



MX10000PES GENERATOR OPERATORS MANUAL



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INTRODUCTION

This Operating Manual has been designed to instruct you on the correct operation of your generator, Your satisfaction with this product and its safe operation is our ultimate concern. Therefore please take the time to read the entire manual, especially the Safety Precautions. They will help you to avoid potential hazards that may exist when working with this product.

 **Read this manual carefully before operating this generator. This manual should stay with this generator if it is sold.**



SAFETY INSTRUCTIONS AND WARNINGS

⚠ DANGER		
<p>Using a generator indoors CAN KILL YOU IN MINUTES. Generator exhaust fumes contains carbon monoxide. This is a poison you cannot see or smell.</p>	 <p>NEVER use inside a home or garage, EVEN IF doors and windows are open.</p>	 <p>Only use OUTSIDE and far away from windows, doors and vents.</p>
<p>Avoid other generator hazards. READ MANUAL BEFORE USE.</p>		

GENERAL SAFETY PROCEDURES



SAFETY ALERT SYMBOL

The safety alert symbol is used with one of the safety words (**DANGER**, **CAUTION**, or **WARNING**) to alert you of hazards. Please pay attention to these hazard notices both in this manual and on the generator.

Please familiarize yourself with the following safety symbols and words:

- **DANGER:** Indicates a hazard that will result in serious injury or death if instructions are not followed.
- **WARNING:** Indicates a strong possibility of causing serious injury or death if instructions are not followed.
- **CAUTION:** Indicates a possibility of personal injury or equipment damage if instructions are not followed.



DANGER: This generator produces poisonous carbon monoxide fuel when running. This fuel is both odorless and colorless. Even if you do not see or smell fuel, carbon monoxide may still be present. Breathing this poison can lead to headaches, dizziness, drowsiness, and eventually death.

- Use outdoors **ONLY** in non-confined areas.
- Keep several feet of clearance on all sides to allow proper ventilation of the generator.



WARNING: The exhaust from this product contains chemicals known to cause cancer, birth defects, or other reproductive harm.



WARNING: This generator produces heat when running. Temperatures near exhaust can exceed 150°F (65°C).

- Do not touch hot surfaces. Pay attention to warning labels on the generator denoting hot parts of the machine.
- Allow generator to cool several minutes after use before touching engine or areas which heat during use.



WARNING: This generator may emit highly flammable and explosive petrol vapors, which can cause severe burns or even death. A nearby open flame can lead to an explosion even if not directly in contact with petrol.

- Do not operate near an open flame.
- Do not smoke near the generator.
- Always operate on a firm, level surface.
- Always turn the generator off before refueling.
- Allow generator to cool for at least 2 minutes before removing the fuel cap. Loosen cap slowly to relieve pressure in the tank.
- Do not overfill the fuel tank. fuel may expand during operation. Do not fill to the top of the tank.
- Always check for spilled fuel before operating.
- Empty the gasoline tank before storing or transporting the generator.
- Before transporting, turn the fuel valve to the off position and disconnect the spark plug.



WARNING: This generator produces a powerful voltage, which can result in electrocution.

- ALWAYS ground the generator before using it (see the “Grounding the Generator” portion of the “PREPARING THE GENERATOR FOR USE section).
- The generator should only be plugged into electrical devices, either directly or with an extension cord. NEVER connect to a building electrical system without a qualified electrician. Such connections must comply with local electrical laws and codes. Failure to comply can create a back-flow of power, which may result in serious injury or death to utility workers.
- Do not use uncovered in rainy or wet conditions.
- Do not touch bare wires or receptacles (outlets).
- Do not allow children or non-qualified persons to operate.



WARNING!

HAZARDOUS KEEP NEW AND USED BATTERIES OUT OF REACH OF CHILDREN.

Never allow children to replace button batteries on any device. Swallowing or placing inside any part of the body may lead to severe or fatal injuries in as little as 2 hours or less due to chemical burns and potential perforation of the oesophagus.

GENERAL SAFETY PROCEDURES

If you suspect your child has swallowed a battery or placed inside any part of the body, immediately call the POISONS INFORMATION CENTRE on 13 11 26 for prompt advice.

If your child is having any difficulty breathing, contact 000. Dispose of used button/coin batteries immediately and safely. A battery can still be dangerous even when it can no longer operate the device. Place sticky tape around both sides of the battery and dispose of it immediately out of reach of children in an outside bin or recycle safely.

In addition to the above safety notices, please familiarize yourself with the safety and hazard markings on the generator.



UNIT AND PURCHASE INFORMATION

Serial Number



Serial Number

The serial number is located on the engine block, above and to the left of the oil fill.



Serial number format

The serial number will be shown in two parts. The engine model, followed by the serial number.

Engine Model: _____

Serial Number: _____

STAPLE RECEIPT HERE

A purchase receipt may be necessary for warranty parts or service in the future. If you have a paper receipt staple it here for easy reference.

If you purchased the unit online, save the email receipt where you can access it, and record your details here for convenience in the future.

Purchase Date: _____

Order Number: _____

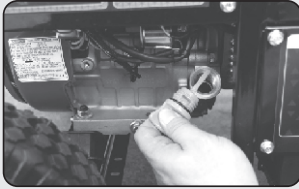
Retailer Name: _____



QUICK START

The Quick Start of your generator is the minimum necessary setup that will get you going as soon as possible. Be sure to read the instructions starting on pg. 15 for full setup instructions.

QUICK START GUIDE



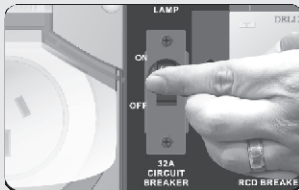
1. Add oil

The oil fill cap is located on the lower engine block to the right of the recoil start housing. Remove the oil fill cap and fill with 10w30 oil.



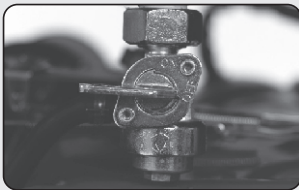
2. Add petrol

The fuel cap is located on top of the fuel tank. Fill the tank with fresh unleaded petrol 91 octane or higher. The tank is full when you see fuel in the bottom of the fuel filter cup. DO NOT overfill the tank.



3. Turn breaker off

The breaker is located on the right side of the front power panel. Flip the breaker down to prevent accidental load when starting the generator.



4. Turn Fuel Switch on

The fuel switch is located above the recoil start on the bottom of the fuel tank. Rotate the valve counterclockwise to the vertical position to turn on the fuel supply.



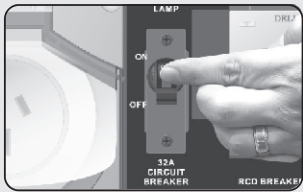
5. Turn engine switch to START

Turn battery isolator to ON.
Press & hold the "Start Button" or "remote" for 4 seconds
and wait for the generator to start.



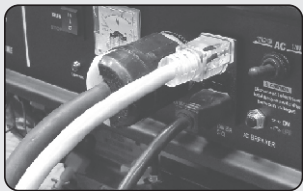
6. Recoil starter

To manual start pull the recoil starter until resistance is felt.
Do not pull the rope of the recoil starter out completely.



