until it is completely assembled and installed according to the instructions and until you have read and understood all of the instructions.

GENERATOR SAFETY RULES

- DO NOT force the generator. Use the correct generator for your application. The correct generator will do the job better and safer at the rate for which it was designed.
- DO NOT use the generator if the engine switch does not turn it on and off. Any generator that cannot be controlled with the switch is dangerous and must be repaired.
- Know how to stop the generator without hesitation. Be thoroughly familiar with proper use of the equipment and all engine controls, output receptacles and connections. Know how to stop the engine quickly (see “Stopping the Generator”).
- The engine owner must instruct all operators in safe engine set-up and operation. Only trained adults should set up and operate the engine. DO NOT let children operate it.
- Carefully read about and understand the intended use of this engine. DO NOT use for other purposes as unforeseen hazards or equipment damage may result.
- NEVER operate or let anyone else operate the engine while under the influence of alcohol, drugs or medication.

- DO NOT operate the engine unless all safety covers, guards and barriers are in place and in good working order – and that all controls are properly adjusted for safe operation.
- DO NOT operate the generator with damaged, missing or broken parts.
- DO NOT modify the generator in any way. Modifications can create hazards and will also void the warranty.
- NEVER attempt to modify the generator speed setting. The generator speed is present for safe and optimal performance of the generator. If speed needs adjusting, it must be done by factory personnel.
- NEVER attempt to connect external fuel sources in order to increase generator run time. A larger tank at pressure or higher elevation will cause a leak from the carburettor during operation. A fire and/or an explosion could result.
- Always turn off the generator and remove the spark plug(s) or spark plug wire(s) before working on the generator to prevent accidental starting. Always discharge the capacitor before working on the generator head to prevent electrical shock. (See Maintenance & Repair section of this manual for

instructions on how to do this.)

- The running generator gives off carbon monoxide, a poisonous gas that can kill you. You CANNOT smell it, see it, or taste it. Follow all instructions for site selection and positioning of the generator and avoid inhaling the exhaust. If you start to feel sick, dizzy or weak while using the generator, shut off the generator and get to fresh air RIGHT AWAY. See a doctor. You may have carbon monoxide poisoning.
- Immediately turn off the generator if any of the following conditions arise during operation:
 1. Excessive change in generator speed, slow or fast;
 2. Sparking or arcs from generator;
 3. Loss of electrical output;
 4. Receptacle damage;
 5. Generator misfire;
 6. Excessive vibration;
 7. Flame or smoke or
 8. Abnormal noise
- This product contains or emits chemical known to the Commonwealth of Australia to cause cancer, birth defects or other reproductive harm. Avoid inhalation of exhaust.

- DO NOT operate the engine or handle any electrical equipment while standing in water, while barefoot, while hands are wet or while in the rain or snow. An electric shock may result.
- Avoid contact with bare wires, terminals, connections, etc. while the generator is running.
- If an electric shock accident occurs, immediately shut down the source of electrical power. If this is not possible, attempt to free the victim from the live conductor. Avoid direct contact with the victim. Use a non-conducting implement, such as a dry rope or board, to free the victim from the live conductor. Administer/apply applicable first aid and get immediate medical help.
- Never smoke near the running engine and never operate near sources of sparks or flames.

SERVICE

- Have your generator serviced by a qualified repair person using only factory approved replacement parts. This will ensure that the safety of the generator is maintained. Incorrectly fitted parts will void your warranty.

- The equipment may only be used, maintained or repaired by those persons who understand and have been instructed about the potential dangers. Independent changes in the equipment cancel any manufacturer's liability for any damages that result from these changes.

APPROPRIATE USE

- Use the equipment only when it is in technically perfect condition and only for appropriate jobs, with an awareness of safety and possible dangers, based on observation of the operating instructions. In particular, problems which could influence the operational safety must be dealt with immediately.
- All of the manufacture's safety, work and maintenance regulations as well as the given norms in the Technical Data must be observed.

STATIC ELECTRICITY AND FILLING THE PETROL TANK

Static electricity can initiate from un-grounded petrol tanks or containers from flowing petrol and persons carrying a static electric charge. Static electricity can explosively ignite petrol vapours that are present during the fuelling process, resulting in serious burns to nearby persons.

Many objects can accumulate and retain a static electric charge. Objects made of non-conductive materials (e.g. plastics) easily accumulate and retain static electrical charge, as can objects made of conductive material (e.g. metal, water) if they are not electrically grounded.

To avoid static electricity while fuelling, certain steps must be followed before and during the fuelling process in order to minimise and safely dissipate static charge build-up:

- Touch a grounded metal object before starting. Always dissipate static charge from your body before beginning the fuelling process by touching a grounded metal object at a safe distance away from the fuel source.
- Use a portable container to fill the tank. NEVER fill the engine's petrol tank directly from the fuel pump – the engine's tank is not grounded and the high velocity flow of petrol from a fuel pump can cause static electric build-up. Use an approved portable container to transfer to the engine's tank.

TYPICAL SOURCES OF STATIC ELECTRIC HAZARDS DURING FUELLING

The following objects can accumulate a static electric charge and cause an ignition spark in typical fuelling situations:

Ungrounded tanks/containers:

Any ungrounded fuel tank or container can accumulate a static electric charge as a result of contact with other objects or friction during transportation. This static electricity can discharge as a spark to the grounded petrol dispenser nozzle as the nozzle is first brought close to the tank/container at the beginning of the fuelling process.

Flowing petrol:

Most people are not aware that petrol accumulates static electric charge while flowing through a hose or pipe. This charge then transfers to and accumulates in the gas tank or container that is being filled. The total amount of charge accumulation depends on the amount of gas pumped into the container, the speed with which it is pumped, and whether or not the tank/ container is grounded. If sufficient static electric charge accumulates in the fuel tank or container during the fuelling process, the tank/container may discharge a spark to

the grounded petrol dispenser nozzle.

A person dispensing the petrol can carry a static electric charge on their body, typically resulting from contact with their car seat or electronics. The static electricity can discharge a spark between that person's hand and either the grounded dispenser nozzle or the fuel tank opening.

GENERATOR SET UP

PLANNING THE POWER LOAD

Plan your power load so that you do not exceed the generator's rate capacity. To calculate the running and start wattage requirements for the devices you will be powering, follow the steps on page 18.

SET UP THE PORTABLE POWER SOURCE

This generator is designed to provide up to its maximum power (in watts) of electrical power. When using the generator as a portable power source, you can plug electric devices and appliances directly into the generator's electrical outlets. This generator is equipped with two SAA approved IP66 rate socket outlets.

Make sure you plug each electrical device/appliance into the correct generator outlet based on the device's plug configuration and voltage/amperage rating. NEVER exceed the amperage rating of an outlet.

Note: You must **NOT** overload the generator. Overloading may cause serious damage to the generator and attached electrical devices.

SET UP AS BUILDING BACK UP

To set up as a building backup, you must arrange for a licensed electrician to connect the generator to your building's electrical system via the installation of an approved transfer switch. The transfer switch must be installed in accordance with the building's electrical code and guidelines supplied by the power company.

A transfer switch does the following:

- Safely connects the generator to your building's electrical system by isolating your generator from your utility company's power lines.
- Connects your generator to a critical subset of your building's circuits that are needed for emergency power needs.



