



# GT3500i POWER

PROFESSIONAL POWER GENERATOR

3300 WATT INVERTER GENERATOR



**perfect-power**  
Guaranteed Pure Sine Wave

Please ensure that you read this manual in full before using your machine and follow the maintenance and operation instructions carefully.

**OPERATING INSTRUCTIONS**

## Contents

Introduction.....	3
Environmental Protection.....	3
Scope of Product.....	3
Description of Symbols.....	3
Specifications.....	3
Safety Information.....	4
Features & Controls.....	7
Control Functions.....	8
Preparation before Operating.....	10
Operating the Generator.....	11
Maintenance.....	15
Storage.....	18
Parameters.....	20
Electrical Diagram.....	21
Warranty.....	23

## Introduction

Your new GT POWER Generator will more than satisfy your expectations. It has been manufactured under stringent quality standards to meet superior performance criteria. You will find your new tool easy and safe to operate, and, with proper care, it will give you many years of dependable service.



**CAUTION:** Carefully read through this entire Instruction Manual before using your new GT POWER Generator. Take special care to heed the Cautions and Warnings.

Your generator has many features that will make your job faster and easier. Safety, performance, and dependability have been given top priority in the development of this tool, making it easy to maintain and operate.

## Environmental Protection

Recycle unwanted materials instead of disposing of them as waste. All tools, hoses and packaging should be sorted, taken to the local recycling centre and disposed of in an environmentally safe way.



## Scope Of Product

This product is suited for home and camping, back-up power, rural and commercial applications.

## Description Of Symbols

The rating plate on your tool may show symbols. These represent important information about the product or instructions on its use.



Wear hearing protection.  
Wear eye protection.  
Wear breathing protection.



Conforms to relevant standards for electromagnetic compatibility.

## Specifications

AC Output:	230V AC ~ 50Hz
Rated Power:	3000W
Peak Power:	3300W
Phase:	Single
Power Factor:	COS $\phi$ = 1
Displacement:	212cc
Engine:	LC170F-3
Rated Speed:	3100 RPM
Fuel Tank Capacity:	9L
Fuel Type:	Unleaded petrol
Engine Oil Type:	SAE30
Operation Noise Level:	68.5dBA / 7m
Net Weight:	34kg

## Safety Information

Read this manual carefully and become familiar with your generator. Know its applications, its limitations and any hazards involved.

Throughout this brochure, on tags and decals affixed to the generator, **DANGER**, **WARNING**, **CAUTION** and **NOTICE** marks are used to alert personnel with special instructions about a particular operation that may be hazardous if performed incorrectly, or carelessly. Observe them carefully. Their definitions are as follows:



**DANGER:** indicates a hazard which, if not avoided, will result in death or serious injury.



**WARNING:** indicates a hazard which, if not avoided, could result in death or serious injury.



**CAUTION:** indicates a hazard which, if not avoided, could result in minor or moderate injury.



**NOTE:** covers some practices which may not be related to personal injury.

A running engine gives off carbon monoxide, an odourless, colourless, poison gas. Breathing carbon monoxide could result in death, serious injury, headache, fatigue, dizziness, vomiting, confusion, seizures, nausea or fainting.

- Operate this product **ONLY** outdoors.
- Install a battery operated carbon monoxide alarm near the bedrooms.
- Keep exhaust gas away from entering a confined area through windows, doors, ventilation intakes, or other openings.

- NEVER operate this product inside any building, carport, porch, mobile equipment, marine applications, or enclosure, even if windows and doors are open.



**WARNING:** *Starter cord kickback (rapid retraction) will pull hand and arm toward engine faster than you can let go which could cause broken bones, fractures, bruises, or sprains resulting in serious injury.*

- When starting engine, pull cord slowly until resistance is felt and then pull rapidly to avoid kickback.
- NEVER start or stop engine with electrical devices plugged in and turned on.



**WARNING:** *Fuel and its vapours are extremely flammable and explosive which could cause burns, fire or explosion resulting in death, serious injury and/or property damage.*

### When Adding or Draining Fuel

- Turn generator engine OFF and let it cool at least 2 minutes before removing fuel cap. Loosen cap slowly to relieve pressure in tank.
- Fill or drain fuel tank outdoors.
- DO NOT overfill tank, Allow space for fuel expansion.
- If fuel spills, wait until it evaporates before starting engine.
- Keep fuel away from sparks, open flames, pilot light, heat, and other ignition sources.
- Check fuel lines, tank, cap and fittings frequently for cracks or leaks. Replace if necessary.
- DO NOT light a cigarette or smoke.

## When Starting Equipment

- Ensure spark plug, muffler, fuel cap and air cleaner are in place.
- DO NOT crank engine with spark plug removed.

## When Operating Equipment

- DO NOT operate this product inside any building, carport, porch, mobile equipment, marine applications or enclosure.
- DO NOT tip engine or equipment at angle which causes fuel to spill.
- DO NOT stop engine by moving choke control to "OFF" position.

## When Transporting or Repairing Equipment

- Transport/move/repair with fuel tank EMPTY or with fuel valve OFF.
- DO NOT tip engine or equipment at angle which cause fuel to spill.
- Disconnect spark plug wire.

## When Storing Fuel or Equipment with Fuel in Tank

- Store away from furnaces, stoves, water heaters, clothes dryers, or other appliances that have light or other ignition source because they could ignite fuel vapours.



**WARNING:** Generator voltage could cause electrical shock or burn resulting in death or serious injury.

- Use approved transfer equipment to prevent back feed by isolating generator from electric utility workers.
- When using generator for backup power, notify utility company.

- Use a ground fault circuit interrupter in any damp or highly conductive area, such as metal decking or steel work.
- DO NOT touch bare wires or receptacles.
- DO NOT use generator with electrical cords which are worn, frayed, bare or otherwise damaged.
- DO NOT operate generator in the rain or wet weather.
- DO NOT handle generator or electrical cords while standing in water, while bare-foot, or while hands or feet are wet.
- DO NOT allow unqualified persons or children to operate or service generator.