7. Turn breaker on

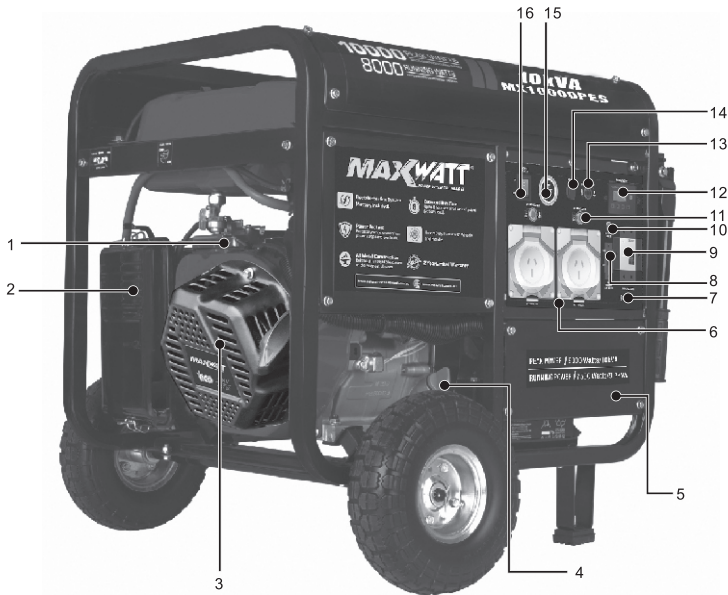
The breaker is located on the right side of the front power panel. Flip the breaker up to allow the power to flow to the receptacles.



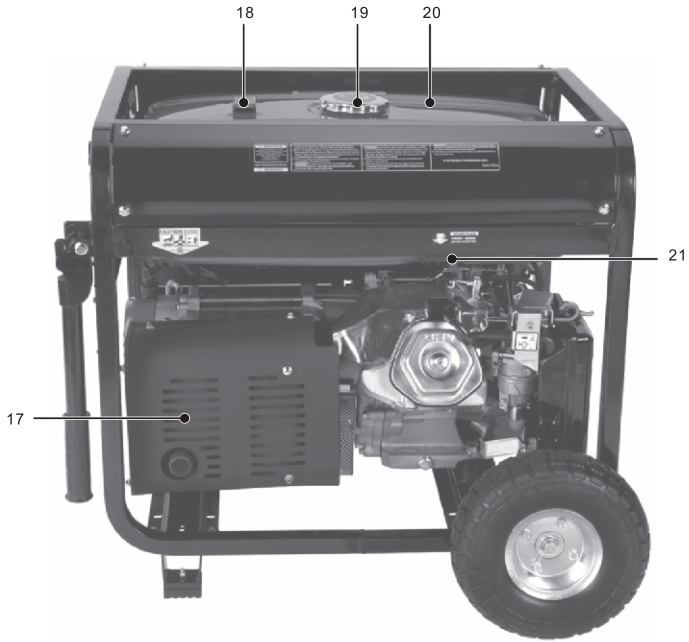
8. Connect devices

Connect your devices to the receptacles on the front panel.
Start with the largest loads first.

GENERATOR COMPONENTS



1. **Fuel Switch** – On/Off Switch that allows fuel into the engine.
2. **Air Cleaner** – A removable, cleanable, oiled, element that cleans the air going into the engine
3. **Recoil Start** – Easy Pull Recoil Start to start the engine without the electric start.
4. **Oil Fill and Dipstick** – Use to add or check the oil.
5. **Battery** –12V DC 14ah Battery that powers the Electric Start System.
6. **2x20A outlets** – Use to connect electrical devices.
7. **Ground Terminal** – Connect a ground wire here to properly ground the generator.
8. **Circuit Breaker** – Resettable switch that protects the generator from electrical overload.
9. **RCD**
10. **Power Lamp**
11. **AC Protector**
12. **Digital Meter**
13. **DC Protector** – Use to protect DC outlets
14. **12v Dc charging Posts** – DC Output for charging batteries or running small DC powered items.
15. **Engine Switch**
16. **Battery Isolator Switch** – Used to keep the battery powered.



- 17. **Muffler** – Reduces engine emissions and reduces noise.
- 18. **Fuel Gauge** – Indicates the amount of fuel in the gasoline tank.
- 19. **Fuel Cap** – Allows access to fill the gasoline tank.
- 20. **Fuel Filter Cup** – Traps dirt and debris in gasoline before it enters the engine.
- 21. **Spark plug** – Provides ignition to the engine.

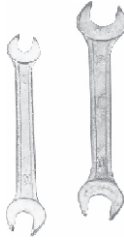
PACKAGE CONTENTS

Your generator comes with the items listed below. Please check to see that all of the following items are included with your generator.



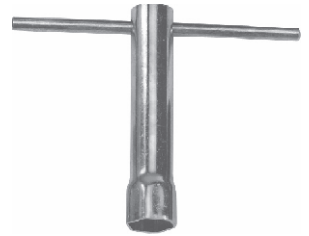
Double Sided Screw Driver

Phillips and slot blade screwdriver used for generator maintenance.



Spanner

Assorted wrenches used in generator maintenance and assembly. Commonly 8mm, 10mm, 13mm, and 15mm.



Spark Plug Wrench

Used in spark plug maintenance, inspection, and installation.



Oil Funnel w/ hose

Used to add oil to the generator without messy spills.



DC Charge Cables

Used in conjunction with the charging posts to charge 12v automotive style batteries or small DC appliances.



Plug Ends

Plug heads for the receptacles found on the generator are included to make or rewire your own cords.

- Note: Actual tools may differ in appearance or design from image shown.

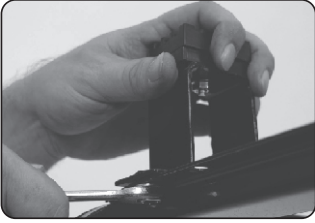


GENERATOR SETUP

Proper setup of your generator will get you going as soon as possible while making sure you and your equipment are safe and cared for.

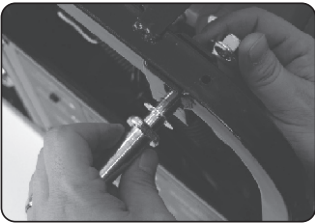
GENERATOR SETUP (CONTINUED)

Step 1 - Wheel Kit Installation (Optional)



1. Install support legs

- a. Secure the support legs to the frame with the provided lock nuts.



2. Install wheel axles

- a. Place the smallest washer onto the wheel axle bolts.
- b. Insert wheel axle bolts through the frame and secure with the provided nut and wrenches



3. Install inside wheel washers

- a. Place one of the large washers onto the axles.



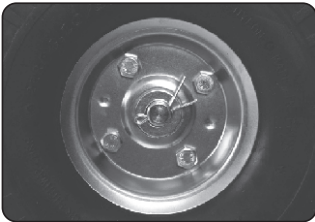
4. Install wheels

- a. Place the wheels onto the axles.