DANGER

A transfer switch must be installed in order to isolate your generator from the utility power grid. If your generator is NOT properly isolated from the utility system, serious hazards will arise.

When your generator is running, its output will back feed into the utility power line and transformer that are normally used to provide you with power. The transformer will step up the current to the normal line voltage. An unsuspecting utility line worker working on what he thinks is a deactivated line could be electrocuted.

If your generator is connected (running or not) when utility power is restored, your generator will be destroyed. It could also explode or cause fire.

Note:

Regardless of whether you use your generator as a back-up power source connected to a building or as a portable power source, you **MUST NOT** overload the generator. Overloading may cause serious damage to the generator and attached electrical devices.


If your generator will be connected to your building's system, it **MUST ALWAYS BE** isolated from the utility power grid with an approved transfer switch installed by a licensed electrician, in compliance with all applicable building and electrical codes and in accordance with the guidelines supplied by the power company.

There may be Federal or State Occupational Safety and Health Administration (OSHA) regulations, local codes or ordinances that apply to the intended use of the generator.

Please consult a qualified electrician, electrical inspection or the local agency having jurisdiction:

- In some areas, generators are required to be registered with local utility companies.
- If the generator is used at a construction site, there may be additional requirements that must be observed.

GROUNDING THE GENERATOR

	WARNING	<p>In order to avoid electrical accidents, all connections to the distribution panel must be carried out by qualified technicians. Incorrect connections can harm people and damage the generator.</p> <p>Operating the generator when it's not properly grounded can result in electrical shock.</p>
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Standard generators are protected by electrical separators.

This equipment has a thermic protection device and/or magnet-to-thermic device to protect against a surge of current, overloading and short-circuiting. In these cases, the generator should under NO circumstances, be earthed using the terminal “PE” or with any other part of the generator.

If a licenced electrician installs the generator with a connection to your building’s electrical circuit for use as a back-up power system, grounding may alternatively be completed through the building’s grounding system. Ask your electrician.

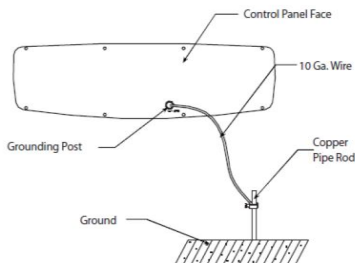


WARNING

Grounding is not required when the generator is used as a portable power source. Below grounding method is only needed by a qualified electrician if not connecting through your building's electrical system.

If the generator is not grounded through your building's system, follow the procedure below. This procedure can only be carried out by a licensed electrician.

1. Drive a $\frac{3}{4}$ " or 1" copper pipe or rod into the ground close to the generator. The pipe/rod must penetrate moist earth – the depth required will be dictated by local soil conditions.
2. Connect an approved ground clamp to the pipe.
3. Run a 10-gauge wire from the clamp to the generator grounding post located on the rear of the generator head.
4. Do not connect the generator grounding post to a water pipe or a ground used by the radio system.




EXTENSION CORDS

Extension cords may be used to power devices that are located at a distance from the generator. However, use only Australian approved outdoor-rated, grounded extension cords. Locate the generator in a convenient place and where possible, avoid long extension leads and possible damage to leads by pedestrian or vehicular traffic.

Extension leads should be heavy duty with at least 1mm of appropriate current rating and in any case, not less than 1mm cross-section of conductor and must incorporate an earthing conductor to ensure that there is not any voltage difference between the generator set and any equipment powered by the generator.

The electrical continuity of the “earthing” core should be checked periodically from pin to socket to ensure continued electrical safety. Some electrical appliances, eg. portable drills, are marked “double insulated”, in which case there should not be an earthing conductor in its mains lead (even though it may have a three-pin plug).


 <p>WARNING</p>	<p>Use of undersized extension cords can cause electric shock, fire or damage to connected devices. All extension and appliance cords must be in good condition and not worn, bare, frayed or otherwise damaged. If an extension cord becomes hot to touch, it is overloaded or damaged and must be replaced.</p> <p>Gentech Industries is NOT responsible for damage or injury resulting from customer use of inadequate extension cords.</p>
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SELECT A SUITABLE SITE

Before using the generator, you must select a suitable **OUTDOOR** location for installation and operation that meets the following criteria:

DRY, LEVEL SURFACE

The generator should be positioned on a dry, firm and level surface. Ensure that the generator sits level and will not slide or shift during operation. If applicable, block the generator's wheels to prevent sliding and shifting.

 WARNING	You must choose a suitable site for operating your generator to avoid equipment damage and/or injury and possible death from carbon monoxide poisoning, electric shock, or fire.
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OUTDOORS ONLY

Follow the directions below for choosing a location to operate your generator in order to avoid carbon monoxide poisoning:

- The location you choose to operate the generator must be **OUTDOORS** and away from all building air intakes.
- Never run the generator inside any closed or semi-enclosed spaces (even if outdoors), including homes, garages, basements, sheds or boxes. These spaces can trap poisonous gases, even if you run a fan or open windows.

- Ensure that working, battery-operated or battery back-up carbon monoxide alarms are used in any dwelling/structure that is in close proximity to the running operator.

Note: This generator is NOT designed or approved for use in vehicles or marine applications. Never run the generator inside RVs or other vehicles such as boats or on pick-up truck beds.

 WARNING	<p>The exhaust from your generator contains carbon monoxide (CO), a poisonous gas that can kill. You cannot smell it, see it, or taste it. Breathing carbon monoxide can cause loss of consciousness and may lead to death. Never run your generator in a conned or even partially enclosed areas or near open windows or doors.</p> <p>Never attempt to attach ductwork to the muffler system to allow for installation inside an enclosure. This could cause hot air, heat build-up and increased exhaust back-pressure, resulting in possible exhaust leakage or damage to the generator.</p>
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ADEQUATE COOLING VENTILATION

The generator needs adequate, unobstructed flow of air to allow for proper cooling of the engine and generator head.

Never place the generator immediately adjacent to a building or other structure – allow at least 2 metres clearance.

Do not run the generator in close proximity to other heat-generating equipment, such as another generator. The combined heat that is generated may raise air temperature in the immediate area and there will not be adequate cooling ventilation.

Do not allow debris to accumulate and block airflow.

Do not operate with a tarp, blanket, or cover surrounding the generator.



WARNING

Heat build-up from inadequate ventilation can result in fire, posing a serious risk to nearby persons and structures. Situate so there is adequate clearance around generator to allow for cooling airflow so that heat does not build up.

HOT EXHAUST CLEARANCE

Make sure your generator's exhaust system is at least 2 meters from all combustible materials and buildings/ structures.

Equip the engine with a spark arrestor if the generator will be used near any ignitable forest, brush, or grassy land. (see the "Specifications" section of this manual to determine if your generator is already equipped). Make sure you comply with applicable local, state and federal codes.

Keep a fire extinguisher rated "ABC" nearby. Keep it properly charged and be familiar with its use.

NO WET CONDITIONS

Choose a location where the generator will NOT be exposed to rain, snow or direct sunlight. Exposure to water can cause an electric shock. You may operate the generator under an outdoor canopy-like structure of heat-resistant material that is open on all sides.


