

USER MANUAL

XTM

4x4 ACCESSORIES



3000W CLOSED FRAME INVERTER GENERATOR

XTMCFG3KW
PLU 722264

CONTENTS

Section	Page
Important Information about your new XTM Generator	3
Introduction	4
General safety warnings	4
Specific safety warnings	5 - 6
3000W XTM Generator key features	7
Suggested uses for your XTM Generator	7
Unpacking your XTM generator	7
Packaging Disposal	7
Understanding your XTM generator	8
Components and controls description	8 - 11
Ground (Earth) terminal and stake	11
Pre-start up of your XTM generator	11 - 12
Starting your XTM generator	12 - 13
Using your XTM generator	13
Stopping your XTM generator	13
Maintenance of your XTM generator	14 - 16
Troubleshooting	17 - 18
Storage of your XTM generator	19
Charging 12V DC batteries with your XTM Generator	19
Warranty of your XTM generator	20
Specifications of your XTM generator	21
Notes	22 - 23
SMG Customer Service Department Contact Details	Back Page

IMPORTANT INFORMATION ABOUT YOUR NEW XTM GENERATOR



**ENGINE OIL
IMPORTANT: ADD 4 STROKE
ENGINE OIL (OIL NOT SUPPLIED).**



WARNING! DO NOT OVERFILL

Take extreme care not to overfill with engine oil.
Overfilling will cause damage to the engine.

Your new Generator has been supplied to you WITHOUT engine oil for transportation reasons.

**YOU MUST ADD ENGINE OIL BEFORE
ATTEMPTING TO START THIS
GENERATOR.**

ENGINE OIL CAPACITY: 350ML

**OIL TYPE: 4 STROKE SEMI SYNTHETIC,
FULLY SYNTHETIC OR MINERAL
BASED MOTOR OIL - SAE15W-40 (API SN
CATEGORY)**

- Always check oil level before starting.
- Always use fresh clean oil.
- Always change the oil as indicated in the maintenance schedule table on page 14.
- If contaminated (dirty) or old (stale) oil is used, it may damage the engine and will not be covered under warranty.
- Never check or add oil while the Generator is running.

NOTE:

This Generator is equipped with a 'Low Oil' safety feature preventing the engine from starting or running when the 'amber' warning LED light illuminates.

If the re-coil starter cord is pulled, the Generator WILL NOT start or run, and the 'amber' warning light will illuminate.

Failure to follow the above instructions may result in damage to the engine and/or injury to yourself or others.



**PETROL
IMPORTANT: ONLY USE 91 RON
(Standard Unleaded) PETROL -
NO ETHANOL.**

PETROL TANK CAPACITY: 4.35L

Use of incorrect Fuel/Petrol type or rating, including Ethanol may damage this Generator and will not be covered under warranty.

- Ensure to only use clean and fresh 91 RON Standard Unleaded petrol.
- Use only a clean approved container to store your petrol.
- If contaminated (dirty) or old (stale) petrol is used, may damage the carburettor and will not be covered under warranty.



**ELECTRICAL
IMPORTANT: ALL ELECTRICAL
WORK MUST BE DONE BY AN
AUTHORISED SERVICE AGENT.**

This Generator is fitted with a sealed electrical connection socket that is compatible with this Generator. If the electrical connection socket is damaged, it must be replaced with a compatible assembly that is identical to the original and must be replaced by an Authorised SMG Service Agent.

- Never Connect this Generator to an external power supply.
- Consult with a Licenced Electrician for information regarding the use of the Ground (Earth) Terminal for your particular electrical appliance.

If you experience a problem, potential warranty issue or require any assistance, please contact our Customer Service Department using the contact details at the back of this User Manual.

DO NOT return the Generator to place of purchase.

INTRODUCTION

Thank you for purchasing our XTM Closed Frame Inverter Generator. We recommend that you take the time to check and see that the packaged contents, including related accessories are all accounted for. It will also be a good opportunity to visually check for obvious damage or problems with the Generator while unboxing.

This User Manual provides informative information on safety, functions, maintenance, included accessories and other key points to allow for safe and trouble-free use.

We take utmost care to ensure that all our Generators pass our rigorous and extensive quality assurance process before delivery.

However, in the unlikely event that you should experience a problem, require assistance, or have a potential warranty issue, we are here to help. Please do not hesitate to contact us by calling our Customer Service Department using the contacted details at the back of this User Manual. Do not return the Generator to place of purchase as they will not be able to assist you as efficiently as we can.

Note, due to continual product development, product images may differ slightly to what is shown.

GENERAL SAFETY WARNINGS

Before attempting to start and/or operate your new XTM Generator, the following basic safety precautions should be taken into consideration to eliminate the possible risk of Fire, Electric shock and Personal injury.

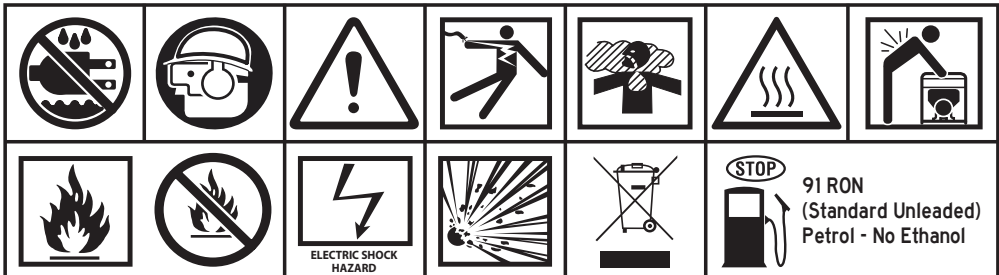
It is very important for you to fully read and understand this User Manual to make yourself familiar with all features and functions of your new XTM Generator.

This User Manual also highlights guidelines, limitations, and potential hazards associated with this Generator before, during and after use.

The User Manual is designed with safety in mind, for yourself, others, and to ensure a long trouble-free service life.

If for any reason, you do not fully understand the contents of this User Manual or require clarification regarding the features or safety, please do not hesitate to contact Customer Service via the contact details at the back of this User Manual.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instructions concerning the use of this appliance by a person responsible for their safety.



SPECIFIC SAFETY WARNINGS

WARNING!