5. Install outside wheel washers

- a. Place the other large washers onto the axles.



6. Install cotter pins

- a. Place the cotter pin through the hole at the end of the axle and bend it out to secure the wheel.



7. Install handles

- a. Attach the handles to the brackets on the frame using the provided bolts and nuts.

Do not overtighten the handles, it will prevent free movement.



8. Flip over assembled

- a. Flip the assembled generator over onto its wheels and support brackets.

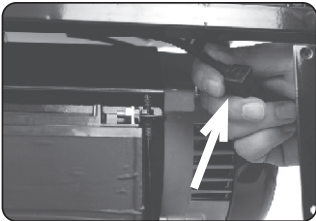
GENERATOR SETUP (CONTINUED)

Step 2 - Connect the Battery



1. Remove the battery cover

- a. Remove the battery cover plate using the wrench from the toolkit.



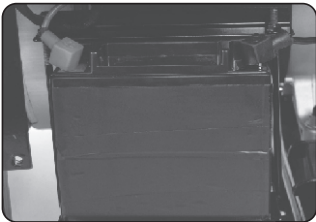
2. Locate the negative cable

- a. Locate the negative battery cable above and behind the battery. One side is connected to ground and the other end needs to be connected to the battery.
- b. Route the free end to the negative battery terminal.



3. Connect the negative cable

- a. Push the black rubber boot up the wire to expose the connector.
- b. Securely connect the free end of the battery cable to the negative battery terminal using the screw and nut from the battery with the screwdriver and wrench from the toolkit.



4. Reinstall the battery plate

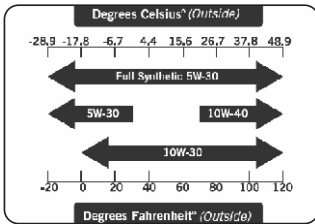
- a. Cover the connected terminal with the black rubber boot.
- b. Reinstall the battery cover plate using the wrench from the toolkit.

Step 3 - Adding Oil

The generator requires engine oil to operate properly. The generator, when new from the package, contains no oil in the crankcase*. You must add the proper amount of oil before operating the generator for the first time. This amount is equal to the oil capacity of the engine crankcase:

Model Number	MX1000PES
Engine Oil Capacity	1.1L

WARNING: Do not apply engine oils with additives or 2-stroke gasoline engine oils. They don't have enough lubrication and may shorten the engine's service life.

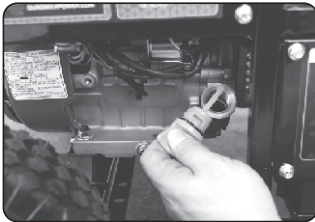


Engine oil recommended: SAE 10W-30.

Viscosity varies with regions and temperatures. Choose your oil viscosity using the chart to the left.

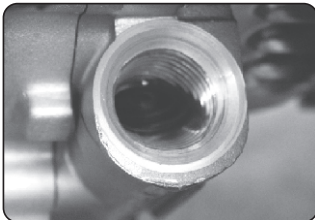
* A small amount of oil from factory testing may be present on arrival.

* Synthetic oil may be used after the 8 hour initial break-in period. Using synthetic oil does not increase the recommended oil change interval. Full synthetic 5W-30 oil will aid in starting in cold temperatures <5°C (41°F).



Add oil

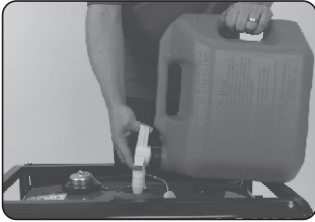
- Make sure the generator is on a level surface.
- Unscrew the oil filler/dipstick cap from the engine.
- Using a funnel, add the appropriate amount of oil into the crankcase. You will know the crankcase is full when the oil level has reached the lower lip of the opening you have just poured the oil into.
- Replace the oil filler cap.



WARNING: DO NOT overfill the crankcase. This may damage the motor and shorten the overall life of your generator.

GENERATOR SETUP (CONTINUED)

Step 4 - Adding Petrol



Add Petrol

- Make sure the generator is on a level surface.
- Unscrew fuel cap and set aside (NOTE: the fuel cap may be tight and hard to unscrew).
- Slowly add unleaded Petrol to the fuel tank. Be careful not to overfill. The fuel gauge on the top of the fuel tank indicates how much petrol is in the generator fuel tank.
- Replace fuel cap and wipe up any spilled petrol with a dry cloth.

Model Number	MX10000PES
Fuel Tank Capacity	30L

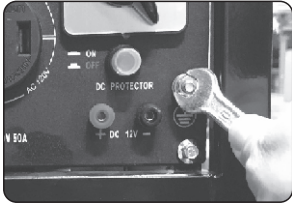


Petrol and fuel fumes are highly flammable.
Do not fill the tank near an open flame.
Always check for fuel spills.

IMPORTANT:

- To ensure that the generator runs smoothly use only FRESH, UNLEADED PETROL WITH AN OCTANE RATING OF 91 OR HIGHER.
- Never use an oil/petrol mixture. Never use old petrol.
- Avoid getting dirt or water in the fuel tank.
- Petrol can age in the tank and make it hard to start up the generator in the future.
- Never store generator for extended periods of time with fuel in the tank.

Step 5 - Grounding the Generator



Attach grounding wire

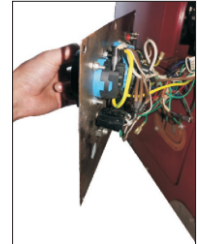
- Ground the generator by tightening the grounding nut against a grounding wire.
- Connect the other end to a copper or brass grounding rod that's driven into the earth.



Grounding codes can vary by location. Please contact a local electrician to check the grounding regulations for your area.



WARNING: Failure to properly ground the generator can result in electrocution.



IMPORTANT:

This generator is fitted with a MEN link (yellow-green cable) cable, the neutral is internally bonded to the generator earth. When a licensed electrician is installing the generator to a building to be used as a backup power source, the MEN must be removed. The MEN link is located inside the panel.

OPERATION STEPS:

- Ensure Generator Status: Before performing any operations, make sure the generator is completely shut down and the battery is not being charged.
- Remove the Generator Panel:
 - Use appropriate tools to remove the six fixing bolts on the generator panel.
 - Gently remove the generator panel to avoid damaging the panel or surrounding components.
- Handle the Wiring:
 - On the back of the generator panel, locate the wire labeled "MEN LINK."
 - After removing the wire, wrap its ring terminal with insulating tape to ensure insulation and prevent short circuits.
- Reinstall the Panel:
 - Reinstall the generator panel to its original position and ensure it is securely in place.
 - Use the six fixing bolts removed earlier to secure the panel, ensuring all bolts are tightened.

NOTED:

- Exercise caution during the operation to avoid any damage to the generator.
- Ensure all terminals are properly insulated before reinstalling to prevent electrical faults.

Please follow the above steps to ensure the safe and proper operation of the generator.