**WARNING:** Exhaust heat/gases could ignite combustibles, structures or damage fuel tank causing a fire, resulting in death, serious injury and/or property damage. Contact with muffler area could cause burns resulting in serious injury.

- DO NOT touch hot parts and AVOID hot exhaust gases.
- Allow equipment to cool before touching.
- Keep at least 5 feet (1.5m) of clearance on all sides of generator including overhead.



**CAUTION:** Excessively high operating speeds could result in minor injury and/or generator damage. Excessively low speeds impose a heavy load.

- DO NOT tamper with governor spring, links or other parts to increase engine speeds. Generator supplies correct rated frequency and voltage when running at governed speed.



**WARNING:** Unintentional sparking could cause fire or electric shock resulting in death or serious injury.

## When Adjusting or Making Repairs to the Generator

- Disconnect the spark plug wire from the spark plug and place the wire where it cannot contact spark plug.

## When Testing for Engine Spark

- Use approved spark plug tester.
- DO NOT check for spark with spark plug removed.

## Other Safety Precautions



**WARNING:** *Starter and other rotating parts could entangle hands, hair, clothing, or accessories resulting in serious injury.*

- DO NOT connect to a home power system. See “Connecting to a Home Power Supply” on the following page
- NEVER operate generator without protective housing or covers.
- DO NOT wear loose clothing, jewellery or anything that could be caught in the starter or other rotating parts.
- Tie up long hair and remove jewellery.
- DO NOT modify generator in any way.



**NOTE:** *Exceeding generators wattage/ampere capacity could damage generator and/or electrical devices connected to it.*

- DO NOT exceed the generator's wattage/ampere capacity.
- Start generator and let engine stabilise before connecting electrical loads.
- Turn electrical loads OFF and disconnect from generator before stopping generator.



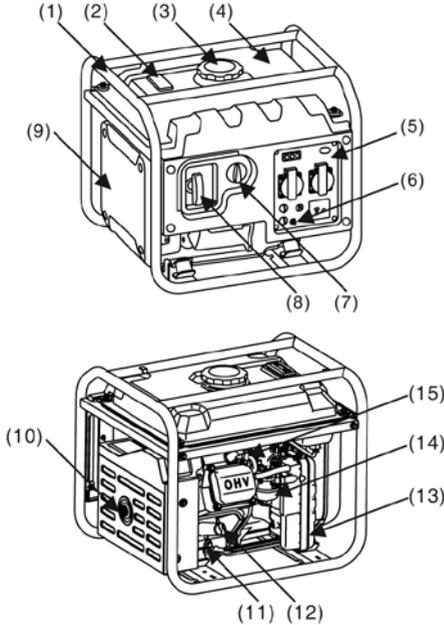
**NOTE:** *Improper treatment of generator could damage it and shorten its life.*

- Use generator only for intended uses.
- If you have questions about intended use, ask dealer or contact local service center.
- Operate generator only on level surfaces.
- DO NOT expose generator to excessive moisture, dust, dirt, or corrosive vapor.
- DO NOT use in the rain.
- DO NOT insert any object through cooling slots.
- If connected devices overheat turn them off and disconnect them from generator.
  - or if electrical output is lost.
  - or if equipment sparks, smokes, or emits flames.
  - or if unit vibrates excessively.

## Features and Controls

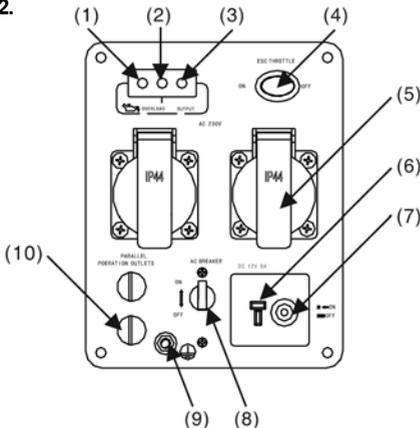
Read this Operating Manual and the Safety Rules section before operating your generator. Compare the illustrations with your generator, to familiarise yourself with the locations of various controls and adjustments. Save this manual for future reference.

Diagram 1.



1. Frame
2. Fuel Gauge
3. Fuel Tank Cap
4. Fuel Tank
5. Control Panel (See Diagram 2)
6. Earth Terminal
7. 3 in 1 Switch Knob (Engine/Fuel Valve/Choke)
8. Recoil Starter Grip
9. Inverter Ducted Fan
10. Muffler
11. Oil Drain Bolt
12. Oil Filler Cap
13. Air Cleaner
14. Carburetor
15. Spark Plug

Diagram 2.

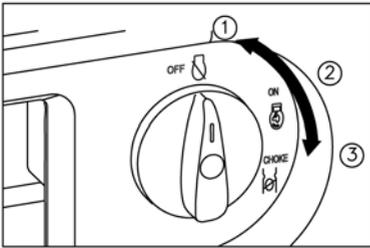


1. Oil Warning Light
2. Overload Indicator Light
3. AC Pilot Light
4. ESC Switch (Engine Smart Control)
5. AC Receptacle
6. DC Protector
7. DC Receptacle
8. AC Overload Protector/Switch
9. Earth Terminal
10. Parallel Receptacle

## Control Functions

### 3 in 1 Switch Knob

1. Engine/fuel valve OFF means the ignition circuit is switched off. Fuel is switched off. The engine will not run.

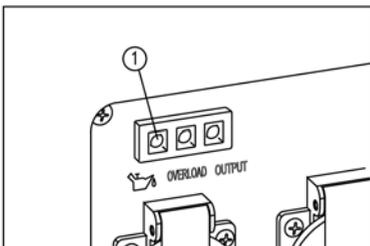


2. Engine switch \fuel valve means ignition circuit is switched on. Fuel is switched on. Choke is switched off. The engine can run.
3. Engine switch \fuel valve \choke ON Ignition circuit is switched on. Fuel is switched on. Choke is switched on. The engine can be started.