Do not use the generator in areas where there is a risk of explosion or fire from combustible materials. The sparks possibly caused when using this generator may ignite combustible materials as well as flammable liquids, paint, varnish, petrol, flammable gases and dust of an explosive nature. As a precaution it is recommended that you consult an expert on a suitable fire extinguisher and its use. Ensure that the work area is kept clear of combustible materials.

WARNING!

Petrol is dangerous and can be fatal if inhaled or ingested. Always wear approved Personal Protective Equipment (PPE), Eye, Breathing and Hand protection as a minimum when decanting or refuelling. Ensure that petrol does not contact your skin or clothing, wash effected area immediately with soap and water. Change clothes, if necessary, soak and wash as soon as possible.

If petrol comes in contact with your eye/s, flush immediately with clean water and seek medical treatment.

If petrol is accidentally ingested, DO NOT induce vomiting, seek urgent medical treatment by calling 000.

WARNING!

Do not use the generator indoors or in confined spaces where exhaust gases, smoke or fumes could reach dangerous concentrations.

WARNING!

Do not attempt to modify the generator in any way; this will VOID your warranty.

The use of any attachment or accessory other than those recommended in this user manual could result in damage to the generator and could cause injuries to the operator.

This petrol generator complies with Australian / New Zealand and International Standards including safety requirements. Repairs should only be carried out by qualified persons using original spare parts. Failure to do so may result in considerable danger to the operator.

- Do not connect this Generator in parallel to a second or multiple Generators.
- Do not connect this Generator to a commercial or domestic power supply or grid.
- Do not pull the re-coil starter cord while the engine is already running.
- Do not start or stop the Generator with an appliance power lead connected.
- Do not attempt to modify or tamper with this Generator, safety guards, parts or accessories in any way, as this may cause personal injury and or damage to this Generator.
- Do not touch the exhaust, as the exhaust will become very hot during use, possibly causing severe burns.
- Do not operate this Generator within one metre (1m) of buildings, other equipment, pedestrian areas, and flammable materials, as the Generator will become hot during use.
- Do not refuel while smoking or in the vicinity of an open flame.
- Do not operate or store this Generator on its side.
- Do not attempted to adjust the engine settings or speed. These setting are factory set, and if changed, could endanger the user and damage the Generator and or the attached appliances.
- Do not operate this Generator with wet hands or in damp, wet, flooded or adverse weather conditions, as these may cause an electric shock which could be fatal.
- Do not operate this Generator on or within two metres (2m) of highly conductive surfaces for example, steel walkway, roof, or bench, as doing this may cause an electric shock which could be fatal if a failure of the Generator were to occur.
- Do not operate this Generator on fire restricted or total fire ban days. Contact your local fire authority for further information.

SPECIFIC SAFETY WARNINGS (CONTINUED)

- Always carefully follow the maintenance guidelines outlined within this User Manual.
- Always use this Generator in an open and well-ventilated area.
- Always check this Generator for damage, fluid leaks, abnormalities prior, during and after use, repair immediately.
- Always stop the Generator and make safe (cool down) before carrying out any cleaning, servicing or repairs.
- Always wear appropriate Personal Protection Equipment (PPE) while operating, refuelling or decanting. Eye, Ear, Breathing and Hand protection as a minimum.
- Always cleanup spilt petrol and or oil before attempting to start this Generator, as this potentially could be a fire hazard.
- Always have a suitable (in date) working fire extinguisher available. Contact your local fire authority for further information on the 'Chemical Type' best suited for your application if necessary.
- Always operate or store this Generator in an upright position, on firm level ground and on all four feet.
- Always immediately switch 'OFF' this Generator upon observing unfamiliar sounds or vibration, investigate the possible cause/s and or contact our Customer Service Department for advice.
- Always locate this Generator as close as possible to the work being done, avoid the use of excessively long extension leads. If an extension lead is used, ensure its laid clear of any obstruction and in a place that will eliminate damage or being a trip or falling hazard.
- Always observe and adhere to all safety procedures and precautions while using appliances with this Generator.
- Always ensure that the petrol tank is empty before transporting.
- Always ensure that the applied loads are within the specified rating of this Generator. Continually overloading of this Generator will cause damage and shorten the service life voiding warranty.
- Always consult with a Licenced Electrician for information regarding the use of the Ground (Earth) Terminal for your particular appliance application.
- Always ensure that a stored Generator is kept out of reach from children.
- Always ensure that children and pets are at a safe distance away from a working/running Generator.
- Always ensure that the Generator petrol cock (if fitted), is turned 'OFF' when not in use. Leaving the petrol cock 'On' could damage the carburettor.
- Always ensure that the Generator filler cap air vent (if fitted), is turned 'OFF' when not in use. Leaving the air vent 'On' will allow petrol to leak and fumes to escape, also petrol evaporation over time.
- Always ensure that the handles are clean and free from oil and grease.
- Always ensure that all ventilation slots are clear and free from obstruction at all times. Blocked ventilation slots can cause overheating and potentially damage the engine.
- Always inspect and maintain the air and petrol filters regularly, clean when necessary.
- Always inspect extension leads periodically and replace if damaged. Never use a damaged extension lead as these may cause injury.
- Always fully unwind any extension lead fully before plugging into the Generator
- Always protect your extension lead or reel from sharp objects, excessive heat, damp conditions or wet locations.
- Always use a '3' core extension leads or reels with this Generator.
- Always use heavy duty extension leads intended for and marked 'outdoor' use, which are no longer than 20m.
- Always disconnect the appliance power lead or extension lead from the Generator power supply socket by pulling the plug, never pull on the lead.

3000W XTM GENERATOR KEY FEATURES

- Engine Capacity, 149.2CC 4-Stroke, Single Cylinder
- Pure Sine Wave Inverter Technology
- Transistor Controlled Ignition (TCI)
- 230V-240V AC-50HZ Rated Voltage
- 2800W Rated Output
- 3000W Rated Output (Maximum)
- 2 X 240V AC Socket (Output)
- 1 X 12V DC Socket (Output)
- 2 X (Twin) USB Ports (Output)
- Overload Protection
- Low Engine Oil Protection
- Recoil Pull Start
- 4.35L Petrol Tank Capacity
- 77dB at 7m (Approximate at Full Load)

SUGGESTED USES FOR YOUR XTM GENERATOR

Here are some suitable appliances which can be powered by your XTM Generator:

- Laptop
- Television
- DVD/Video player
- AC/DC Camping fridge
- AC/DC Lighting
- Power tool recharging
- Mobile phone or tablet recharging
- Cooking appliance

Note: Up to a maximum of 2800W for an individual appliance or multiple appliances being used at the same time.