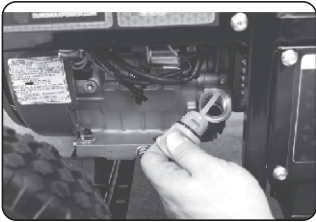
STARTING THE GENERATOR

If this is not your first time using the generator there are still steps you should take to prepare it for operation each time you use it.

IMPORTANT: At this point, you should be familiar with the procedures described in the first portion of this section entitled "GENERATOR SETUP" If you have not yet read this section, go back and read it now.

BEFORE YOU START YOUR GENERATOR

Step 1 - Check the oil

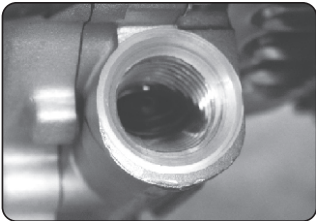


Check the oil

The generator is equipped with an automatic shutoff to protect it from damage due to low oil. Nonetheless, you should check the oil level of the engine before each use to ensure that the engine crankcase has a sufficient amount.

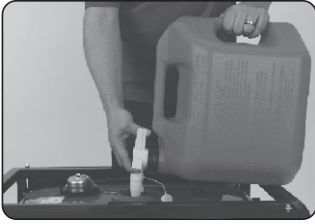
To check the oil level:

- a. Make sure the generator is on a level surface.
- b. Unscrew the oil filler/dipstick cap.
- c. With a dry cloth, wipe the oil off of the stick on the inside of the cap.
- d. Insert the dipstick as if you were replacing the cap and then remove it again. There should now be oil on the stick. If there is no oil on the stick, or oil only at the very end of the stick, you should add oil until the engine crankcase is filled (see "Adding Oil" portion of the "Maintenance" section).
- e. Be sure to replace the cap when finished checking oil.



Model Number	MX10000PES
Engine Oil Capacity	1.1L

Step 2 - Check the fuel level (Optional)



Check fuel level

If running the engine on petrol check to see that there is sufficient petrol in the fuel tank. The fuel gauge on top of the tank will give a rough estimate of the petrol level. The gauge will appear white then fill red as the tank is filled.

Note: Fuel gauge may not register with less than 1/3 fuel tank full.

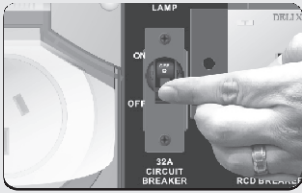


WARNING: Petrol and petrol fumes are highly flammable.

- Do not fill the tank near an open flame.
- Always allow the engine to cool for several minutes before refueling.
- DO NOT overfill the fuel tank. Fuel expands when shaken or heated. ALWAYS leave 2-5mm space or more at the top of the tank.
- ALWAYS use fresh fuel or stabilized fuel. Old petrol (older than 30 days) can cause permanent damage to the fuel system.
- Always check for fuel spills.

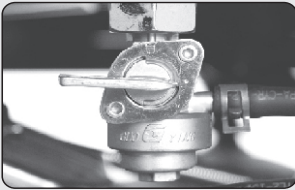
STARTING THE GENERATOR

Step 3 - Starting the Generator



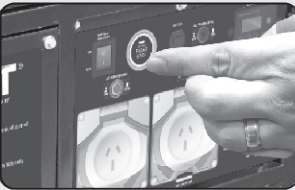
1. Turn breaker off

The breaker is located on the right side of the front power panel. Flip the breaker down to prevent accidental load when starting the generator.



2. Turn fuel switch on

The fuel switch located above the recoil start on the bottom of the fuel tank. Rotate the valve clockwise to the vertical position to turn on the gas supply.



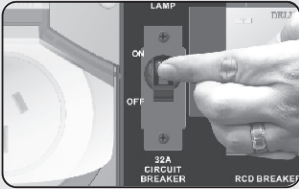
3. Turn engine switch to START

Turn battery isolator to ON.
Press & hold the "Start Button" or "remote" for 4 seconds and wait for the generator to start.



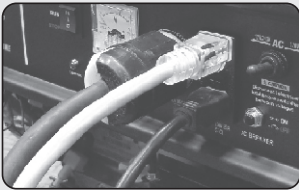
4. Recoil starter

To manual start pull the recoil starter until resistance is felt. Do not pull the rope of the recoil starter out completely.



5. Turn breaker on

The breaker is located on the right side of the front power panel. Flip the breaker up to allow the power to flow to the receptacles.



6. Connect devices

Connect your devices to the receptacles on the front panel. Start with the largest loads first.



CAUTION: Disconnect all electrical loads from the generator before attempting to start!



WARNING: Operating the starter motor for more than 5 seconds can damage the motor. If the engine fails to start, release the switch and wait 10 seconds before operating the starter again.



USING THE GENERATOR

If this is not your first time using the generator, there are still steps you should take to prepare it for operation each time you use it.

IMPORTANT: At this point, you should be familiar with the procedures described in the first portion of this section entitled "GENERATOR SETUP"; if you have not yet read this section, go back and read it now.

USING THE GENERATOR

AC Usage

- You may connect electrical devices running on AC current according to their wattage requirements.
- The chart below shows the rated and surge wattage of your generator according to its model number.
- The rated wattage corresponds to the maximum wattage the generator can output on a continuous basis.
- The surge wattage corresponds to the maximum amount of power the generator can output for a short period of time. Many electrical devices such as refrigerators require short bursts of extra power, in addition the rated wattage listed by the device, to stop and start their motors. The surge wattage ability of the generator covers this extra power requirement.

Fuel Source	Rated (Running Watts)	Surge (Peak) Watts
Petrol	7500	8000

The total running wattage requirement of the electrical devices connected to the generator should not exceed the rated wattage of the generator itself. To calculate the total wattage requirement of the electrical devices you wish to connect, find the rated (or running) wattage of each device. This number should be listed somewhere on the device or in its instruction manual.

If you cannot find this wattage, you may calculate it by multiplying the Voltage requirement by the Amperage drawn: $\text{Watts} = \text{Volts} \times \text{Amps}$. If these specifications are not available you may estimate the Watts required by your device by using the chart on the next page.

Once you have found the rated wattage requirement of each electrical device, add these numbers to find the total rated wattage you wish to draw from the generator. If this number exceeds the rated wattage of the generator, DO NOT connect all these devices. Select a combination of electrical devices, which has a total rated wattage lower than or equal to the rated wattage of the generator.

Tool or Appliance	Rated (Running) Watts	Additional Surge Watts
Electric water heater (150L)	4000	0
Hot plate	2500	0
Radial arm saw	2000	2000
Electric Stove	1500	0
Circular Saw	1500	1500
Air compressor (1 HP)	1500	3000
Window air conditioner	1200	1800
Miter saw	1200	1800
Microwave	1000	2000
Well water pump	1000	1500
Reciprocating saw	960	1040
Sump pump	800	1200
Refrigerator freezer	800	1200
Furnace blower	800	1300
Computer	800	0
Electric drill	600	900
Television	500	0
Deep freezer	500	800
Garage door opener	480	600
Stereo	400	0
Box fan	300	600
Clock radio	300	0
Security system	180	0
DVD Player	100	0
Common light bulb	75	0



CAUTION - The generator can only run at its surge wattage capacity for a very short time. Connect only electrical devices requiring a rated (running) wattage equal to or less than the rated wattage of the generator. Never connect devices requiring a rated wattage equal to the surge wattage of the generator.