Make sure that all parts of the canopy are at least 2m from the exhaust and allow for adequate clearance above the generator so that heat does not build up.

OPERATE AWAY FROM DUST/DIRT

Do not use the generator in extremely dusty or dirty conditions. Excessive dust and dirt can cause premature failure of the machine.

HEARING PROTECTION

Generators can product noise levels >70dB in close proximity, which can be dangerous to human hearing with prolonged exposure to the running generator for an extended period of time.

 WARNING	Never attempt to attach ductwork to the muffler system to lower noise levels. This could cause hot air deflection, heat build-up and increased exhaust back-pressure, resulting in possible exhaust leakage or damage to the generator.
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Your generator is designed and rated for continuous operation at ambient temperatures up to 40 degrees Celsius. When your generator is needed, it may be operated at temperatures ranging from -15 degrees Celsius to 50 degrees Celsius for short periods. If the generator is exposed to temperatures outside this range during storage, it should be brought back within this range before operation. In any event, the generator

must always be operated outdoors, in a well-ventilated area and away from doors, windows and other vents.

When operated above 25 degrees Celsius, there may be a decrease in power. Maximum wattage and current are subject to and limited by such factors as fuel BTU content, ambient temperatures, altitude, engine condition etc. Maximum power decreases about 3.5% for each 1000 feet above sea level, and will also decrease about 1% for each -12.2 degrees Celsius above 16 degrees Celsius ambient temperature.

1. SAFETY STICKERS AND EXPLANATIONS:

MAXWATT
POWER WHEN YOU NEED IT
MX3200i

INVERTER GASOLINE GENERATOR
4.0kVA
MX3200i

NOTICE
Use the specified spark plug only.
Specified plug: PARTC

DANGER
Use an engine indoors CAN KILL YOU IN MINUTES. Engine exhaust contains carbon monoxide. This is a poison you cannot see or smell.
NEVER use inside a home or garage. EVEN IF door and windows are open.
Only use OUTSIDE and far away from windows, doors, and vents.

DANGER
Use an engine indoors CAN KILL YOU IN MINUTES. Engine exhaust contains carbon monoxide. This is a poison you cannot see or smell.
NEVER use inside a home or garage. EVEN IF door and windows are open.
Only use OUTSIDE and far away from windows, doors, and vents.

DANGER
Use an engine indoors CAN KILL YOU IN MINUTES. Engine exhaust contains carbon monoxide. This is a poison you cannot see or smell.
NEVER use inside a home or garage. EVEN IF door and windows are open.
Only use OUTSIDE and far away from windows, doors, and vents.

STOP
CAUTION: Your generator has been stopped without engine oil. DO NOT start or run the engine before adding oil. Please see manual for instructions.
OIL SPECIFICATIONS:
Use 10W-30. Please refer to Owner's Manual for Capacity.

MAXWATT
POWER WHEN YOU NEED IT
INVERTER GASOLINE GENERATOR

MAXWATT	Model No. MX3200i
Wattage	3200
Output	3000
Current	80A
Voltage	120V
Running Time	2.5 Hours
Recharge Time	12 Hours

PLEASE REFER TO OWNER'S MANUAL BEFORE OPERATION

15L

POWER LOADING MANAGEMENT



WARNING

NEVER exceed the rated wattage capacity of your generator. OVERLOADING may cause SERIOUS DAMAGE to the generator and attached electrical devices and may result in fire.

Your generator **MUST** be sized properly to provide both the running and starting (surge) wattage of the devices you will be powering. Before using your generator, determine the running and starting wattage requirements of all the electrical devices you will be powering simultaneously.

Following below are 4 simple steps and an example on the right:

- Step 1 Determine the tools and appliances you want to power at the same time.
- Step 2 List the start up and running power usage (watts) for each product.
- Step 3 Add the total power usage and add 10% as a safety net.
- Step 4 Choose a generator with a rated maximum power than equals or exceeds your total requirements. In this case, a generator with a rated power of at least 3108W and a maximum power output greater than 7233W would be required.

Use the following formula to convert voltage and amperage to watts: $\text{Volts} \times \text{Amps} = \text{Watts}$

To prolong the life of your generator and attached devices, follow these steps to add electrical load:

1. Start the generator without any electrical load attached.
2. Allow the generator to run for several minutes to stabilise.
3. Plug in and turn on the first item. It is advised to attached the item that requires the largest load first.
4. Allow the generator to stabilise.
5. Plug in and turn on the next item.
6. Allow the generator to stabilise.
7. Repeat 5 and 6 for each additional item.

CONNECTING ELECTRICAL LOADS

1. Let the engine stabilize and warm up for a few minutes after starting.
2. Prior to powering tools and equipment, make sure the generator's rate voltage and amperage capacity (120V AC @ 7 AMPs, 12V DC @ 8 AMPs) is adequate to supply all electrical loads that the unit will power. If powering

exceeds the generator's capacity, it may be necessary to group one or more of the tools and/or equipment for connection to a separate generator.

3. Once the generator is running, simply connect the power cords of 120V AC dual outlets and/or the power cord of a 12V DC tool to the DC terminals.
4. DO NOT connect 3-phase loads to the generator.



Note: The DC terminals may be used for charging 12 volt automotive type batteries only.

STARTING POWER CONSUMPTION

Electronic appliances and brushed motors generally will not draw more than running watts at start up. Induction motors in equipment like air conditioners, welders, water pumps and compressors can draw 2 to 5 times their running power to start. Please consult your equipment's rating label, manual or the manufacturer to confirm specific requirements.

If only the running wattage is given on the nameplate for a device with an electric motor, the starting wattage can approximate to be three to five times the running wattage. Estimates for the running wattage requirements for common devices are listed below.

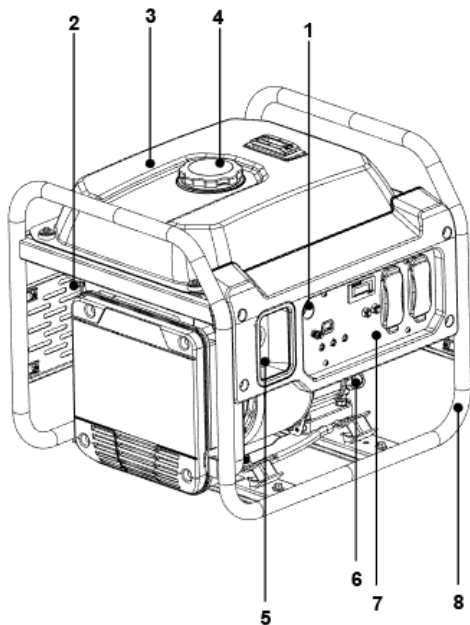
Guidance for starting wattages is provided in the table's footnotes.

To size your generator correctly, you need to use watts – here are some useful calculations:

Watts = Volts x Amps. Example: 240 Volts x 5 Amps = 1200 watts.