UNPACKING YOUR XTM GENERATOR

Carefully open the product carton and remove all contents. Lifting the Generator out of the carton may be awkward, so best to get assistance from another capable person.

Remove accessories from individual packaging and discard/recycle all packaging materials, including the product carton appropriately.

Visually inspect your XTM Generator for any obvious damage and ensure that all the components are included as per 'Understanding your XTM Generator' on page 8.

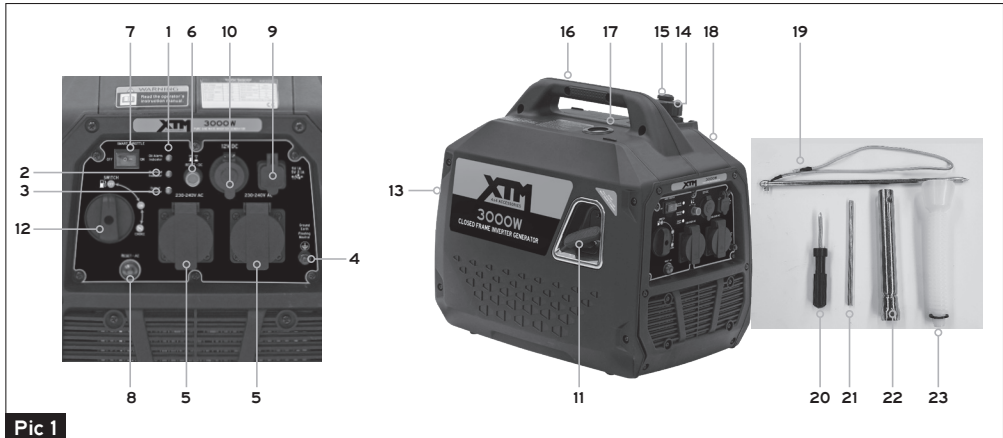
This XTM Generator comes fully assembled, except for the engine oil. Refer to page 3 for correct engine oil type and quantity.

Contact our Customer Service Department (details at the back of this user manual) if there is a problem.

PACKAGING DISPOSAL

This packaging has been designed to be as kerbside recyclable as possible in Australia and New Zealand. Please follow recycling instructions on the box for all elements of your packaging.

UNDERSTANDING YOUR XTM GENERATOR



Pic 1

- | | |
|--|---|
| <ol style="list-style-type: none"> 1. Low Oil Warning Indicator (Amber) 2. Overload Warning Indicator (Red) 3. Output (Power) Indicator (Green) 4. Ground (Earth) Terminal 5. 240V AC Socket Output (3 Pin) 6. Reset Push Button (DC) 7. Smart Throttle Switch 8. Reset Push Button (AC) 9. 5V DC USB Port Output 10. 12V DC Cigarette Socket Output 11. Recoil Starter Grip and Cord 12. 3 in 1 Switch - CHOKE (Initial Starting), 'ON' (Run) 'OFF' (Engine & Petrol) | <ol style="list-style-type: none"> 13. Spark Arrestor (rear of exhaust, not shown) 14. Petrol Cap 15. Air Vent Lever ('ON'/'OFF') 16. Engine Oil Filler Cap Access Panel (not shown) 17. Spark Plug Access Panel 18. Air Filter Access (remove side cover, not shown) 19. Grounding (Earth) Stake 20. Screwdriver 21. Spark Plug Tube Socket Handle 22. Spark Plug Tube Socket 23. Petrol Filling Funnel |
|--|---|

COMPONENT AND CONTROLS DESCRIPTION

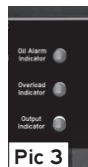


1. Low Oil Warning Indicator (Amber)

As soon as the engine oil falls below the acceptable level, the Low Oil Warning Indicator will illuminate, indicating insufficient oil, and the engine will stop automatically.

Engine oil must be added before the engine will restart again. Refer to page 3 for refilling instructions.

Tip: If the engine stalls or does not start, rotate the 3 in 1 'Switch' to the 'ON' position (12) and then pull the 'Recoil Starter Grip' (11). If the Indicator flickers momentarily, the engine has insufficient oil. Add oil and restart.



2. Overload Warning Indicator (Red)

The Overload Warning Indicator will illuminate, if the inverter controller overheats or if the attached AC voltage exceeds the maximum output limit.

The AC circuit protection will automatically activate, stopping AC power generation, in order to protect the Generator and any connected electrical appliances.

The Output (Power) Indicator (Green) will turn off, and the Overload Warning Indicator will stay on however, the engine will continue running without producing AC power.

When the Overload Warning Indicator illuminates and AC power generation stops, proceed as follows:

1. Turn off any connected electrical appliances and rotate the 3 in 1 Switch (12) to the 'OFF' position
2. Reduce the total wattage of connected electrical appliances to be within the rated output.
3. Check for blockages in the cooling air inlet and around the control unit. If any blockages are found, clear or remove.
4. Complete all of the above and restart the engine.

Tip: The Overload Warning Indicator may illuminate momentarily when using electrical appliances that require a large starting current, such as a compressor or a submergible pump. This is not a malfunction and will extinguish once the appliance is running.



3. Output (Power) Indicator (Green)

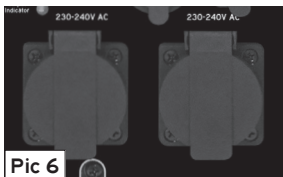
The Output (Power) Indicator will illuminate when the engine is running and producing AC power.



4. Ground (Earth) Terminal

The Ground (Earth) Terminal connects to a length of electrical cable and metal stake (19), which is then inserted into the soil to earth/ground the appliance. Before using the Ground (Earth) Terminal, it is advisable to consult with a Licenced Electrician for information regarding the use of the Ground (Earth) Terminal for your particular electrical appliance.

Note: The XTM Generator is Floating Neutral. See heading 'GROUND (EARTH) TERMINAL and STAKE' on page 11 for more information.