**TIP:** The choke is not normally required to start a warm engine.

### Oil Warning Light

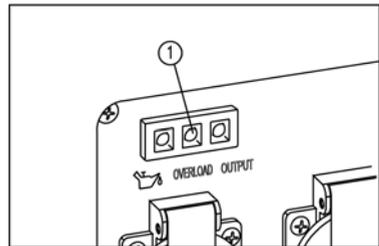
When the oil level falls below the lower level, the oil warning light comes on and then the engine stops automatically. Unless you refill with oil, the engine will not start again.



**TIP:** If the engine stalls or does not start, turn the engine switch to “ON” and then pull the recoil starter. If the oil warning light flickers for a few seconds, the engine oil is insufficient. Add oil and restart.

### Overload Indicator Light (Red)

The overload indicator light comes on when an overload of a connected electrical device is detected, the inverter control unit overheats, or the AC output voltage rises. Then, the AC protector will trip, stopping power generation in order to protect the generator and any connected electric devices. The AC pilot light (Green) will go off and the overload indicator light (Red) will stay on, but the engine will not stop running.

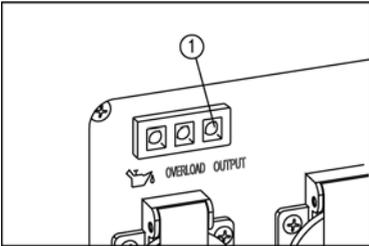


When the overload indicator light comes on and power generation stops, proceed as follows:

1. Turn off any connected electric devices and stop the engine.
2. Reduce the total wattage of connected electric devices within the rated output.
3. Check for blockages in the cooling air inlet and around the control unit. If any blockages are found remove.
4. After checking, restart the engine.

**NOTE:** The overload indicator light may come on for a few seconds at first when using electric devices that require a large starting current, such as a compressor or a

submergible pump. However, this is not a malfunction.

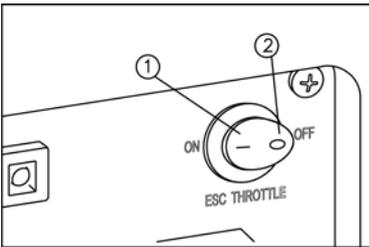


## AC Pilot Light (Green)

The AC pilot light comes on when the engine starts and produces power.

## Engine Smart Control

When the ESC switch is turned to "ON", the economy control unit controls the engine speed according to the connected load. The results mean better fuel consumption and less noise.



When the ESC switch is turned to "OFF", the engine runs at the rated (3100 r/min) Regardless of whether is a load connected or not.

**NOTE:** The ESC must be turned to "OFF" when using electric devices that require a large starting current, such as a compressor or a submergible pump.

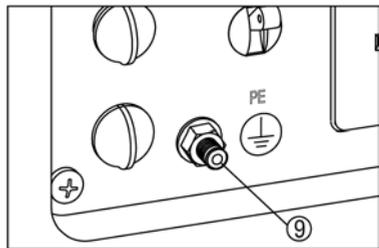
## DC Protector

The DC protector turns "OFF" automatically when an electric device connected to the generator is operating over peak wattage. To operate the equipment again, switch the DC protector button to "ON".

**NOTICE:** Reduce the load of the connected electric device below the specified rated output of the generator if the DC protector turns off. If the DC protector turns off again, stop using device immediately and consult your nearest GT POWER Dealer.

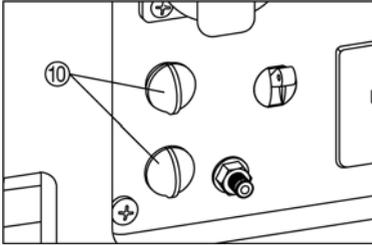
## Ground (Earth) Terminal

The Ground (Earth) terminal (9) purpose is to connect the generator frame to a grounding point such as an earth stake to prevent against electric shock from the generator frame in the case of a short circuit or other electrical malfunction of the generator or the connected load. It is not required to be connected for operation of the generator, it is an additional safety feature. If in doubt if grounding protection is required for your application, please check with a registered electrician as to your local regulations.



## Parallel Operation Outlets

The diagram below shows the terminal (10) for connecting parallel cables used for running two GT3500i Inverter Generators simultaneously. The rated output when running in parallel is 5.6Kva and the rated current is 24.3A/230V.



More information on using the Parallel Kit is described in the manual included with the Parallel Kit - available separately.

## Preparation before Operating

### Adding Engine Oil

Please add correct oil before starting the generator.

Above 5°C - use **SAE 30**

Between 5°C to -15°C - use **10W-30**

Oil Capacity - 0.6L



**NOTE:** *Improper treatment of generator could damage it and shorten its life. DO NOT attempt crank or start the engine before it has been properly serviced with the recommended oil. This could result in an engine failure.*

- Place generator on a flat, level surface.
- Remove oil cap and dipstick. Wipe dipstick clean.

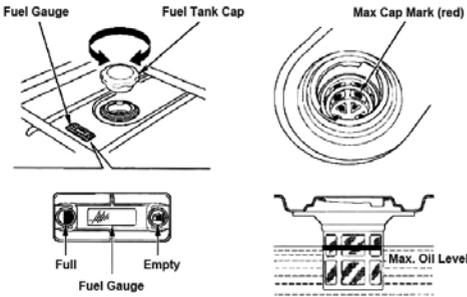
- Slowly fill oil into engine through the oil filter until it reaches the full mark on the dipstick.
- Stop filling occasionally to check oil level. Be careful to not overfill.
- Install oil fill cap and fasten the cap properly.
- Check engine oil level before starting each time thereafter.