NOTE: The above wattage figures are estimates only.

Try to check the wattage listed on your electrical devices before consulting this chart.

USING THE GENERATOR (CONTINUED)

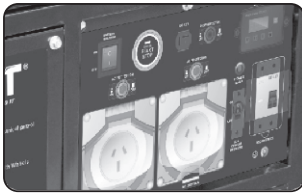
Connecting a load to the generator

NOTE: Be sure to attach devices to the correct receptacle (outlet).

- 240v devices can ONLY be connected to the 240v receptacle.

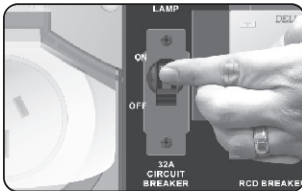


CAUTION: Do not connect 60Hz or 3-phase loads to the generator.



1. Plug in devices

Plug in devices to the appropriate receptacle. When using the generator in 240v mode, balance the load as closely as possible. Placing more load on one side of the circuit will reduce the breaker trip period.



2. Turn breaker on

Flip the circuit breaker up to the on position to allow power to the receptacles.



3. Turn on connected devices

Start or turn on appliances starting with the biggest loads first.

USING THE GENERATOR (CONTINUED)

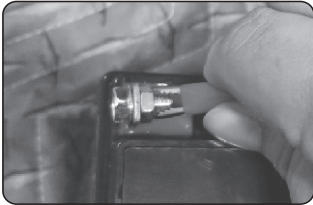
DC Usage



CAUTION: The DC receptacle is for recharging 12 Volt automotive-type batteries only. Do not connect any other device to this receptacle.

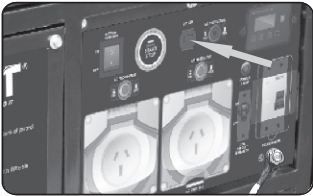


CAUTION: Never try to jump start a car with your generator.



1. Connect the battery

Connect one charging wire to the positive terminal on the battery and the other charging wire to the negative terminal on the battery.



2. Plug in devices



3. Start Generator

The start switch is located on the left side of the front power panel. Push to the start position to start the generator. Allow the switch to return to the run position once started.



4. Disconnecting

When disconnecting, always disconnect the wires from the generator first to avoid a spark.



DANGER - Stored batteries emit highly explosive hydrogen gas when charged. Batteries also contain acid, which can cause severe chemical burns.



DANGER - Do not allow open flames or cigarettes nearby for several minutes after charging a battery.



DANGER - Always wear protective goggles and rubber gloves when charging a battery.



DANGER - If battery acid gets on your skin, flush with water. If battery acid gets in your eyes, flush with water and call a physician immediately.



DANGER - If battery acid is swallowed, drink large quantities of milk and call a Physician immediately.



MAINTENANCE AND CARE

Proper maintenance and storage of your generator are essential to ensure trouble-free use of your generator when you need it.

By following the maintenance and care requirements, you can keep your generator running smoothly and efficiently for years to come.

MAINTENANCE AND CARE

Proper routine maintenance of your generator is essential for safe, economical, and trouble-free operation. It will also help reduce air pollution.



WARNING: Improper maintenance, or failure to correct a problem before operation, can cause a malfunction in which you can be seriously injured or killed. Always follow the inspection, maintenance recommendations, and schedules in this instruction manual.

- Make sure the engine is off before you begin any maintenance or repairs.
- Let the engine and exhaust system cool before touching.
- To reduce the possibility of fire or explosion, be careful when working around petrol. Use only a nonflammable solvent, not petrol, to clean parts. Keep cigarettes, sparks, and flames away from all fuel-related parts.

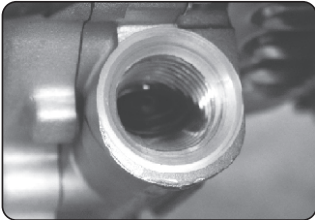
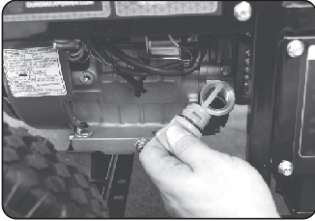
Maintenance Schedule

Remember that this schedule is based on the assumption that your machine will be used for its designed purpose. Sustained high-load, high-temperature operation, or use in unusually wet or dusty conditions, will require more frequent service.

SERVICE	EVERY USE	1ST MO. OR 8 HRS. (BREAK IN)	EVERY 3 MO. OR 50 HRS. OF HEAVY USE	EVERY 6 MO. OR 100 HRS. OF NORMAL USE	EVERY 12 MO. OR 300 HRS.	EVERY 3 YRS. OR 500 HRS.
ENGINE OIL	CHECK	CHANGE	CHANGE	CHANGE		
AIR CLEANER	CHECK	CHECK	CHANGE	CHANGE		
SEDIMENT CUP			CLEAN	CLEAN		
SPARK PLUG			CLEAN / ADJUST	CLEAN / ADJUST		
SPARK ARRESTOR	CHECK				CLEAN	
IDLE SPEED					CHECK / ADJUST	
VALVE CLEARANCE					CHECK / ADJUST	
FUEL TUBE	CHECK				CHECK / REPLACE	
FUEL TANK / FILTER					CLEAN	
COMBUSTION CHAMBER						CLEAN

MAINTENANCE AND CARE (CONTINUED)

Checking the oil



Check the oil

The generator is equipped with an automatic shutoff to protect it from damage due to low oil. Nonetheless, you should check the oil level of the engine before each use to ensure that the engine crankcase has a sufficient amount.

To check the oil level:

- a. Make sure the generator is on a level surface.
- b. Unscrew the oil filler/dipstick cap.
- c. With a dry cloth, wipe the oil off of the stick on the inside of the cap.
- d. Insert the dipstick as if you were replacing the cap and then remove it again. There should now be oil on the stick. If there is no oil on the stick, or oil only at the very end of the stick, you should add oil until the engine crankcase is filled (see "Adding Oil" portion of the "Maintenance" section).
- e. The oil will be visible in the oil fill spout when full.
- f. Be sure to replace the cap when finished checking oil.

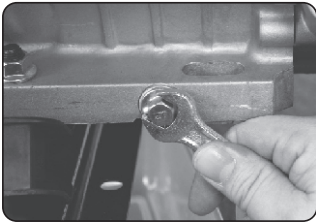
Model Number	MX10000PES
Engine Oil Capacity	1.1L

Changing the oil



Worn out or dirty oil does not cool the generator properly and can lead to catastrophic engine damage.

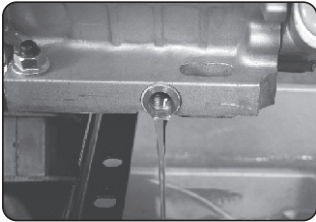
In addition to regular oil changes, it is necessary to drain the oil from the crankcase if it has become contaminated with water or dirt.