5. 240V AC Socket Outputs

The two 240V AC Socket Outputs are the connection points for the AC appliances power leads or for extension leads. Ensure not to start or stop the Generator with an appliance/s power lead/s connected.



6. Reset Push Button (DC)

The Direct Current (DC) circuit breaker Button will activate automatically to the 'OFF' position when the DC appliance connected to the Generator exceeds the current rating.

To Reset, simply push the Button to turn that appliance back on.

- 1 - 'ON' Current output is active.
- 2 - 'OFF' Current output is deactivated.

If the DC circuit breaker Button activates again, it may be necessary to reduce the load of the connected DC appliance.

The DC circuit breaker Button will also activate if the DC appliance is defective.



7. Smart Throttle Switch

When the Smart Throttle Switch is turned to the 'ON' position, your Generator will use less petrol and be quieter by regulating engine speed to coincide with the load demand. However, only switch 'ON' when load of less than 900W is required.

If the load required is greater than 900W, switch to the 'OFF' position. The engine speed will remain constant to cope with the greater load demand.

Also, when starting and stopping your Generator always ensure that the Smart Throttle Switch is in the 'OFF' position.



8. Reset Push Button (AC)

The Alternating Current (AC) circuit breaker Button will activate automatically to the 'OFF' (Out) position when the AC appliance connected to the Generator exceeds the current rating.

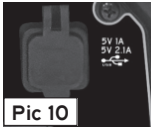
To Reset, simply push the Button to turn that appliance back on.

- 1 - 'IN' Current output is active.
- 2 - 'OUT' Current output is deactivated.

If the AC circuit breaker Button activates again, it may be necessary to reduce the load of the connected AC appliance.

The AC circuit breaker Button will also activate if the AC appliance is defective.

UNDERSTANDING YOUR XTM GENERATOR (CONTINUED)



9. 5V DC USB Port Output

1 x USB-A 5V-1A and USB-A 5V-2.1A Port Output for charging mobile phones, tablets or powering LED lights and other devices with this type of matching plug up to DC-10W, 5V-2.1A.



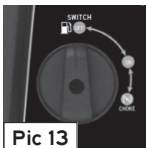
10. 12V DC Cigarette Socket Output

1 x 12V DC Cigarette Socket Output for powering various devices with this type of matching plug up to DC-100W, 12V-8.3A.



11. Recoil Starter Grip and Cord

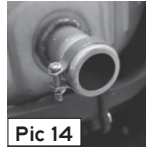
Used to start the Generator engine by pulling the Starter Grip.



12. 3 in 1 Switch - CHOKE (Initial Starting), 'ON' (Run) 'OFF' (Engine & Petrol)

The 3 in 1 Switch is rotated to the 'CHOKE' position for initial engine start (Cold Start), then rotated to the 'ON' position once the engine is running to provide electrical power. To stop the engine, and cut-off the petrol supply, rotate to the 'OFF' position.

If the Generator has been previously working and is still warm, and you are wanting to restart (Warm Start), simply rotate the switch to the 'ON' position and pull the recoil starter grip.

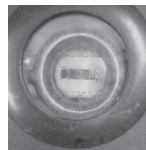
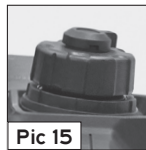


13. Spark Arrestor

The purpose of the Spark Arrestor is to prevent hot sparks and flammable particles from exiting the exhaust system which could potentially start a fire. Usually made from fine aperture stainless steel mesh, and therefore requires periodic inspection, and cleaning to prevent blockage.

To gain access to the Spark Arrestor, the entire rear cover will have to be removed.

Using a screwdriver, unscrew the 6 retaining screws around the perimeter of the rear cover. Gently prise away the rear cover from the main body, starting at the top corner. Once removed, the Spark Arrestor and fastening clamp will be visible. Reverse these instructions to refit the rear cover ensuring that it is correctly positioned before tightening the 6 perimeter retaining screws.



14. Petrol Cap

Unscrew and remove the Petrol Cap (Anti-clockwise) to add the recommended Petrol grade, ensuring not to fill above the RED maximum indicator line. At the same time, observing the petrol gauge to indicate the petrol level in real-time. Refit the Petrol Cap and tighten.



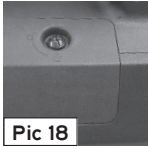
15. Air Vent Lever (On/Off)

The Air Vent allows air to be drawn in at the same time as the Petrol is being depleted. Rotate to the 'ON' position when the Generator is in use and rotate to the 'OFF' position when the Generator is not in use, this will stop petrol fumes from escaping or leakage from occurring.



16. Engine Oil Filler Cap Access Panel

Using a screwdriver, rotate the screw clockwise to loosen the cam-lock. Removing this panel will expose the Engine Oil Filler Cap. Reverse these instructions to refit the panel.



17. Spark Plug Access Panel

Pic 18

Using a screwdriver, rotate the screw clockwise to loosen the cam-lock. Removing this panel will expose the Spark Plug and Lead. Reverse these instructions to refit the panel.



18. Air Filter Access

Pic 19

To gain access to the Air Filter, the entire side cover will have to be removed.

Using a screwdriver, remove the Spark Plug access panel (17) as above. Then unscrew the 4 retaining screws on each corner of the side cover. Gently prise away the side cover from the main body, starting at the top corner. Once removed, the air filter cover will be visible. Reverse these instructions to refit the side cover ensuring that it is correctly positioned before tightening the 4 corner retaining screws.



Pic 20

19. Grounding (Earth) Stake

Connects to the Ground (Earth) Terminal (4) and inserted into soil to earth/ground the appliance.

Note: See the following heading, 'GROUND (EARTH) TERMINAL and STAKE' for more information.

GROUND (EARTH) TERMINAL AND STAKE

This XTM Generator is Floating Neutral. It is also fitted with a Ground (Earth) Terminal (4) and supplied with a Ground (Earth) Stake (19) for appliances requiring grounding for electrical safety in preventing an electric shock.

It is strongly recommended that you consult with a Licenced Electrician to establish the electrical category of your appliance/s.

Your electrical appliance/s will be either; Class 1 or Class 2 and by knowing this information will determine if the connection of the Ground (Earth) Stake (19) is required.



IMPORTANT: To ensure full safety protection, ALWAYS connect the Ground (Earth) Stake (19).

PRE-START UP OF YOUR XTM GENERATOR

Once you have inspected your new XTM Generator and accessories after unpacking, it's now time to prepare for use.