### Adding Fuel



**DANGER:** *Never fill tank indoors. Never fill fuel tank when engine is running or hot. Turn generator engine OFF and allow engine to cool entirely before filling fuel tank. Avoid spilling gasoline on HOT engine. Keep fuel away from sparks, open flames, pilot lights, heat, and other ignition sources. DO NOT light a cigarette or smoke when filling the fuel tank. Fuel is highly FLAMMABLE and its vapours are EXPLOSIVE.*

- Use only regular UNLEADED gasoline. Fuel tank capacity is 9.0L  
Do not use any fuel with more than 10% added ethanol, and never use E85 fuel.
  - Do not mix oil with gasoline.
  - Install fuel cap and wipe up any spilled gasoline.
- CAUTION:** *Do not overfill the fuel tank. Allow space for fuel expansion. IF the fuel tank is overfilled, fuel can overflow onto a HOT engine and cause FIRE or EXPLOSION. If fuel spills, wait until it evaporates before starting engine. Check fuel lines, tank, cap and fittings frequently for cracks or leaks. Replace if necessary.*



Ambient temperature: 25  
 Barometric pressure: 100kPa  
 Relative humidity: 30%

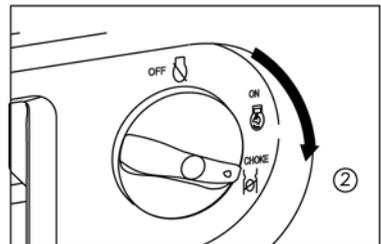
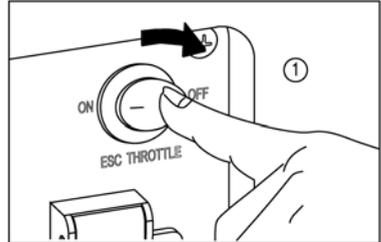
- The output of the generator varies due to change temperature, altitude (lower air pressure at higher altitude) and humidity.
- The output of the generator is reduced when the temperature, the humidity and the altitude are higher than standard atmospheric conditions.
- Additionally, the load must be reduced when using in confined areas, as generator cooling is affected.



**CAUTION:** *It is important to prevent gum deposits from forming in fuel system parts such as the carburetor, fuel hose or tank during storage. Alcohol-blended fuels (called gasohol), ethanol or methanol) can attract moisture, which leads to separation and formation of acids during storage. Acidic gas can damage the fuel system should be emptied before storage for 30 days or longer. See the "Storage" section. Never use engine or carburetor cleaner products in the fuel tank as permanent damage may occur.*

## Starting The Engine

Before starting the engine, do not connect any electric devices. Turn the ESC switch to "OFF" (1).



Turn the 3 in 1 switch to "CHOKE" (2)

- Ignition circuit is switched on.
- Fuel is switched on.
- Choke is switched on.

## Operating the Generator



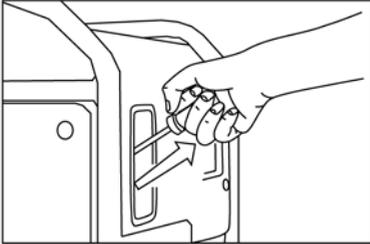
**WARNING:** *Never operate the engine in a closed area or it may cause unconsciousness and death within a short time. Operate the engine in a well ventilated area. The generator has been shipped without engine oil. Do not start the engine until filled with sufficient engine oil.*

- The generator can be used with the rated output load at standard atmospheric conditions:



**NOTE:** The choke is not required to start a warm engine. Turn the choke knob to the “ON” position.

The ESC unit operates normally after the above time period, while the ESC is “ON”.

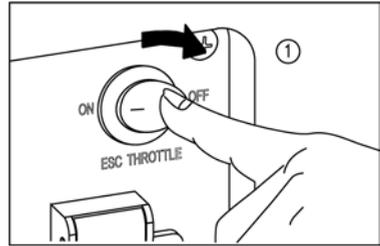


Firmly grasp the recoil handle and pull slowly until increased resistance is felt. Pull rapidly up and away.

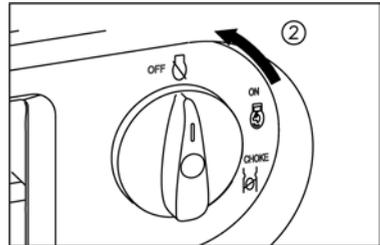
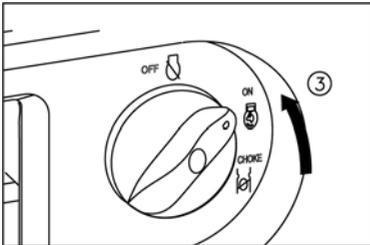
Grasp the carrying handle firmly with the other hand to prevent the generator from falling over when pulling the recoil starter.

## Stopping The Engine

- a. Turn off any electric devices.
- b. Turn the ESC to “OFF” (1).
- c. Disconnect any electric devices.



Turn the 3 in 1 switch to “OFF” (2).



After the engine starts, warm up the engine until the engine does not stop when the 3 in 1 switch is returned to the “ON” position (3).

## Alternating Current (AC) Connection



**NOTE:** When starting the engine, with the ESC “ON” and there is no load on the generator:

In ambient temperature below 0 32 ), the engine will run at the rated ( r/min ) for 5 minutes to warm up the engine.  
In ambient temperature below 5 41 ), the engine will run at the rated r/min (3600r/min) for 3 minutes to warm up the engine.



**WARNING:** Before starting the engine, do not connect any electric devices. Turn the ESC switch to “OFF” (1).



**NOTE:** Be sure all electric devices including the lines and plug connections are in good condition before connecting to the generator.