1. Remove drain plug

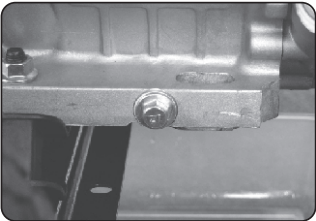
Using a 12 mm hex wrench, unscrew the oil drain plug, which is located on the crankcase underneath the oil filler/dipstick cap.

Allow all the oil to drain from the generator.



2. Drain oil

Drain oil into an approved oil disposal container. Contact your local auto parts store for information on oil disposal.



3. Replace drain plug

Replace the oil drain plug and tighten with a 12 mm hex wrench.

MAINTENANCE AND CARE (CONTINUED)

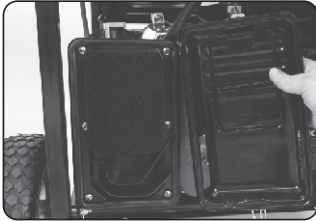
Cleaning the air filter

MAINTAIN AIR FILTER

Only clean the Air Cleaner with a neutral solvent, once clean submerge the Air Cleaner into engine oil until saturated and then squeeze out excess oil. It is recommended that the Air Cleaner is cleaned every 50 running hours. If the machine is operated in a dusty environment then it is recommended to clean Air Cleaner every 10 hours.

Routine maintenance of the air cleaner helps maintain proper airflow to the carburetor. Check that the air cleaner is free of excessive dirt after every use.

Note: Improper maintenance may cause less air to enter the engine or dirty air to enter the engine causing overheating and engine wear.



1. Remove the filter cover

Release the clips on the top and bottom of the cover and remove the filter cover.



2. Remove filter

Remove the sponge-like elements from the casing.



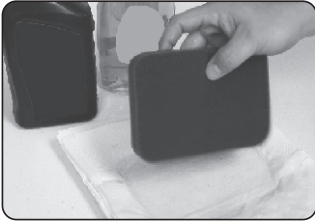
3. Clean out filter casing

Wipe the dirt from inside the empty air cleaner casing.



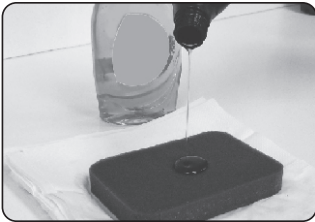
4. Wash cleaner element

Wash the sponge-like elements in household dish detergent and warm water.



5. Dry cleaner element

Pat dry on a dry cloth and allow the elements to dry completely.



6. Add engine oil to elements

Soak the dry elements in a small amount of engine oil. Ring out any excess oil.



7. Replace elements in casing

Replace the sponge-like elements in the air cleaner casing and replace the cover.

MAINTENANCE AND CARE (CONTINUED)

Spark Plug Maintenance



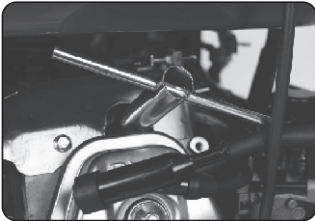
The spark plug is important for proper engine operation. A good spark plug should be intact, free of deposits, and properly gapped.

Improper maintenance may cause reduced fuel economy, misfires, trouble starting, or damage to the spark plug threads.



1. Remove spark plug cap

Pull on the spark plug cap to remove it.



2. Remove spark plug

Unscrew the spark plug from the generator using the spark plug wrench included with this product.



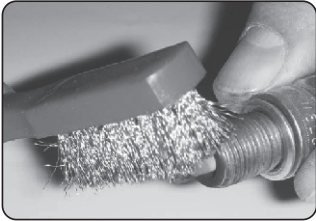
3. Inspect spark plug

Visually inspect the spark plug. If it is cracked or chipped, discard and replace it with a new spark plug. We recommend using an F6RTC spark plug such as NGK BPR6ES.



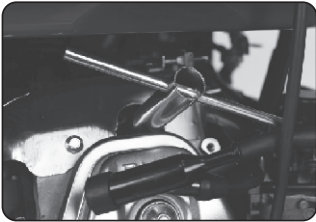
4. Measure plug gap

Measure the plug gap with a gauge. The gap should be 0.7-0.8 mm (0.028-0.031 in).



5. Clean and re-gap

If you are re-using the spark plug, use a wire brush to clean any dirt from around the spark plug base and then re-gap the spark plug.



6. Install spark plug

Screw the spark plug back into its place on the generator using the spark plug wrench.



7. Replace spark plug cap

Replace the spark plug cap.

MAINTENANCE AND CARE (CONTINUED)

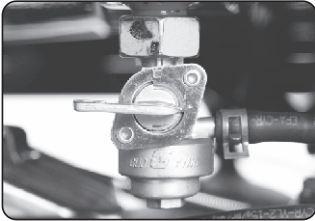
Emptying the Petrol Tank



If you have been using petrol in your generator; before storing your generator for extended periods of time you should drain your generator fuel tank of petrol.

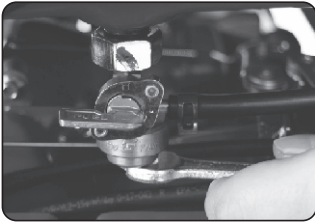


CAUTION: Do not store fuel from one season to another. Petrol sold at the pump today contains additives such as ethanol that even when stored properly may damage the fuel system components.



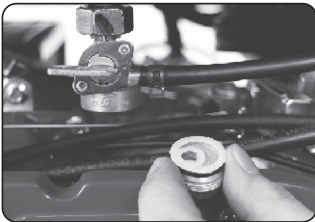
1. Shut off fuel Switch

Turn the fuel Switch to the "OFF" position.



2. Remove fuel filter cup

Remove the fuel filter cup (see "Removing the Fuel Filter Cup" earlier in this section).



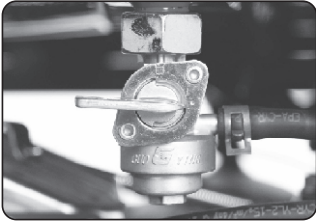
3. Empty fuel filter cup

Empty the fuel filter cup of any fuel.



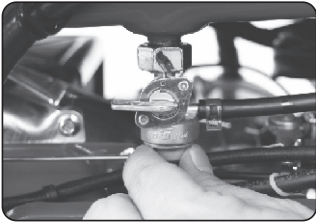
4. Drain petrol from the generator

With a funnel underneath the fuel valve to catch the gas, turn the fuel valve to the “ON” position. Drain all the petrol from the generator.



5. Shut fuel switch off

Turn the fuel switch to the “OFF” position.



6. Replace fuel filter cup

Reinstall the fuel filter cup.



7. Store emptied petrol

Store the emptied petrol in a suitable place and add fuel stabilizer to keep fuel fresh and usable.