Add: **ONLY 4 Stroke Engine Oil (Not Supplied)**



WARNING! DO NOT OVERFILL

Take extreme care not to overfill with engine oil. Overfilling will cause damage to the engine.

How to check the oil level:

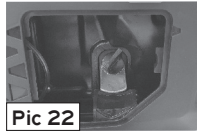
- Unscrew, then remove the Oil Filler Cap/Dip Stick from the crank case and wipe clean with a cloth. (Pic 22)
 - Reinsert the Oil Filler Cap back into the crank case and remove it again, without screwing back into place.
- Important:** DO NOT screw the Oil Filler Cap fully back into place when checking the oil level.
- The recommended oil level should be in the middle of the 'H' and 'L' marks on the dip stick. (Pic 23)

Always use clean fresh oil as specified on page 3.

If incorrect, contaminated (dirty) or old (stale) oil is used, it may damage the engine and will not be covered under warranty.

PRE-START UP OF YOUR XTM GENERATOR (CONTINUED)

1. Ensure that the Generator is on a flat level surface.
2. If the Generator has been previously used and you are just checking or replenishing the oil, ensure that the engine is not running and the 3 in 1 Switch (12) is in the 'OFF' position.
3. Using a screwdriver, loosen the Engine Oil Filler Cap Access side Panel (16) screw to open the panel and gain access to the Oil Filler Cap (Pic 21 & Pic 22).

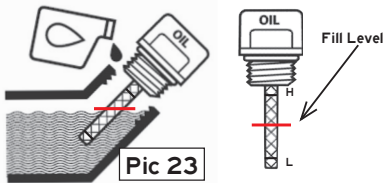


4. Unscrew the Oil Filler Cap (Pic 22) and add 350ml (approximately) of 4 stroke semi synthetic, fully synthetic or mineral based motor oil - SAE15W-40 (API SN Category).

Fill with oil until the level reaches the middle of the 'H' and 'L' marks on the dip stick. (Pic 23)

Ensure not have the Generator on an angle. For ease of filling, use a funnel or automotive liquid syringe.

Note: While filling, periodically check to ensure that the oil level does not exceed the dip stick 'H' (High) mark. Overfilling will cause damage to the engine.



5. Refit the Oil Filler Cap and tighten, while being careful not to cross-thread or damage the Cap. Wipe away any excess or spilt oil before replacing the access side panel.
6. Refit the Engine Oil Filler Cap Access side Panel (16) and retighten the screw using a screwdriver.

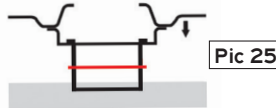
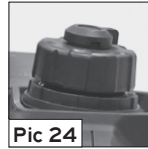
Note: Although the Generator is supplied without engine oil, there may be a small amount of engine oil residue from factory testing. This residue may prevent the entire 350ml from being added. Fill with oil until the level reaches the middle of the 'H' and 'L' marks on the dip stick. (Point 4).

Add: ONLY 91 RON (Standard Unleaded) Petrol - No ETHANOL

Always use clean fresh petrol as specified on page 3.

If incorrect, contaminated (dirty) or old (stale) petrol is used, may damage the carburettor and will not be covered under warranty.

1. Ensure that the Generator is on a flat level surface.
2. If the Generator has been previously used and you are just checking or replenishing the petrol, ensure that the engine is not running and the 3 in 1 Switch (12) is in the 'OFF' position.
3. Unscrew the Petrol Cap (14) and add 4.35L (approximately) of 91 RON (Standard Unleaded) Petrol - No ETHANOL (Pic 24).
4. Fill until the Petrol reaches the RED maximum indicator line within the filter basket (Pic 25).



5. Refit the Petrol Cap and tighten. Wipe away any excess or spilt petrol before attempting to start the engine.
6. To drain the petrol, refer to page 16.

If you have not already done so, relocated your XTM Generator away from the refuelling area and as close as possible to the worksite (Outdoors) and on a flat, level and firm surface.

STARTING YOUR XTM GENERATOR

Now that your new XTM Generator has Petrol and Engine Oil, it's now ready to start.

1. Ensure that all appliance/s power leads and extension leads are unplugged from the Generator.
2. Ensure that the Smart Throttle Switch (7) is in the 'OFF' position.
3. Rotate the Air Vent Lever (15) to the 'ON' position.
4. Rotate the 3 in 1 Switch (12) to the 'CHOKE' position.
5. Secure the Generator with one hand by holding the top handle, while at the same time, hold the Starter Grip (11) with your other hand. Pull the Starter Grip slowly to extract the cord until resistance is felt, then pull rapidly to start the engine.
Important; Retract the cord in a controlled manor, do not let the Starter Grip 'Snap' back.
6. Once started, allow the engine to run for about 10-15 seconds to reach full speed. Then slowly rotated the 3 in 1 Switch (12) to the 'ON' position.

Note: The engine may not start first time and may take several attempts. Simply repeat this step to start the engine. If excessive attempts are needed, there may be another underlying problem.

7. Visually check to see if the green Output (Power) Indicator (3) is illuminated. If illuminated, your new XTM Generator is ready for use.

Note: The 'Green' Output (Power) Indicator (3) will remain illuminated in a normal operating condition. If the 'Green' Indicator (3) goes out, and either the 'Amber' (1) or 'Red' (2) Indicator illuminates would indicate a 'Low' oil or 'Overload' fault.

8. Confirm that the wattage consumption of the appliance/s are within the rated output of the Generator before connecting the power lead/s to the 240V AC Socket Output (5), the 12V DC Cigarette Socket Output (10) or the 5V DC USB Port Output (9).
9. Turn the appliance/s 'ON' at its switch and monitor the Generator for any abnormalities before leaving the Generator unattended.

WARNING!

Never pull the recoil starter cord once the engine has started. Any damage caused will not be covered under warranty.

WARNING!

Before connecting the appliance/s power lead/s, ensure that the total load or combined total loads does not exceed the rated output of the Generator.

Ensure that the appliance/s power leads or extension leads are of adequate length to reach the Generator without applying undue strain on the lead/s and laid in such a way not to become damage.