Be sure the total load is within generator rated output.

*Be sure the receptacle load current is within receptacle rated current.*

1. Start the engine.
2. Turn the ESC to "ON".
3. Plug in to AC receptacle.
4. Make sure the AC pilot light is on.
5. Turn on any electric devices.



**NOTE:** *The ESC must be turned "OFF" before increasing engine speed to rated rpm.*

Most motorised appliances require more than their electrical rating for startup. When an electric motor is started, the overload indicator (red) may come on. It is normal for this to go off within four seconds. If the overload indicator (red) stays on, consult your GT POWER dealer.

If the generator is connected to multiple loads or electricity consumers, please remember to connect the one with the highest starting current first. Connect the one with the lowest starting current last.

If the generator is overloaded, or if there is a short circuit in a connected appliance, the overload indicator (red) will go ON. The over-load indicator (red) will stay ON, and after about 4 seconds, current to the connected appliance(s) will shut off, and the output indicator (green) will go OFF. Stop the engine and investigate the problem. Determine if the cause is a short circuit in a connected appliance or an overload, correct the problem and restart the generator.

## Battery Charging

The generator DC rated voltage is 12V. Before starting to charge the battery, make sure that the DC protector is turned on. Start the engine

first, and then connect the generator to the battery for charging.

1. Start the engine.
2. Connect the red battery charger lead to the positive (+) battery terminal.
3. Connect the black battery charger lead to the negative (-) battery terminal.
4. Turn the ESC "OFF" to start battery charging.



**NOTE:** *Be sure the ESC is turned off while charging the battery.*

Be sure to connect the red battery charger lead to the positive (+) battery terminal, and connect the black lead to the negative (-) battery terminal. **DO NOT REVERSE THESE POSITIONS.**

The DC protector turns off automatically if current above the rated flows during battery charging. To restart charging the battery, turn the DC protector on by pressing its button to "ON". If the DC protector turns off again, stop charging the battery immediately and consult your GT POWER Dealer.



**NOTE:** *Follow instructions in the owner's manual to determine the end of battery charging.*

Measure the specific gravity of electrolyte to determine if the battery is fully charged. At full charge, the electrolyte specific gravity is between 1.26 and 1.28.

It is advisable to check the specific gravity of the electrolyte at least once every hour to prevent overcharging the battery.



**WARNING:** *Never smoke or make and break connections at the battery while charging. Sparks may ignite the battery gas. Battery electrolyte is*

*poisonous and dangerous, causing severe burns, etc. contains sulfuric (sulphuric) acid. Avoid contact with skin, eyes or clothing.*

## AC Parallel Operation

Before connecting an appliance to either generator, make sure that it is in good working order and that its electrical rating does not exceed that of the receptacle. During parallel operation, the ESC switch should be in the same position on both generators.

1. Connect the parallel operation cable between the GT3500i to another GT3500i following the instructions supplied with the cable kit.
2. Start the engines and make sure the output indicator (green) on each generator comes on.
3. Plug an appliance into the AC receptacle.
4. Turn on the appliance.



**WARNING:** *Make sure that everything is in good working order. A faulty appliance or power cord can create a potential for electrical shock.*



**NOTE:** *If an appliance begins to operate abnormally, becomes sluggish, or stops suddenly, turn it off immediately. Disconnect the appliance and determine whether the problem is the appliance, or if the rated load capacity of the generator has been exceeded.*

*Make sure that the combined electrical rating of the tools or appliance do not exceed that of the generator. Never exceed the maximum for more than 30 minutes.*

*Never connect different generator models.*

*Don't remove the parallel operation cable when the generator is in operation.*

*For single generator operation, the parallel operation cable must be removed.*



**WARNING:** *Substantial overloading that continuously lights the overload indicator (red) may damage the generator*

*Marginal overloading that temporarily lights the overload indicator (red) may shorten the service life of the generator.*

*Limit operation requiring maximum power to 30 minutes.*

*Maximum power in parallel operation is; 6.0kVA. For continuous operation, do not exceed the rated power. Rated power in parallel operation is: 5.6kVA.*

## Electric & Electronic Appliances

When supplying precision equipment, electronic controllers, PCs, electronic computers, microcomputer based equipment or battery chargers, keep the generator a sufficient distance away to prevent electrical interference from the engine. Also ensure that electrical noise from the engine does not interfere with any other electrical devices located near the generator.



**NOTE:** *If the generator is to supply medical equipment, advice should first be obtained from the manufacturer, a medical professional or hospital. Some electrical appliances or general-purpose electric motors have high starting currents, and cannot therefore be used. Consult the equipment manufacturer for further advice.*

## Maintenance

Perform maintenance as shown below. More frequent service is required when operating in adverse conditions.

### Maintenance Schedule

Pre-operation Check - Daily:
<p><b>Check, clean &amp; replace where necessary:</b></p> <ul style="list-style-type: none"><li>• Sparkplug</li><li>• Fuel level &amp; leakage.</li><li>• Fuel hose for cracks &amp; damage.</li><li>• Oil level - <i>top up if necessary</i></li></ul>
Every 6 Months or 100 Hours:
<p><b>Check, clean &amp; replace where necessary:</b></p> <ul style="list-style-type: none"><li>• Air filter - <i>more often if used in wet or dusty areas</i></li><li>• Muffler screen</li><li>• Spark arrester</li><li>• Replace oil</li></ul>
Every 12 Months or 300 Hours:
<p><b>Check, clean &amp; replace where necessary:</b></p> <ul style="list-style-type: none"><li>• Fuel filter</li><li>• Crankcase breather hose</li></ul> <p><b>Have a Service Dealer perform the following:</b></p> <ul style="list-style-type: none"><li>• De-carbonise cylinder head - <i>more frequently if necessary</i></li><li>• Valve clearance</li><li>• Fittings &amp; fasteners</li></ul>

### General Recommendations

The warranty of the generator does not cover items that have been subjected to operator abuse or negligence. To receive full value from the warranty, the operator must maintain the generator as instructed in this manual.