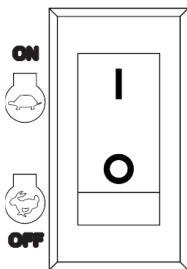
DEVICE	RUNNING WATTS	DEVICE	RUNNING WATTS
Air conditioner (12,000 BTU)	1700 (a,b)	Jet pump	800 (a)
Battery charger (20 Amp)	500	Lawn mower	1200
Belt sander (3")	1000	Light bulb (100 Watt)	100
Chain saw	1200	Microwave oven	700
Circular saw(6½")	2000 (a,b)	Milk cooler	1100 (a)
Coffee maker	1800 (a,b)	Oil burner on furnace	300
Compressor (1 HP)	1400 (a,b)	Oil-red space heater (140,000 Btu)	400
Compressor (3/4 HP)	1800 (a)	Oil-red space heater (85,000 Btu)	225
Compressor (1/2 HP)	1400 (a)	Oil-red space heater (30,000 Btu)	150
Curling iron	700	Oven	4500
Dishwasher	1200	Paint sprayer, Airless (1/3 HP)	600 (a)
Edge trimmer	500	Paint sprayer, Airless (handheld)	150
Electric nail gun	1200	Radio	200
Electric range (1 element)	1500	Refrigerator	600 (b)
Electric skillet	1250	Slow cooker	200
Furnace fan (1/3 HP)	1200 (a)	Submersible pump (1-1/2 HP)	2800 (a)
Freezer	800 (b)	Submersible pump (1 HP)	2000 (a)
Hair dryer	1200	Submersible pump (1/2 HP)	1500 (a)
Hand drill (1")	1100	Sump pump	600 (a)
Hand drill (3/8")	500	Television	500
Hedge trimmer	450	Toaster	1000
Home computer	150	Vacuum cleaner	250
Kettle	2400	Water heater	3000

2. CONTROLS AND FEATURES



- | | |
|---|--|
| (1) Choke | (5) Recoil Starter – Used to start the engine. |
| (2) Fuel Valve – Used to turn fuel supply on and off to engine. | (6) Dipstick |
| (3) Fuel Tank | (7) Power Panel |
| (4) Fuel Cap – Remove to add fuel. | (8) Durable Steel Frame |

CONTROL FUNCTIONS

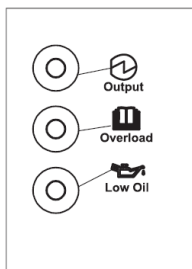


LOW IDLE MODE

When the switch is in the “ON” position the throttle controls the engine speed according to the connected electrical load. The results are better fuel consumption and less noise. When the switch is in the “OFF” position the engine runs at 4,500 rpm regardless of the electrical load.



Note: The switch must be “OFF” when using electrical devices that require a large starting current such as compressors, pumps or refrigerators.



LED INDICATORS

The Led Indicators assist in communicating status and functions of the Generator.

Output Indicator (Green)

The Output Indicator comes on when the engine starts and produces power.

Overload Alarm (Red)

The Overload Alarm comes on when a connected device requires more power than the generator is able to produce.

The Output Indicator (Green) will go off and the Overload Alarm (Red) will stay on, but the engine will continue to run.



Caution

Do not overload the generator. Low Oil Alarm (Red)

When the engine oil falls below the required level the Low Oil Alarm will come on and the engine will stop automatically. The engine will not restart until oil is added to the unit to bring it up to the appropriate level.

TO RESET THE GENERATOR

- Turn off any connected electric devices and stop the engine.
- Reduce the total wattage of the connected electric devices within the rated output.
- Use in proper ventilated areas. Maintain at least 1m of clearance on all sides for adequate cooling.

- After checking, restart the engine.

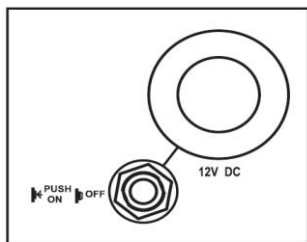


Note:

The Overload Alarm may come on for a few seconds when first using electrical devices that require a large starting current, such as compressors, pumps or refrigerators.

When starting the unit, if the Low Oil Alarm light flickers and the engine will not start, you will need to add engine oil before attempting to restart the engine.

The generator should only be operated on a level surface. DO NOT operate the generator on loose ground or obvious inclines. The low oil shutdown feature may be prematurely activated causing the engine not to start.



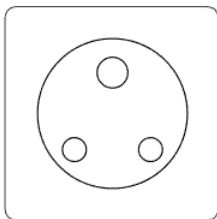
12V 8A DC

The 12V 8A DC Output is provided for battery charging. Follow the instructions in the owner's manual for the battery charging procedures.

8A DC Circuit Breaker

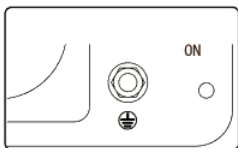
The 8A DC Circuit Breaker turns off automatically if the current exceeds 8A.

If the circuit breaker turns "**OFF**" you will need to push it "**in**" to turn it "**on**" again.



230V AC Outlet

The Outlet is used to power 230V Single Phase 50Hz loads requiring up to 1600W continuous power.



Ground Terminal

Properly ground generator to prevent electrical shock. Connect the ground terminal of generator to ground electrode buried in the ground.

PRE-OPERATION CHECKS

UNPACK THE GENERATOR:

Remove the generator from its packaging.



WARNING!
PACKAGING IS FLAMMABLE!
DO NOT ATTEMPT TO ADD FUEL TO THIS UNIT
BEFORE REMOVING IT FROM PACKAGING.

Inspect the generator to ensure that no damage has incurred in shipping or handling. If the unit appears to be damaged do not add oil or fuel or attempt to start the generator.

Check to ensure that you have received the following items:

- Generator
- 12V Charging Cables
- Oil Funnel

ADDING THE ENGINE OIL:

The generator has been shipped without engine oil.

DO NOT add fuel or start the engine before adding engine oil.

In order to add engine oil, you will need to remove the side panel from the generator see Figure 1.

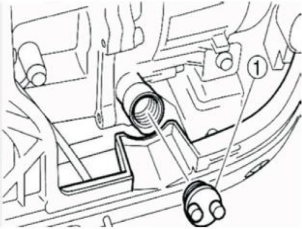


Figure 2

Place the generator on a level surface. DO NOT tilt the generator while adding oil. It can cause you to overfill the oil and or cause the oil leak into areas in which it is not intended. Remove the oil filler cap seen in figure 2.

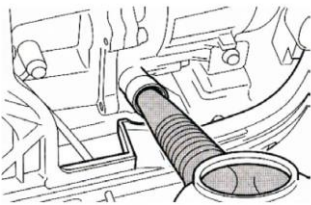


Figure 3

Using the funnel provided, fill with 0.6L of SAE10W-30 or 15W-40 (SEE FIGURE 3) See figure 4 for proper oil level.

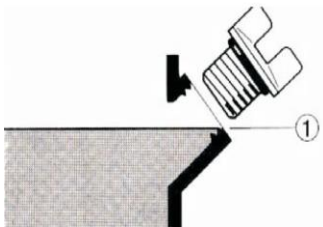


Figure 4

Replace the fuel cap and secure the side panel with the screws provided. Ensure that the correct amount of oil is used of 0.4L.

RECOMMENDED ENGINE OIL:

Only use 4 stroke automotive oil (API or SE) alternatively you can use a higher grade (SG, SH or SJ). SAE 15W-40 is recommended for general all temperature use. If single viscosity oil is used, select the appropriate viscosity for the average temperature in your area.

ADDING FUEL:

Do not overfill the tank, otherwise it may overflow when the fuel warms up and expands.