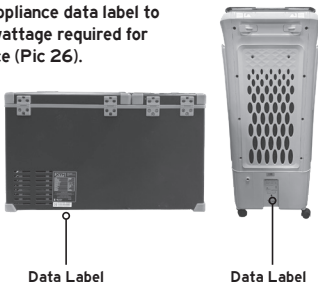
USING YOUR XTM GENERATOR

Your XTM Generator is equipped with various Output Sockets to power a range of AC/DC appliances provided the maximum combined wattage is within the 2800W rated limit of this Generators output.

NOTE: The peak (surge) power requirements of some appliances e.g. Fridges, Televisions, etc; can be up to seven times greater than their rated (continuous) power.

Ensure not overload your Generator by confirming peak (surge) power required for these appliances.

Locate the appliance data label to confirm the wattage required for each appliance (Pic 26).



Pic 26

Data Label

Data Label

The table below, lists common appliances that can be used with your XTM Generator.

NOTE: When using multiple appliances, only start one appliance at a time.

Appliance	Approx Start W	Approx Run W
Light Bulb, LED	5-20W	5-20W
Light Bulb, (Incandescent)	20-100W	20-100W
Halogen Lights	50-600W	50-500W
Smart Phone/ Tablet Charger	100W	100W
Pedestal Fan	120-150W	40-100W
Flat Screen TV 24"	200W	200W
Laptop Computer	200-300W	100-200W
Bar Fridge up to 60L	500-700W	200-350W
Flat Screen TV 46"	600-800W	600-800W
Toaster 2 Slice	850-1000W	850-1000W
13mm Impact Drill	900-1200W	600-750W
Coffee Maker	900-1800W	600-1200W
Kettle	1400W	1400W
Electric Frypan	1500-2000W	1500-2000W
Toaster 4 Slice	1600-2200W	1600-2200W
Microwave Oven	1800W	1500W

Note: Before connecting the appliance/s power lead/s, ensure that the total load or combined total loads does not exceed the rated output of the Generator.

STOPPING YOUR XTM GENERATOR

1. Turn the appliance/s 'OFF' at its switch.
2. Unplug all appliance/s or extension power lead/s.
3. Ensure that the Smart Throttle Switch (7) is 'OFF'.
4. Rotate the 3 in 1 Switch (12) to the 'OFF' position.
5. Rotate the Air Vent Lever (15) to the 'OFF' position.

WARNING!

Never stop your Generator with the appliance/s power leads or extension leads connected.

In case of an emergency, rotate the 3 in 1 Switch (12) to the 'OFF' position to stop the Generator.

Note: avoid doing this in a non-emergency situation, as damage to the Generator or appliance could occur.

MAINTENANCE OF YOUR XTM GENERATOR

To ensure a safe, long and trouble-free service life, your XTM Generator must be properly and regularly maintained.

The below table outlines the recommended periodic service scheduling that should be followed to keep your Generator in good working condition.

Please follow this maintenance schedule and routine inspection procedures carefully.

Frequency Items		Pre - operation (daily)	First month or first 20hrs of operation	Every 3 months or every 50hrs of operation	Every 12 months or every 100 hrs of operation
Engine Oil	Inspect & refill if necessary	●			
	Replace		●	●	
Exhaust	Inspect for leaks & loose fittings	●			
	Clean spark arrestor			●	
Air Filter	Inspect	●			
	Clean		●		
	Replace			●	
Carburettor	Inspect switch & choke operation	●			
Spark Plug	Inspect & adjust if necessary				●
	Replace	Every 12 months or 250 hours of operation			
Idling*	Inspect & adjust if necessary				●
Valve Clearance*	Inspect & adjust if necessary				●
Petrol Filter	Clean & replace if necessary			●	●
All Fittings & Fasteners	Visually inspect & tighten	●			
Petrol Line	Visually inspect & tighten if necessary	●			

* These items should be maintained and repaired by an SMG Authorised Service Agent.

If you require Service Assistance, please call our Customer Service Department using the contacted details at the back of this User Manual.

INSPECT / CLEAN THE AIR FILTER

For proper performance and long life, ensure to keep the air filter/s clean.

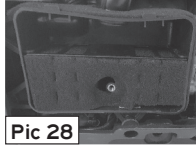
To inspect;

1. Remove the entire side cover (18), see page 11 for instructions.
2. Loosen and remove the air filter screw to remove the air filter cover (Pic. 27).
3. Remove the foam filter from the filter box (Pic. 28).
4. Inspect the foam filter, and if dirty, clean with warm, soapy water. Rinse and let dry.
5. Apply a light coat of engine oil to the foam filter, then gently squeeze to remove any excess oil.
6. Refit the foam filter into the air filter box, ensuring the correct orientation.
7. Refit air filter cover and screw, then retighten.
8. Refit the entire side cover (18), see page 11 for instructions.

NOTE: Do not run the Generator without the air filter in place. Rapid engine wear will result.



Pic 27



Pic 28

INSPECT / CLEAN THE SPARK PLUG

Ensure that the spark plug electrode gap is properly set, maintained, and free from carbon deposits for the engine operate efficiently.

To inspect;

1. Remove the spark plug access panel (17), see page 11 for instructions.
2. Remove the spark plug power lead cap (Pic 29).
3. Clean away any foreign matter from around base of the spark plug.
4. Unscrew (anticlockwise) and remove the spark plug using tube socket and handle provided (21/22).
5. Visually inspect the spark plug for damage, clean with a wire brush and check the electrode gap before reinstalling. If the (white) insulator is cracked or chipped, the spark plug should be replaced.

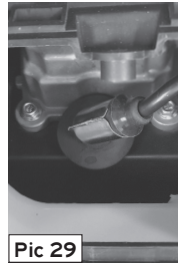
NOTE: If replacing, the following specified, or its equivalent spark plug should be used: NGK CR6HSA - 0.7mm electrode gap

6. Refit and screw (clockwise) the spark plug back in by hand until seated, avoid cross-threading or damaging thread of the cylinder.

7. Using tube socket and handle provided (21/22) and tighten as follows:

If the spark plug is new, use an additional 1/2 turn, or if reusing old spark plug, use an additional 1/8 to 1/4 turn to properly compress the sealing washer. Note: Spark Plug tightening torque - 20Nm

8. Refit the spark plug power lead cap.
9. Refit the spark plug access panel (7), see page 11 for instructions.



Pic 29

! WARNING!