Some adjustments will need to be made periodically to properly maintain the generator.



**NOTE:** *If you are not familiar with maintenance work, have a GT POWER Service Dealer do it for safety.*



**WARNING:** *Stop the engine before starting maintenance work.*

Generator maintenance consists of keeping the unit clean and dry. Operate and store the unit in a clean dry environment where it will not be exposed to excessive dust, dirt, moisture or any corrosive vapours. Cooling air slots in the generator must not become clogged with debris.

- Check for any foreign materials while changing the engine oil and report to repair agent if necessary
- Check the cleanliness of the generator frequently and clean when dust, dirt, oil, moisture or other foreign substances are visible on its exterior surface.



**CAUTION:** *Never insert any object or tool through the air cooling slots, even if the engine is not running.*

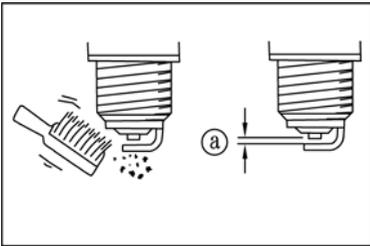
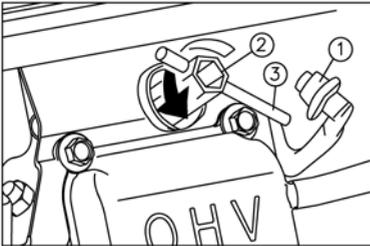


**NOTE:** *DO NOT use a garden hose to clean generator. Water can enter the engine fuel system and cause problems. In addition, if water enters the generator through cooling air slots, some water will be retained in voids and crevices of the rotor and stator winding insulation. Water and dirt build-up on the generator internal windings will eventually decrease the insulation resistance of these windings.*

## Spark Plug Inspection

The spark plug is an important engine component, which should be checked periodically.

1. Noise suppressor cap assembly (1) Install spark plug wrench box (2) on the spark plug appropriately.
2. Insert the handlebar(3) into the tool and turn it counterclockwise to remove the spark plug.



3. Check for discoloration and remove the carbon. The porcelain insulator around the center electrode of spark plug should be a medium-to- light tan color.
4. Check the spark plug type and gap.

**Standard spark plug:**

BPR6ES/BP6ES NGK

F7RTC/F7TC

Spark plug gap: 0.6-0.7mm

5. Install the spark plug.



**NOTE:** *If a torque wrench is not available when installing a spark plug, a good estimate of the correct torque is 1/4-1/2 turn past finger tight. However, the spark plug should be tightened to the specified torque as soon as possible.*

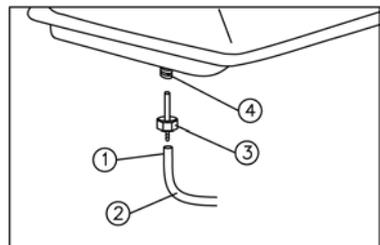
6. Install the spark plug cap and spark plug cover.

## Carburetor Adjustment

The carburetor is a vital part of the engine. Adjusting should be left to a dealer with the professional knowledge and specialised equipment to do so properly.

## Clean Fuel Filter

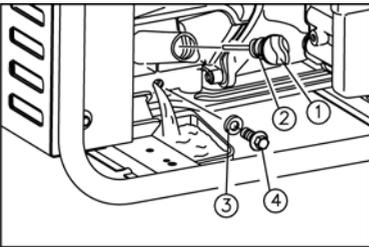
1. Drain the fuel in the fuel tank. Hold the tube clip (1) downward and pull out the fuel tube (2) which connects to the fuel tank, then disassemble fuel filter.
2. Put the fuel filter into noncombustible or higher flash point solvent and clean it.
3. Assemble fuel filter to the main jet on the fuel tank then assemble fuel tube to main jet on the fuel tank and install tube clip.



## Engine Oil Replacement

Avoid draining the engine oil immediately after stopping the engine. The oil is hot and should be handled with care to avoid burns.

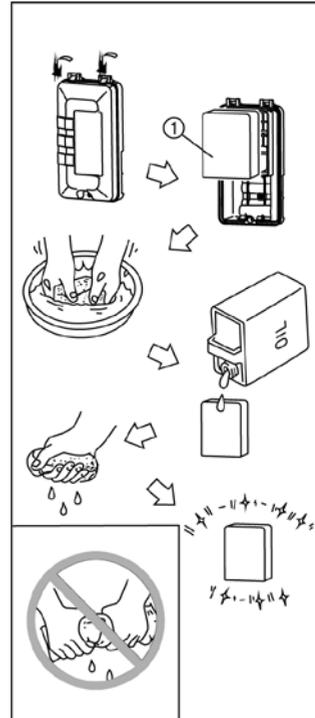
1. Place the generator on a level surface and warm up the engine for several minutes.
2. Remove the oil filler cap (1).
3. Place an oil pan under the engine, remove the oil drain bolt (4) and drain the oil from the oil tank.
4. Check oil filler cap (1), O-ring (2), Oil drain bolt (4) and Oil filler cap packing (3). Replace immediately if any are damaged.
5. Assemble oil drain bolt (4) and oil filler cap packing (3).
6. Add oil till to a suitable level then tighten oil filler cap (1).



 **NOTE:** Do not tilt the generator when adding engine oil. This could result in overfilling and damage to the engine.

## Air Filter

1. Remove air filter cover and foam element (1).
2. Wash the foam element in solvent and dry.
3. Add oil to foam element and squeeze out any excess. Foam element should be wet but not dripping to avoid damage.
4. Insert the foam element into the air filter case.