Note: For safety reasons, once the fuel has been added to this unit it cannot be returned to the place of purchase, please contact Gentech Industries for all service-related enquiries.

Use clean, fresh, regular unleaded fuel with a minimum octane level of 85.

DO NOT mix oil with the fuel.

Always clean the area around the fuel cap.

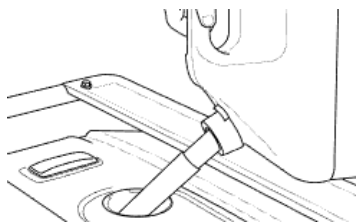
Remove the fuel cap.

Be sure that the fuel strainer is in place.

Slowly add the fuel to the tank.

Do not exceed the red marker position of the fuel filter.

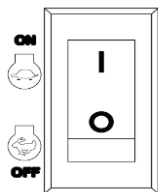
Screw on the fuel cap and wipe away any spilled fuel.



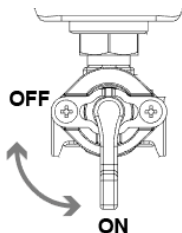
Note: Use only unleaded fuel, the use of leaded fuel will cause severe damage to the internal engine parts. After filling the fuel ensure that the fuel tank cap is securely tightened

STARTING THE ENGINE:

ALWAYS OPERATE THE GENERATOR IN A WELL-VENTILATED AREA. **DO NOT** connect any electrical devices to the outlets on the generator before starting the engine.



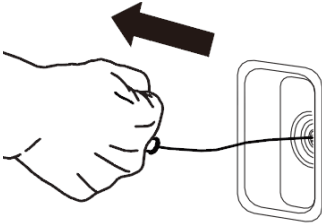
Turn the LOW IDLE MODE switch “OFF” you may turn the switch to the “ON” position once the engine is started and a steady idle is achieved.



Turn the fuel valve to the “On” position.



Pull choke lever out to the “START” position.



Grasp the carrying handle firmly to prevent the generator from falling over when pulling the recoil starter.

Pull the recoil starter slowly until it is engaged and then pull it briskly. After the engine starts, warm up the engine until the engine does not stop when the choke knob is returned to its original position. Push choke lever in to the “RUN” position.

STOPPING THE ENGINE:

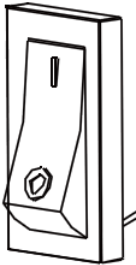
Stopping the engine whilst in the “generator”

function:

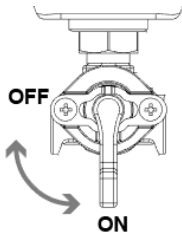
Disconnect the load from the AC receptacle.

Turn the engine switch to the **“OFF”** position

Turn the fuel switch off.



Turn the engine switch to the “OFF” position.



Turn the fuel switch off.

ARGING:

- 4.6.1 Start the engine first and allow it to reach idle before connecting the generator to the battery. Battery Charging is performed using the 12V DC outlet only.
- 4.6.2 Be sure the Throttle switch is turned “OFF” while charging the batteries.
- 4.6.3 Be sure to connect the red battery charger lead to the positive (+) battery terminal, and connect the black lead to the negative (-) battery terminal. DO NOT reverse the positions.
- 4.6.4 Connect the battery charger leads to the battery terminals securely so that they do not disconnect due to the engine vibration or other disturbances.
- 4.6.6 Change the battery by following the instructions in the owner’s manual of the battery.
- 4.6.7 The DC Circuit Breaker will turn “OFF” automatically if the current exceeds the rated output.
- 4.6.8 To restart charging the battery, turn the DC protector on by pressing its button to the “ON” position.

4.6.9 Refer to the owner's manual of the battery to determine charging times.



Note: Never start or stop the generator with electrical devices plugged in or turned on.

5. MAINTENANCE:

For all your service, maintenance and warranty queries please contact Gentech Industries. Please refer to the back page for all contact details. Before starting your generator please check the following service items. These basic inspections can be carried out by a "Laymen".

1. Sufficient fuel.
2. Excessive Vibration.
3. Sufficient clean engine oil.
4. Leaking fuel or oil.
5. Safe surroundings.

Periodic inspection, adjustment and lubrication will

keep your generator in the safest and most efficient condition possible.

5.1 PERIODIC MAINTENANCE:

Item	Routine	Prior to use	Every	
			6mos. or 100hrs.	12mos. or 300hrs.
Spark Plug	<ul style="list-style-type: none"> • Check condition • Clean and replace if necessary 		•	
Fuel	<ul style="list-style-type: none"> • Check fuel level and leakage. 	•		
Fuel hose	<ul style="list-style-type: none"> • Check fuel hose for cracks or damage • Replace if necessary. 	•		
Engine oil	<ul style="list-style-type: none"> • Check oil level in engine. 	•		
	<ul style="list-style-type: none"> • Replace* 		•*	
Air Filter Element	<ul style="list-style-type: none"> • Check condition • Clean 		•	
Muffler Screen	<ul style="list-style-type: none"> • Check Condition • Clean or replace if necessary 		•	
Spark Arrestor	<ul style="list-style-type: none"> • Check Condition • Clean or replace if necessary 		•	
Fuel Filter	<ul style="list-style-type: none"> • Check Condition • Clean or replace if necessary 			•

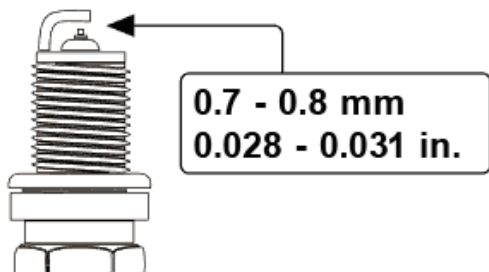
* Initial replacement of the engine oil is after one month or 20 hours of operation.

5.2 SPARK PLUG MAINTENANCE:

5.2.1. Remove the spark plug cable from the spark plug.

5.2.2. Use a spark plug socket tool , or a

- 13/16 in. or 21 mm socket (not included) to remove the plug.
- 5.2.3. Inspect the electrode on the plug. It must be clean and not worn to produce the spark required for ignition.
 - 5.2.4. Make certain the spark plug gap is 0.7 - 0.8 mm or (0.028 - 0.031 in.).
 - 5.2.5. Refer to the spark plug recommendation chart when replacing the plug.
 - 5.2.6. Carefully thread the plug into the engine.
 - 5.2.7. Use the spark plug socket tool or a 13/16 in. or 21 mm socket (not included) to firmly install the plug.
 - 5.2.8. Attach the spark plug wire to the plug.

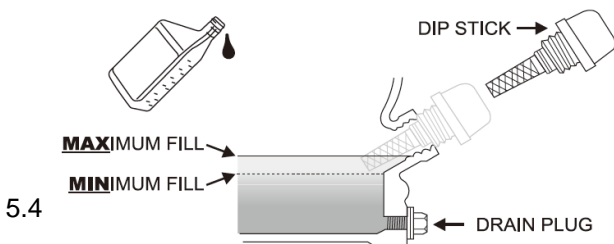


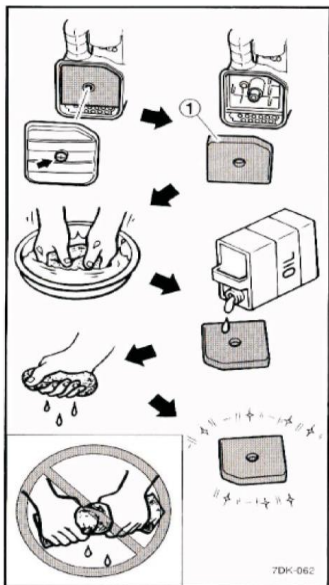
5.3 ENGINE OIL REPLACEMENT

Change oil when the engine is warm. Refer to the oil specification to select the proper grade of oil for your operating environment.