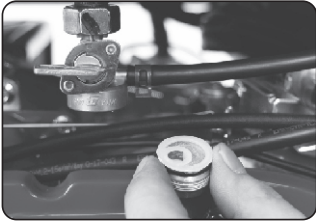
MAINTENANCE AND CARE (CONTINUED)

Cleaning the fuel filter cup



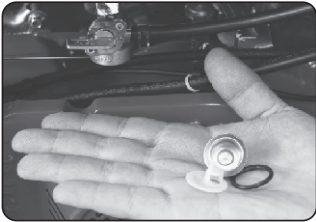
1. Shut fuel switch off

Turn the fuel switch to the "OFF" position.



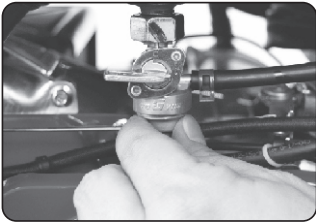
2. Remove fuel filter cup

Unscrew the fuel filter cup from the fuel valve using a wrench.



3. Clean filter cup

Clean the cup of all sediment using a rag or brush.



4. Replace fuel filter cup

Reinstall the fuel filter cup.

Storage and Transportation



CAUTION: Never place any type of storage cover on the generator while it is still hot.

When transporting your generator:

- Empty the petrol tank (see “Emptying the fuel Tank” in the “Maintenance” section).
- Disconnect the spark plug.
- Do not obstruct any ventilation openings & keep the generator in a cool dry area.

Storage Period	Storage Preparation
If you plan on starting the same day.	<ol style="list-style-type: none"> 1. Turn off the main breaker. 2. Allow the unit to run 3 - 5 minutes. 3. Turn off the key. 4. Store.
If you plan on starting the unit again within 30 days.	<ol style="list-style-type: none"> 1. Turn off the main breaker. 2. Allow the unit to run 3 - 5 minutes. 3. Turn off the fuel valve. 4. Allow the unit to stall out. 5. Turn off the key. 6. Add fuel stabilizer to the gas remaining in the tank. 7. Store.
If you do not plan to start the unit for longer than 30 days.	<ol style="list-style-type: none"> 1. Turn off the main breaker. 2. Allow the unit to run 3 - 5 minutes. 3. Turn off the fuel valve. 4. Allow the unit to stall out. 5. Turn off the key. 6. Drain the fuel tank (See “Emptying the fuel Tank” in the “Maintenance” section) 7. Drain the carburetor <ol style="list-style-type: none"> a. Remove the drain bolt from the carburetor. b. Drain the small amount of remaining fuel from the carburetor bowl. 8. Oil the cylinder <ol style="list-style-type: none"> a. Remove the spark plug. b. Put 2 tbsp. of 10w30 motor oil directly into the spark plug hole c. Pull the recoil start one time. d. Replace the plug. 9. Remove the battery and place on tender indoors.

SPECIFICATIONS

AC Rated Wattage	7.5kW/9.3kVA	
AC Surge Wattage	8.0kW/10kVA	
AC Rated Voltage	240V	
AC Rated Frequency	50 Hz	
AC Phase	Single	
DC Voltage	12V	
DC Amperage	8.3A	
Dimensions	LENGTH	780mm
	WIDTH	580mm
	HEIGHT	610mm
Engine Type	4-Stroke OHV Forced-Air	
Ignition System	Non-Contact Transistor	
Displacement	457cc	
Starting Type	Electric/Remote Start	
Fuel Tank Capacity	30L	
Oil Capacity	1.1L	
Run Time @ 50% (Gasoline)	13hr	
Noise Level	<72db	



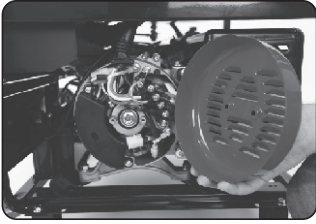
TROUBLESHOOTING

This section of the manual is to help you troubleshoot problems with your generator.

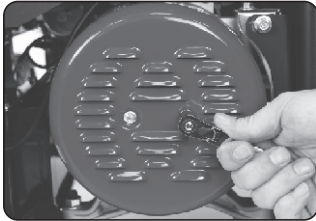
TROUBLESHOOTING

Mode	Description	
Engine will not start	Engine Switch is "Off"	Set engine switch to "run"
	Fuel Switch is "Closed"	Turn fuel Switch to "open"
	Choke is open	Close the choke
	Engine is out of fuel	Add fuel
	Fuel is old or contaminated	Change fuel
	Spark Plug is dirty	Clean spark plug
	Spark Plug is broken	Replace spark plug
	Generator is not level	Move generator to a level surface
	Oil is low.	Add / change oil
Engine runs, but there is no electrical output	Circuit breaker is "Off"	Turn "on" circuit breaker
	Wiring connection is bad	Replace extension cord(s)
	Device connected to generator is malfunctioning	Disconnect malfunctioning device
Generator runs, but does not support all electrical devices connected	Generator is overloaded	Disconnect 1 or more items to reduce the load
	Device connected to generator is bad	Disconnect malfunctioning device
	Air Cleaner is dirty.	Clean / replace the air filter

Changing / Inspecting the Carbon Brushes

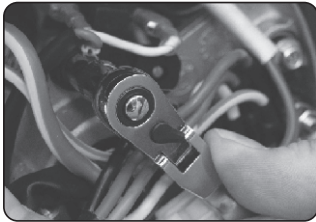


The carbon brushes in conjunction with the AVR regulates power from the generator. The carbon brushes are wearable parts and should be inspected every 250 running hours.



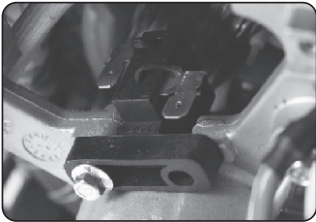
1. Remove generator cover

Remove the 2 bolts of the generator cover then pull the cover off the generator.



2. Remove bolt from brush

Remove the bolt holding the carbon brush.

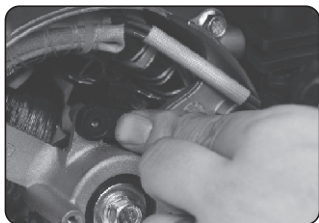


3. Disconnect AVR wires

Remove the two wires from the AVR on the carbon brush

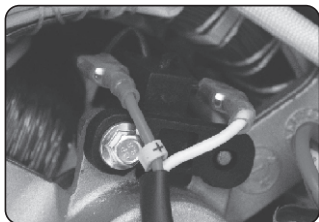
TROUBLESHOOTING (CONTINUED)

Changing / Inspecting the Carbon Brushes (Cont.)



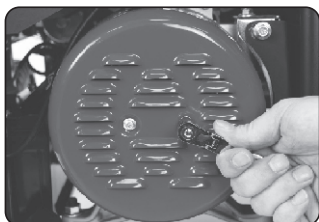
4. Install new brush

Install new carbon brush with bolt.



5. Connect AVR wires

Insert and connect the 2 wires from the AVR, be sure to connect + and - correctly.

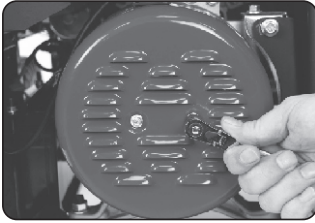


6. Replace generator cover

Replace the back cover of the generator and secure it with the 2 bolts.