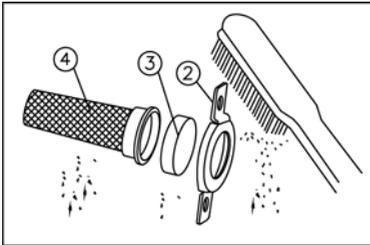
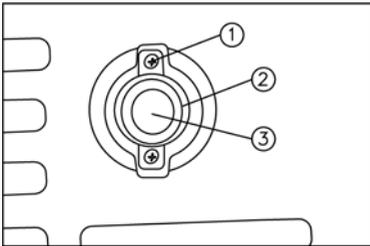
 **NOTE:** Be sure the foam element sealing surface matches the air filter cover so there is no leak. The engine should never run without the air filter; this will lead to piston and cylinder wear.

5. Install the air filter case cover in its original position.

## Muffler Screen



**WARNING:** *The engine and muffler will be very hot after the engine has been run. Avoid touching the engine and muffler while they are still hot with any part of your body or clothing during inspection or repair.*



1. Remove the nut (1), Remove the muffler cap (2), Remove the muffler screen (3), Remove the spark arrester (4).
2. Clean the carbon on the muffler screen with a wire brush.
3. Check the muffler screen and spark arrester, replace if damaged.
4. Install spark arrester.



**WARNING:** *Never use an engine without an appropriate spark arrester in forest areas! Doing so may cause a fire!*

## Storage

Long term storage of your machine will require some preventive procedures to guard against deterioration.

### Drain the Fuel

1. Turn the 3 in 1 switch to "OFF".
2. Remove the fuel tank cap, remove the filter. Extract the fuel from the fuel tank into an approved gasoline container using a commercially available hand siphon. Then, install the fuel tank cap.
3. Fuel is highly flammable and poisonous. Check "Safety Rules" (See page 4) carefully wipe off spilled fuel immediately with a clean, dry, soft cloth, since fuel may deteriorate painted surfaces or plastic parts.
4. Start the engine and leave it to run until it stops. The engine stops in approx. 20 mins. Time by running out of fuel.



**NOTE:** *Do not connect any electrical devices. (Unloaded operation). Duration of the running engine depends on the amount of the fuel left in the tank.*

5. Drain the fuel from the carburetor by loosening the drain screw on the carburetor float chamber.
6. Turn the 3 in 1 switch to "OFF".
7. Tighten the drain screw.

## Engine

Perform the following steps to protect the cylinder, piston ring, etc. from corrosion.

1. Remove the spark plug; pour about 15ml of SAE 10W-30 into the spark plug hole and reinstall the spark plug.

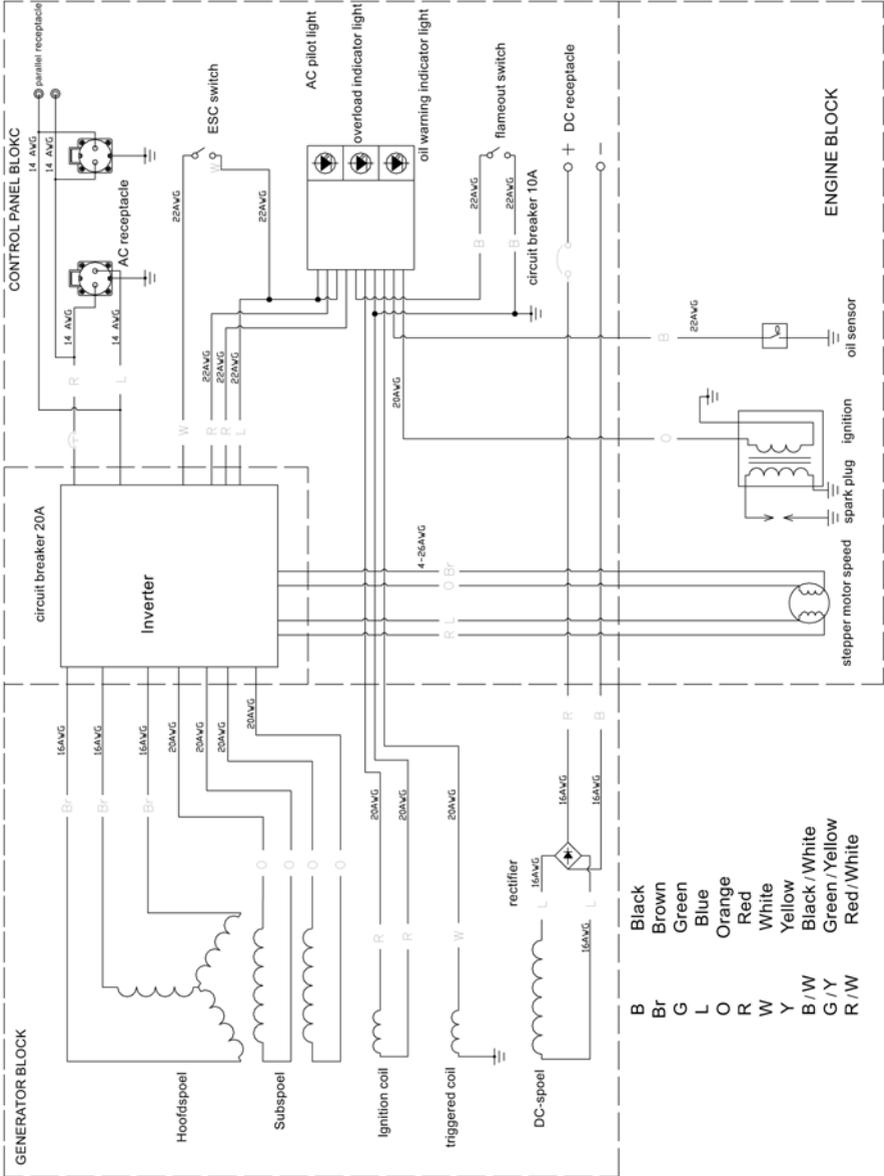
2. Turn the engine over several times using the recoil starter (with 3 in 1 switch knob off) to coat the cylinder walls with oil.
3. Pull the recoil starter until you feel compression. (This prevents the cylinder and valves from rusting).
4. Then stop pulling.
5. Clean the outside of engine and spray with an anti-rust compound.
6. Store the generator in a dry, well-ventilated place, with the cover placed over it.