1. Remove the oil drain plug
2. Allow the oil to drain completely.
3. Replace the drain plug.
4. Remove oil fill cap/dipstick to add oil.
5. Add up to 0.6 qt. (0.6 L) of oil and replace oil fill cap/dipstick. **DO NOT OVERFILL.**
6. Dispose of used oil at an approved waste management facility.

NOTE: Once oil has been added, a visual check should show oil about 1-2 threads from running out of the fill hole. If using the dipstick to check oil level, **DO NOT** screw in the dipstick while checking.





1. Remove the foam element -1.
2. Wash the foam element in solvent and dry it.
3. Oil the foam element and squeeze out excess oil. The foam element should be wet but not dripping.

NOTE: Do not wring out the foam element when squeezing it as this could cause it to tear.

4. Insert the foam element into the air filter case.

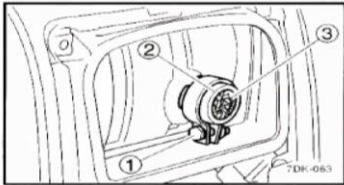
Be sure the foam element sealing surface matches the air filter so there is no air leak.

NOTE: Never operate the engine without the foam element.

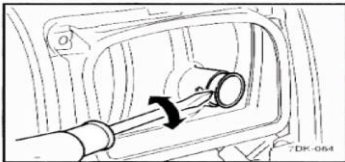
5. Install air filter case cover, and screws.

5.5 MUFFLER SCREEN AND SPARK ARRESTOR MAINTENANCE

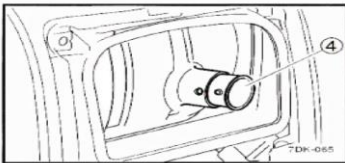
This should be performed every 6 months or 100 hours. The air filter may need to be cleaned more frequently when using in unusually wet or dusty areas.



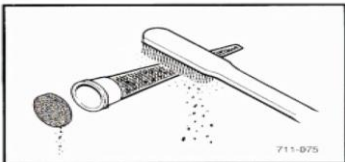
1. Remove the screws 1 and then remove the cover 2.

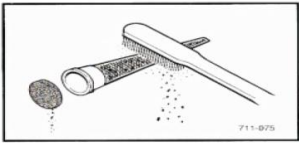
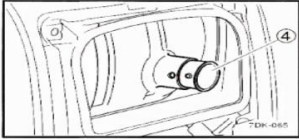
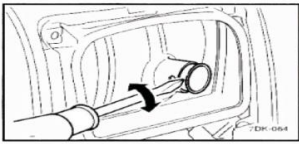


2. Loosen the bolt 1 and remove the muffler cap 2, the muffler screen 3 and spark arrester 4.



3. Remove the carbon deposits on the muffler screen and spark arrester using a wire brush. Use the wire brush lightly to avoid damaging the muffler screen or the spark arrester

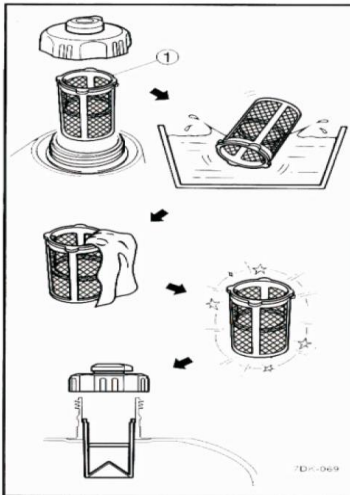




4. Check the muffler screen and spar arrester replace if they are damaged.
5. Install the spark arrester.
6. Install the muffler cap.
7. Install the cover and tighten the screws.

5.6 FUEL FILTER MAINTENANCE

This should be performed every 12 months or 300 hours.



1. Remove the fuel tank cap and filter -1
2. Clean the filter with gasoline.
3. If damaged replace it.
4. Wipe the filter and install it.
5. Install the fuel tank cap.

Warning! Gasoline is highly flammable. Do not perform maintenance while smoking or near an open flame.

PERIODIC MAINTENANCE						
Item	Remarks	Pre-operation check (daily)	Initial 1 month or 20 Hrs	Every 3 months or 50 Hrs	Every 6 months or 100 Hrs	Every 12 months or 300 Hrs
Spark Plug	Check condition, adjust gap and clean. Replace if necessary.				*	*
Engine Oil	Check oil level.	*				
	Replace.		*		*	
Air Filter	Clean.	*		*		
	Replace.					*
Fuel Filter	Clean fuel drain filter. Replace if necessary.				*	
Fuel Inline	Check fuel hose for crack or damage. Replace if necessary.	*				
Exhaust System	Check for spark arrester. Retighten or replace if necessary.		*			
	Check muffler screen. Clean/replace if necessary.		*			
Carburettor	Check choke operation.	*				
Starting System	Check recoil starter operation.	*				
Fittings/ Fasteners	Check all fittings and fasteners, correct if necessary.				*	

MAINTENANCE LOG

MAINTENANCE LOG

Your Maxwatt generator is protected by a 2 year limited warranty (3 month on battery) that covers the product for normal use. The warranty statement is found on the back of this manual. You must understand that negligence or misuse is not covered in the warranty and failure to properly maintain and service the engine, can void your warranty. Please keep records of your service, maintenance and repair history to ensure the product has all the required information to action your warranty, if so required.

No.	Service Date	Hours of Operation	Action	Comments
Please note the date and store of purchase. Keep your receipt.				
Date of Purchase:				
Maxwatt batch number or serial number:				
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
Normal maintenance such as spark plugs, battery, air filters, adjustments, fuel system cleaning and obstruction due to build up is not covered by the warranty.				

6. **STORAGE:**

Long term storage of your generator will require some preventative procedures to guard against deterioration.

1. Be sure all appliances are disconnected from the generator.
2. Add a properly formulated fuel stabilizer to the tank (2-3 times manufacturer's recommended amount).
3. Run the generator for 10 minutes so the treated fuel cycles through the fuel system and carburetor.
4. With the generator running, turn the fuel valve to the "OFF" position and let the generator run until fuel starvation has stopped the engine. This usually takes a few minutes.
5. Turn engine switch to the "OFF" position.
6. Allow generator to cool completely before continuing.
7. Optional: to ensure fuel is completely drained from the carburetor, use the drain bolt on the carburetor to empty any excess gasoline into an appropriate container.
8. Remove the spark plug cap and spark plug and pour about a tablespoon of oil into the cylinder.
9. Pull the recoil slowly to crank the engine to distribute the oil and lubricate the cylinder.