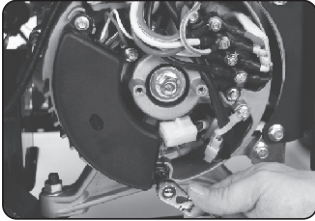
Changing / Inspecting the AVR

The carbon brushes in conjunction with the AVR regulates power from the generator. If the generator is overheated or overloaded, the AVR may be damaged and require replacement.



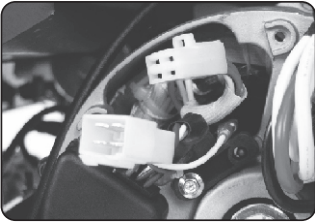
1. Remove generator cover

Remove the 2 bolts of the generator cover then pull the cover off the generator.



2. Remove AVR bolts

Remove the 2 bolts holding the AVR.



3. Disconnect AVR wire clip

Disconnect the wire clip.



4. Disconnect wires from brush

Remove the 2 wires from the AVR on the carbon brush.

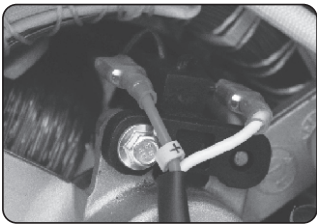
TROUBLESHOOTING (CONTINUED)

Changing / Inspecting the AVR (Continued)



5. Install new AVR

Install the new AVR with the 2 bolts.



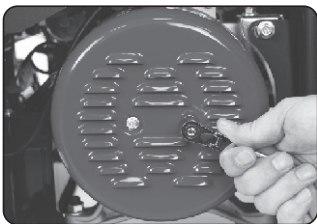
6. Reconnect wires to brush

Insert and connect the 2 wires from the AVR, be sure to connect + and - correctly.



7. Reconnect the AVR wire clip

Reconnect the wire clip.



8. Replace generator cover

Replace the back cover of the generator and secure it with the 2 bolts.

WARRANTY INFORMATION

WARRANTY CONDITIONS

Thank you for purchasing a quality Maxwatt Power product.

Subject to the exclusions set out below.

Maxwatt Power Products PTY Ltd (the "Company") warrants that that this product will be free from defects in materials or workmanship for (2) years or (500) operating hours, whichever occurs first, from the date of original sale (hereinafter the "Warranty Period") in normal domestic applications such as personal, residential household or recreational use from the date of purchase.

A Warranty Period of (2) years or three hundred (300) operating hours, whichever occurs first, shall apply in commercial applications such as income producing, rental or other business-related use. Goods sold to a Consumer with an Australian Business Number shall be deemed as being used in a commercial application.

The Warranty Period is continuous from the date of original sale and does not restart upon the repair or replacement of the Goods or any part thereof.

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.

LIMITED WARRANTY

"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. Upon return – transportation charges shall be borne and prepaid by the Consumer – to the Company's or its nominated dealer's premises within the Warranty Period, the Company shall repair or replace, at its option, any Goods which it determines to contain defective material or workmanship and shall return said Goods to the Consumer free-on-board at the Company's or agent's premises. The repair or replacement work will be scheduled and performed according to the Company's normal workflow and availability of replacement parts.

The Company shall not be obligated, however, to repair or replace Goods which have been repaired by others; abused; improperly installed, operated, maintained, repaired, transported, or stored; not serviced to schedule using genuine spare parts; altered or otherwise misused or damaged in any way. This 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.

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 INFORMATION

EXCLUSIONS TO THIS LIMITED WARRANTY INCLUDE:

Neglect in the periodic maintenance as specified in the owner's manual.

Improper repairs or maintenance including any repairs and or maintenance carried out by a non-accredited service agent.

Operating methods other than those indicated in the owner's manual.

The use of non-genuine parts and or accessories other than those supplied by an accredited service agent.

Normal wear and tear including but not limited to the fading of painted or plated surfaces.

Consumable parts including but not limited to keys, spark plugs, fuel and oil filters, recoil starter ropes, wheels, lubricants, oil, grease, and fuel.

Cleaning adjustments and normal periodic maintenance work including but not limited to cleaning the battery, carburetor, engine oil, fuel tank and injectors.

Overloading resulting in the damage of the circuit breaker, stator and rotor.

Charging and proper maintenance of the battery.

Correct preparation when using the generator for the first time as set out in the owner's manual.

Fire damage because of but not limited to overloading, incorrect installation, incorrect re-fueling and any other causes as set out in the owner's manual.

Damage to any electronic and or electrical appliances connected to the generator.

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

BELOW TABLE OF PARTS THAT ARE LIMITED BY THIS WARRANTY:

PARTS	<u>OUT OF BOX FAILURE (LESS THAN 20 RUNNING HOUR)</u>
STATOR	x
ROTOR	x
CIRCUIT BREAKER	x
IGNITION COIL	x
SPARK PLUG	x
BATTERY	x

*NOTE:

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

WARRANTY INFORMATION

DISCLAIMER OF IMPLIED WARRANTIES

Maxwatt Power Products 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.

Proof of Purchase

It is recommended that you keep a copy of the original tax invoice for your records.

Warrantor

Name: Maxwatt Power Products Pty Ltd

Address: Unit 15/16 1440 New Cleveland Road Chandler 4155





Phone: 0737325363

Email: customercare@maxwatt.com.au




















Web: www.maxwatt.com.au

WARRANTY INFORMATION

Please Note the Following Terms & Conditions.

- 
 — Customer is required to return the generator to the store.
- 
 — The generator will be repaired at no charge to the customer should the fault be deemed a manufacturer defect only.
- 
 — The approximate lead time for repairs is **14 - 21 working days** from the time the generator is received at the Maxwatt Service Center.
- 
 — A copy of the proof of purchase is required when returning the generator for repairs. The warranty is null and void without a copy of proof of purchase.

NOTE: THE FOLLOWING IS EXCLUDED FROM THE MANUFACTURER WARRANTY POLICY.

- 
 — Neglect in the periodic maintenance as specified in the owners / operator's manual.
 - 
 — Operating methods other than those indicated in the owner / operator's manual.
 - 
 — Overloading resulting in the damage to the Inverter / Circuit Breaker / Alternator.
 - 
 — Improper repairs or maintenance carried out.
 - 
 — Normal "wear & tear" due to day-to-day use & operation.
 - 
 — The in-correct installation resulting in the damage to the Inverter / Alternator / Control Panel and remote.
-
- | | | | | | | | |
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WARRANTY INFORMATION



CHECK LIST PRIOR TO SENDING THE GENERATOR IN FOR ASSESSMENT / REPAIR.



Battery

— Ensure that the battery is charged.



Oil

— Ensure that there is the correct amount of oil and that it does not need to be replaced.



Fuel

— Ensure that there is sufficient fuel.



Spark Plug

— Ensure that the spark plug does not need to be cleaned or replaced.



Service

— Ensure that the generator **has been serviced** if it has run for more than 50 hours. Check the owners / operator's manual for information.