## Parameters

	<b>Model No.</b>	<b>GT3500i</b>
<b>Generator</b>	Generator Type	Inverter
	Rated frequency /Hz	50
	Rated voltage /V	230
	Max. output power /KVA	3.3
	Rated output power /KVA	3.0
	Power factor	1.0
	AC output quality	ISO8528 G2
	THD/%	≤5
	Noise Level dB/LPA (3/4 load) (3/4 load)dB	68.5
	DC Output/ V-A	12-8
	Overload Protect	DC
AC		Control by inverter overload protect program
<b>Engine</b>	Engine	LC170F-3
	Engine type	Single cylinder, 4-Stroke, forced air cooling, OHV
	Displacement / CC	212
	Fuel type	Unleaded Gasoline
	Fuel capacity / L	9
	Continue Running Time (at rated power)	6
	Fuel Tank Capacity / L	0.6
	Spark Model No.	BPR6ES/BP6ES(NGK) F7RTC/F7TC
	Starting mode	Recoil starter
<b>Generator Set</b>	Length×Width×Height/mm	484×420×417
	Net weight/kg	34

# Electrical Diagram

230V / 50Hz



- B Black
- Br Brown
- G Green
- L Blue
- O Orange
- R Red
- W White
- Y Yellow
- B/W Black / White
- G/Y Green / Yellow
- R/W Red / White



**GT3500i POWER**  
PROFESSIONAL POWER GENERATOR

## Warranty

Whilst every effort is made to ensure your complete satisfaction with this tool, occasionally, due to the mass manufacturing techniques, a tool may not live up to our required level of performance and you may need the assistance of our service department.

This product is warranted for a 12 month period from the date of the original purchase. If found to be defective in materials or workmanship, the tool or the offending faulty component will be replaced free of charge with another of the same item. A small freight charge may apply. Proof of purchase is essential.

We reserve the right to reject any claim where the purchase cannot be verified. This warranty does not include damage or defects to the tool caused by or resulting from abuse, accidents or alterations. It also does not cover any bonus items or included accessories. Only the generator is covered under this warranty.

Please ensure that you store your receipt in a safe place. Conditions apply to the above warranty.

1. **DURATION:** The manufacturer warrants that it will repair or replace, at no charge for parts or labour, the GT POWER Generator, if proven defective in material or workmanship, during the following time period(s) after date of original retail purchase:

For 1 Year:

The GT POWER GT3500i Generator  
(excluding accessories)

2. **WHO GIVES THIS WARRANTY (Warrantor):**

EUROQUIP NZ	EUROQUIP
NEW ZEALAND	AUSTRALIA
Service Line:	Service Line:
+ + 64 3 547 8409	1 - 800 040 947

3. **WHO RECEIVES THIS WARRANTY (Purchaser):**

The original purchaser of this GT POWER Generator

4. **WHAT IS COVERED UNDER THIS WARRANTY:**

Defects in material and workmanship which occur within the duration of the warranty period.

5. **WHAT IS NOT COVERED UNDER THIS WARRANTY:**

A. Implied warranties, including those of merchantability and FITNESS for a particular purpose are limited in duration to this express warranty. After this period, all risks of loss, from whatever reason, shall be on the purchaser.

B. ANY INCIDENTAL, INDIRECT, OR CONSEQUENTIAL LOSS, DAMAGE, OR EXPENSE THAT MAY RESULT FROM ANY DEFECT, FAILURE OR MALFUNCTION OF THIS PRODUCT.

C. This warranty does not apply to any accessory or consumable items included with the product which are subject to wear from usage; the repair or replacement of these items shall be at the expense of the owner. These items include, but are not limited to: sparkplugs, seals, o-rings, recoil starter parts, etc. In addition, this warranty does not extend to any damage caused by the untimely replacement or maintenance of any of the previously listed CONSUMABLE parts.

D. Any failure that results from accident, purchaser's abuse, neglect or failure to operate products in accordance with instructions provided in the owner's manual(s) supplied with the product.

E. Pre-delivery service, i.e. assembly and adjustment.

6. **RESPONSIBILITIES OF WARRANTOR UNDER THIS WARRANTY:** Repair or replace, at Warrantor's option, products or components which have failed within duration of the warranty period.

7. **RESPONSIBILITIES OF PURCHASER UNDER THIS WARRANTY:**

A. Please call your re-seller or the number listed above for warranty assistance.

B. Provide dated proof of purchase and maintenance records.

C. All generators must be delivered or shipped to the nearest Service Agent or re-seller. Freight costs, if any, must be borne by the purchaser.

D. Use reasonable care in the operation and maintenance of the products as described in the owner's manual(s).

E. No warranty costs incurred will be considered for, or covered if Euroquip has not been contacted and prior permission for repair / replacement has been granted.

8. **WHEN WARRANTOR WILL PERFORM REPAIR OR REPLACEMENT UNDER THIS WARRANTY:**

Repair or replacement will be scheduled and serviced according to the normal work flow at the servicing location and depending on the availability of replacement parts.



Congratulations on your new GT POWER product. We are proud to have you as our customer and will strive to provide you with the best service and reliability in the industry. This product is backed by our extensive warranty and world-wide service network. To locate your nearest distributor or service agency call **0800 387 678**, or email us at [info@euroquip.co.nz](mailto:info@euroquip.co.nz).