10. Reattach the spark plug and spark plug cap.
11. If the generator includes a battery, disconnect and charge according to Generator Battery.
12. Clean the generator according to Generator Maintenance.
13. Store the generator in a cool, dry place out of direct sunlight.

7. **ENGINE CARE:**

Perform the following steps to protect the cylinder, piston, rings from corrosion:

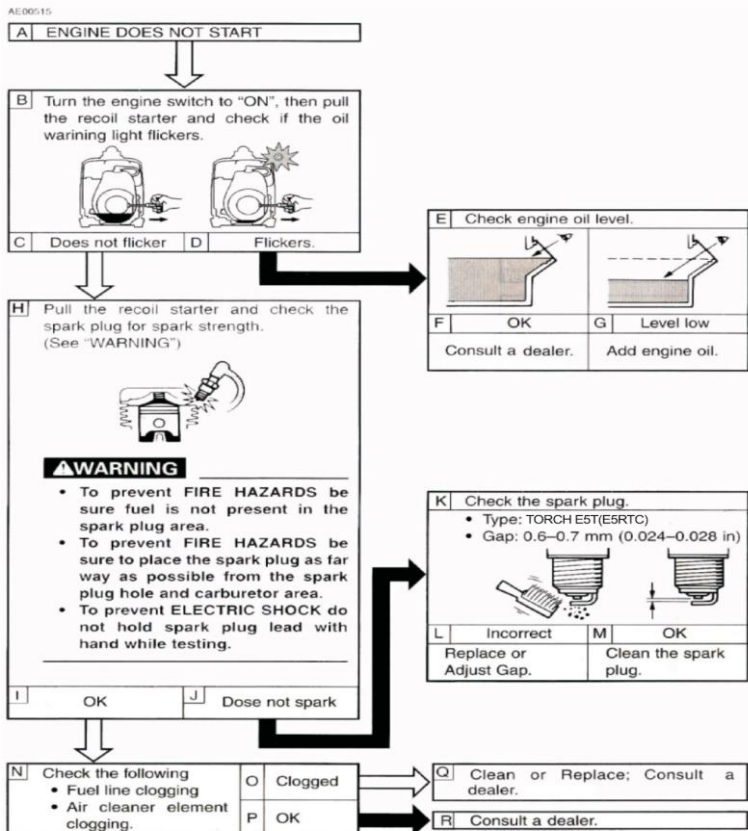
- a) Remove the spark plug, pour about one table spoon of SAE 10w-30 or 20w -40 motor oil into the spark plug hole and reinstall the spark plug. Recoil start the engine by turning over the engine several times (with the ignition off) to coat the cylinder walls with oil.
- b) Pull the recoil starter until you feel compression then stop pulling this will prevent the cylinder and valves from rusting.
- c) Clean the exterior of the generator and apply a rust inhibitor.
- d) Always store the generator in a dry, well

ventilated place with a generator cover placed over it.

- f) The generator must always remain in a vertical position when stored, carried or operated.

8. TROUBLESHOOTING:

8.1 Troubleshooting Diagram:



GENERATOR TROUBLE SHOOTING GUIDE

First check below common start up issues:
 Does the unit have fuel in it? Is the engine oil filled up to the threads?
 Have you changed/cleaned spark plug?
 If the above checklist has been conducted, please refer to the points below:

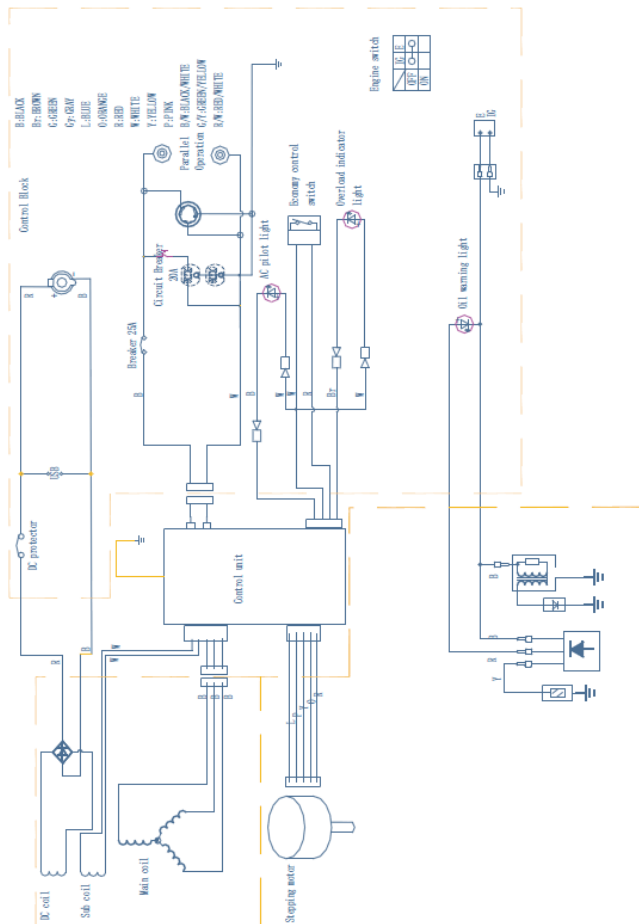
Problem	Possible Cause	Suggested Correction
Engine will not start	Low on fuel or oil content	A fuel or oil
	Engine On/Off switch in "Off" position	Turn the engine switch to "On" position
	Faulty spark plug	Replace or clean spark plug
	Choke lever in wrong position	Adjust choke lever
	Fuel shut-off valve in closed position	Open fuel shut-off valve
	Unit loaded during start-up	Remove load from unit
	Spark plug wire loose	Attach wire to spark plug
	Old fuel in carburettor	Open drain screw until fresh fuel runs through
No electrical output	Faulty receptacle	Have service centre replace receptacle
	Overload has been triggered	Remove all appliances. Stop the generator, and restart. Reconnect appliances but with reduced load
	Faulty power cord	Have an electrician replace cord
	Master 240V switch turned off	Check the master 240V switch is ON
Repeated overload	Overload	Reduce load
	Faulty cords or equipment	Check for damaged, bare, or frayed wires on equipment. Replace.
Generator overheating	Generator overloaded	Reduce load *
	Insufficient ventilation	Move to adequate supply of fresh air
	Blocked exhaust / spark arrestor	Spark arrestor and muffler screen should be cleaned regularly.
Generator keeps stopping or is operating rough	Check oil level	Add oil so oil is at the correct level
	Generator not sitting on flat and level surface	Move generator to a level and flat surface
	Motor needs to be cleaned of carbon	Remove, check and clean spark arrestor if needed. Remove, clean or replace spark plug
	Fuel not getting through the motor	Check fuel filter, if clogged, replace.
	Blocked exhaust / spark arrestor	Spark arrestor and muffler screen should be cleaned regularly
No DC output	DC circuit breaker requires resetting	Remove load from generator. Allow the reset to cool and then press reset
	Reset button continues to open when load is applied	Check polarity to battery being charged. Red to positive, black to negative

If the engine will still not start then contact Gentech Industries for technical assistance.

The details are on the back page of this operator's manual.

Do not attempt to do anything further, contact Gentech Industries immediately for assistance.

9. Circuit Diagram



WARRANTY INFORMATION

2 YEAR TRADE WARRANTY

This warranty is provided by Gentech Industries PTY LTD.