Ensure that the Spark Plug is tightened correctly. A loose Spark Plug and potentially overheat causing damage to the engine. An overtightened Spark Plug can potentially damage the thread within the engine casting.

INSPECT / CLEAN SPARK PLUG ARRESTOR

! WARNING!

The engine and exhaust will be very hot. Avoid touching with any part of your body or clothing. Allow sufficient time for the engine and exhaust to cool before conducting any inspection or repair.

Never run your Generator without the Spark Arrestor fitted. Exiting sparks can potentially cause a grass fire.



Pic 30

Ensure that the Spark Arrestor is regularly maintained, and free from carbon deposits for the engine operate efficiently.

To inspect;

1. Remove the rear cover, see page 10 for instructions.
2. Locate the Spark Arrestor fastening clamp screw.
3. With a screwdriver, loosen the fastening clamp screw. Take note of the orientation and carefully remove the Spark Arrestor.
4. Visually inspect for blockage or damage and places if necessary.
5. Carefully clean with a fine wire brush to remove any carbon build-up.
6. Refit the Spark Arrestor, ensuring the correct orientation and tighten the fastening clamp screw.
7. Refit the rear cover, see page 10 for instructions.

DRAINING THE PETROL TANK

1. Rotate the 3 in 1 Switch (12) to the 'OFF' position.
2. Rotate the Air Vent Lever (15) to the 'OFF' position.
3. Unscrew the Petrol Cap (14) and remove the strainer.
4. Using a hand siphon, transfer the Petrol into an approved Fuel/Petrol container until the Petrol Tank is empty.
5. Refit the strainer and Petrol Cap (14).



WARNING!

Petrol is dangerous and can be fatal if inhaled or ingested.

Always wear approved Personal Protective Equipment (PPE), Eye, Breathing and Hand protection as a minimum when decanting or refuelling.

Ensure that petrol does not contact your skin or clothing, wash effected area immediately with soap and water. Change clothes, if necessary, soak and wash as soon as possible.

If petrol contacts your eye/s, flush immediately with clean water and seek medical treatment.

If petrol is accidentally ingested, DO NOT induce vomiting, seek urgent medical treatment by calling 000.

DRAINING THE CARBURETTOR

1. Drain the Petrol Tank, see page 16 for instructions.
2. Remove the entire side cover (18), see page 11 for instructions.
3. Locate the Carburettor clear drain tube (Pic 31).
4. Remove (gently pull) the lower end of drain tube out from the base moulding and place into a fuel safe container.
5. Loosen the drain screw (do not remove completely), located at the base of the Carburettor to empty the petrol bowl, and discard the petrol responsibly.
6. Retighten the drain screw, replace the lower end of the drain tube back into the base moulding.
7. Refit the entire side cover (18), see page 11 for instructions.



8. Alternatively, for long term storage, empty the petrol tank and run the engine until it stalls, this will ensure that all remaining petrol is removed from the carburettor.

DRAINING THE ENGINE OIL

1. Ensure that the Generator is on a flat level surface.
2. Start and run the Generator for several minutes to warm the existing oil for easier flow.
3. Rotate the '3 in 1 Switch' (12) is in the 'OFF' position.
4. Remove the Engine Oil Filler Cap Access side Panel (16), see page 10 for instructions.
5. Unscrew the Oil Filler Cap, ensuring that the O-ring is still in place.
6. Place an oil pan under the Oil Filler opening and gently 'tilt' the Generator on a slight angle to drain the oil until empty. Note: Do not tilt quickly or excessively.
7. Inspect the Oil Filler Cap and O-ring for damage, replace if necessary.
8. Refit the Oil Filler Cap and tighten. Wipe away any excess or spilt oil before replacing the access side panel.
9. Refit the Engine Oil Filler Cap Access side Panel (16), see page 10 for instructions.

CLEANING THE PETROL TANK STRAINER

1. Rotate the 3 in 1 Switch (12) to the 'OFF' position.
2. Rotate the Air Vent Lever (15) to the 'OFF' position.
3. Unscrew the Petrol Cap (14) and remove the strainer.
4. Clean the strainer with a soft brush, then rinse with fresh petrol.
5. Gently pat dry with a lint free cloth.
6. Inspect for damage and replace if necessary.
7. Refit the strainer and Petrol Cap (14) and tighten securely.

CARBURETTOR ADJUSTMENT

Carburettor service, tuning or idle adjustment, should only be done by a qualified service agent. It is extremely important that the engine operates in the optimum condition, not only for efficiency, but also to reduce the impact on the environment by not emitting excessive exhaust emissions.

Please call our Customer Service Department using the contacted details at the back of this User Manual.

TROUBLESHOOTING

Engine will not start		
Possible Cause	Check	Correction
Petrol	Out of petrol	Refill with fresh petrol
	Contaminated or stale petrol	Drain and refill with fresh petrol
	Air vent lever is 'OFF'	Rotate to 'ON' to allow venting
	3 in 1 Switch	Rotate to 'CHOKE' to turn on the petrol
	Petrol line	If damage or spilt, replace
	Petrol filter	Remove, inspect for blockage and clean
	Carburettor	Contact our Customer Service Department
Spark Plug	Contamination, damage, electrode gap or carbon build-up	Reset the electrode gap, clean or replace if necessary
	Excessively wet with Petrol	Engine maybe flooded, dry and reinstall the spark plug
Engine Oil	Low Oil Warning Indicator	If flashing or illuminated AMBER, top up with engine oil
Ignition or Engine Malfunction		Contact our Customer Service Department

Engine runs rough, lacks power or stops		
Possible Cause	Check	Correction
Petrol	Contaminated or stale petrol	Drain and refill with fresh petrol
	Air vent lever is 'OFF'	Rotate to 'ON' to allow venting
	3 in 1 Switch is set to 'CHOKE'	Rotate to 'ON'
	Petrol line	If damage or spilt, replace
	Petrol filter	Remove, inspect for blockage and clean
	Carburettor	Contact our Customer Service Department
Spark Plug	Contamination, damage, electrode gap or carbon build-up	Reset the electrode gap, clean or replace if necessary
Engine Oil	Low Oil Warning Indicator	If flashing or illuminated AMBER, top up with engine oil
Air Filter	Contamination or blockage	Remove, inspect and clean

TROUBLESHOOTING (CONTINUED)