Express Warranty

Subject to the exclusions set out below, we warrant that this product will be free from defects in materials or workmanship for 24 months from the date of purchase.

The benefits conferred by this warranty are in addition to all rights and remedies which you may be entitled to under the Australian Consumer Law and any other statutory rights you may have under other applicable laws.

This warranty does not exclude, restrict, or modify any such rights or remedies.

Warranty Exclusions

This express warranty does not apply where a defect or other issue with the product is caused by normal wear and tear, misuse or abuse of this product.

Consumer Guarantees

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.

LIMITED WARRANTY POLICY:

“This is a “**walk in**” warranty policy and is limited to the range of generators specified herein”. We recommend that you take the generator to the nearest service agent for assistance.

Please visit www.maxwatt.com.au for more information.

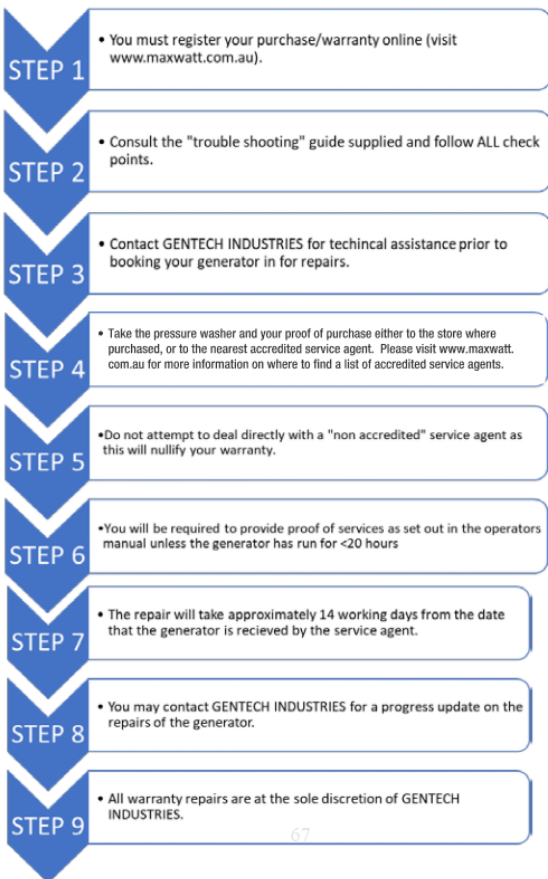
To qualify for this warranty:

“The warranty applies to the first purchaser and each subsequent owner during the applicable warranty time period”.

What the appointed Service Agent will repair or replace under warranty:

“The appointed Service Agent will repair or replace, at its sole discretion, any part that is proven to be defective in material or workmanship under normal use during the applicable warranty time period. Warranty repairs will be made without any charge for parts and labour. All parts replaced will be considered as part of the original product and the warranty on such parts will expire coincident with the original product warranty”.

WARRANTY PROCEDURES:



BELOW IS A LIST OF GENERATORS THAT ARE COVERED UNDER THIS WARRANTY:

MODELS	WARRANTY PERIOD PRIVATE/RESIDENTIAL	WARRANTY PERIOD COMMERCIAL/RENTAL
MAXWATT ALL MODELS	24 months or 500 running hours which ever come first	24 months or 300 running hours which ever come first

**EXCLUSIONS TO THIS LIMITED WARRANTY
INCLUDE:**

1. Neglect in the periodic maintenance as specified in the owner's manual.
2. Improper repairs or maintenance including any repairs and or maintenance carried out by a non-accredited service agent.
3. Operating methods other than those indicated in the owner's manual.
4. The use of non-genuine parts and or accessories other than those supplied by an accredited service agent.
5. Normal wear and tear including but not limited to the fading of painted or plated surfaces.

6. Consumable parts including but not limited to keys, spark plugs, fuel and oil filters, recoil starter ropes, wheels, lubricants, oil grease and fuel.
7. Cleaning adjustments and normal periodic maintenance work including but not limited to cleaning of the battery, carburettor, engine oil, fuel tank and injectors.
8. Over loading resulting in the damage of the AVR, circuit breaker, stator and rotor.
9. Charging and proper maintenance of the battery.
10. Correct preparation when using the generator for the first time as set out in the owner's manual.
11. Fire damage as a result of but not limited to overloading, incorrect installation, incorrect re-fuelling and any other causes as set out in the owner's manual.
12. Damage to any electronic and or electrical appliances connected to the generator.

BELOW IS A TABLE OF PARTS THAT ARE LIMITED BY THIS WARRANTY

PART	OUT OF BOX FAILURE	< 20 RUNNING HOURS
STATOR	*	
ROTOR	*	
CIRCUIT BREAKER	*	
AVR	*	
IGNITION COIL		*
SPARK PLUG		*
BATTERY		*
WHEELS AND AXLE		*
HANDLES		*
RECOIL STARTER		*

***NOTE:**

OUT OF BOX FAILURE REFERS TO A MACHINE THAT HAS RUN FOR < 20 MINUTES.

DISCLAIMER OF CONSEQUENTIAL DAMAGE AND LIMITATION OF IMPLIED WARRANTIES

Gentech Industries PTY LTD disclaims any responsibility for the loss of time or use of the product, transportation, commercial loss or any other incidental or consequential loss or damage. Any implied warranties are limited to the duration of this written limited warranty policy and procedures manual.

ONLINE ORDER RETURNS POLICY

If you believe an item is faulty, you may have rights to a remedy under the Australian Consumer Law. The Australian Consumer Law does recognize that the relevant time period may vary by product (or service) depending on the nature of the goods (or service), the price paid and any representations made about the goods (or service).

Where you believe an item is faulty, it may be necessary for us to send your goods to the manufacturer or their service agent for it to be assessed within a reasonable period of time. If there is a major failure with the item, you may choose a refund, exchange or repair. If the failure is minor, we will repair the item (or, at our discretion, we may replace the item) within a reasonable time.

Where an item is damaged through misuse or abnormal use, the manufacturer cannot provide a refund, exchange or repair. Gentech Industries PTY LTD require satisfactory proof of purchase before providing a remedy under the Australian Consumer Law.

DAMAGED IN TRANSIT

Please do not sign for the delivery of goods that are obviously damaged. If damage is only found upon unpacking then please contact the store that fulfilled your order as soon as possible. Store contact details can be found on your order confirmation email. They will then arrange for the goods to be collected and a refund or replacement item sent out to you. Alternatively, please take the items to your nearest store where they will be able to help you.

NOT AS ADVERTSIED /INCORRECT ITEM

If your order arrives and it's not what you ordered, please contact either the store the order came from or on the online support team at customercare@maxwatt.com.au.

FAULTY PRODUCT

Please contact the store that fulfilled your order. Store contact details can be found on your order confirmation email. The store will need to assess whether the fault is a major or minor fault and will either arrange for the product to be repaired or replace. Some manufacturers require us to send fault items to them for assessment before we can give you a replacement.

CHANGE OF MIND

Changed your mind? Don't worry. You've got 30 days to get your order back to the store it was sent from and provided its un-used we'll give you a refund minus the costs of any shipping.

VALID RECEIPT

A copy of your in-store purchase receipt or online order confirmation email is required for any return. If returning your product to store, please ensure you take a copy with you.