No power to the AC output		
Possible Cause	Check	Correction
Faulty AC output socket		Contact our Customer Service Department
Faulty Inverter		Contact our Customer Service Department
Faulty AC Appliance		Contact the appliance Customer Service Department
Faulty AC Appliance Power or Extension Lead		Contact the appliance Customer Service Department
Overload	Overload Warning Indicator	If illuminated RED, push the reset button and restart

No power to the DC output (including USB)		
Possible Cause	Check	Correction
Faulty DC Output Socket		Contact our Customer Service Department
Faulty DC Appliance		Contact the appliance Customer Service Department
Faulty DC appliance power or Extension Lead		Contact the appliance Customer Service Department
Overload	DC circuit breaker	Push the reset button and restart
DC Circuit Breaker has Activated	DC circuit breaker	Push the reset button and restart

STORAGE OF YOUR XTM GENERATOR

If you are planning not to use your Generator for some time, it is advisable to follow these simple storage steps to guard against possible deterioration from an extended period of non-use.

Depending on the storage duration, we have listed key guidelines for you to follow.

Storage Time	Prior to storing
Less than 1 month	No special preparation is require.
1 month to 12 months	Empty the petrol tank and run the engine until it stalls, this will ensure that all remaining petrol is removed from the Carburettor.
12 months or more	Empty the petrol tank and run the engine until it stalls, this will ensure that all remaining petrol is removed from the Carburettor. Remove spark plug and place a tablespoon of engine oil into the cylinder through the spark plug hole. Turn the engine slowly with the recoil grip to distribute the oil. Reinstall spark plug. Store the generator in a dry well-ventilated place under a cover to prevent any dust or debris from accumulating on the generator. Change engine oil before recommissioning.

Note: Use unleaded fuel stabilisers formulated to extend storage life.

CHARGING 12V DC BATTERIES WITH YOUR XTM GENERATOR

To ensure safe and efficient recharging of a 12V DC battery, it is recommended to purchase a suitable 240V AC/DC regulated battery charger that is dedicated and capable of recharging your particular battery capacity and chemistry type.

The 240V AC/DC battery charger MUST then be connected to the 240V AC Socket Output (5) to provide power.

Note: 240V AC/DC battery charger is not supplied, and must be purchased separately. Ensure to carefully follow the user manual instructions that is supplied with the battery charger.

WARRANTY OF YOUR XTM GENERATOR

Warranty Period: 12 months limited warranty

SMG Manufacturer's Warranty Peace of Mind Guarantee

Thank you for choosing an SMG product. We stand behind the quality of our range. Please submit claims online at: www.smga.com.au

Please keep your purchase receipt (bank statements are not accepted). Your receipt is required for any warranty claim. A photo or a copy of your receipt is acceptable providing all information is legible.

What's Covered

Your SMG product is covered against defects in materials and workmanship.

- If a manufacturing fault is confirmed, we'll repair or replace the faulty part or product free of charge.
- Replacement parts may be new or refurbished but will always be of equal quality.

What's Not Covered

This warranty does not cover:

- Use for hire or commercial purposes.
- Damage from misuse, neglect, incorrect installation, or failure to follow instructions.
- Rust, corrosion, dust, dirt, insect or spider blockages.
- Third-party or non-SMG accessories.
- Normal wear and tear, servicing, or maintenance items.
- Freight costs if the product is found fault-free.
- Repair costs if the product is found fault-free.

How to Make a Claim

1. Please submit claims online at: www.smga.com.au
 2. Empty any oil or fuel before returning
 3. Send the product securely packaged and well protected for transporting.
 4. If the product has a manufacturing faulty, repairs are free of charge.
- If no fault is found, service and freight charges will apply.

Your Rights

Australia

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 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.

New Zealand

This warranty is in addition to your rights under the New Zealand Consumer Guarantees Act 1993.

Need Help?

For assistance, or if you cannot access our online form:

- Australia: 1300 660 457
- New Zealand: 0800 474 876
- Email: service.group@smga.com.au

Smart Marketing Group Pty Ltd
33-35 Lionel Road, Mt Waverley,
VIC 3149, Australia

Please take note of serial number and write here for ease of reference:

Serial Number: _____

Date of Purchase: _____

Place of Purchase: _____

Receipt Number: _____

SPECIFICATIONS OF YOUR XTM GENERATOR

Model XTMCFG3KW	
Engine Capacity:	149.2CC 4-Stroke, Single Cylinder
Engine RPM:	3200/4800
Engine Spark Plug:	NGK CR6HSA - 0.7mm electrode gap
Inverter:	2.8kW/230V/50Hz Pure Sine Wave Technology
Ignition:	Transistor Controlled Ignition (TCI)
Rated Voltage:	230V-240V AC-50HZ
Rated Output:	2800W
Maximum Output:	3000W
Rated Current	12.2A
AC Socket (output):	2 x 240V-15A SAA
DC Socket (output):	1 X 12V DC-100W-8.3A
USB Port (output):	1 X 5V DC-10W-2.1A
USB Port (output):	1 X 5V DC-5W-1A
Overload protection:	Yes
Low engine oil protection:	Yes
Recoil pull start:	Yes
Petrol tank capacity:	4.35L
Petrol type:	91 RON (Standard Unleaded) Petrol (Do not use ethanol)
Engine oil capacity:	350ml
Decibel level (Half load at 7m):	71 (Approximate)
Decibel level (Full load at 7m):	77 (Approximate)
Net Weight:	24.7kg
Gross Weight:	29.5kg

4x4 ACCESSORIES



3000W CLOSED FRAME INVERTER GENERATOR

**XTMCFG3KW
PLU 722264**



**FOR SERVICE, SPARE PARTS OR
PRODUCT INFORMATION, PLEASE
CONTACT SMART MARKETING
GROUP PTY LTD.**

**Mon - Fri 8.00am - 5.00pm (AEST)
Do not return to place of purchase
Keep your purchase receipt, this will be required
to make any claims under the 12 month warranty.**

**AUST. 1300 660 457
Email: service.group@smga.com.au**

**Please submit claims online at:
www.smga.com.au**

**Manufactured and packaged for
SRGS PTY LTD
ABN 23 113 230 050
6 Coulthards Avenue, Strathpine QLD 4500 Australia
MADE IN CHINA**