



GT7005EFI POWER

INVERTER GENERATOR

7000W



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

OPERATING INSTRUCTIONS

Congratulations on your new GT Power product!

The GT Power range from Euroquip uses latest technology design and engineering to produce generator products that combine market leading value and features with durability. Designed for discerning operators who seek professional results and product quality. Design emphasis is placed on simple, functional design and operation. GT Power products are subject to stringent quality control and designed and manufactured to NZ & Australian standards.

Euroquip is a market leading provider of innovative power equipment solutions to a wide range of industries across New Zealand and Australia. Key product categories are; welding equipment, air compressors, power generators and cleaning equipment.

Euroquip's slogan is 'empowering industries', find out more about the advantage Euroquip brings at www.euroquip.co.nz.

Providing exceptional product support is a key component of Euroquip's market leading customer advantage focus. As part of this program, it is required for all products to be registered with Euroquip to qualify for product support and the extended 24 month warranty. Products not registered with Euroquip are supported by a base 12 month warranty only. Spare parts and technical support will not be available for an unregistered product outside of this base warranty period. If a Euroquip dealer has not already registered your product, please register it online at www.euroquip.co.nz. To request a physical registration form, please download one at www.euroquip.co.nz under the 'Contact Us' tab.



WARNING!

READ AND UNDERSTAND ALL SAFETY PRECAUTIONS IN THIS MANUAL BEFORE OPERATING. FAILURE TO COMPLY WITH INSTRUCTIONS IN THIS MANUAL COULD RESULT IN PERSONAL INJURY, PROPERTY DAMAGE, AND/ OR VOIDING OF YOUR WARRANTY. GT POWER WILL NOT BE LIABLE FOR ANY DAMAGE BECAUSE OF FAILURE TO FOLLOW THESE INSTRUCTIONS.

Table Of Contents

Safety Definitions4

General Safety Precautions4

Unpacking the Generator.....6

Assembling the Generator.....6

Specifications.....7

Safety Labels.....8

Generator Controls & Features9

Control Panel.....9

Control Functions.....10

Before Starting the Generator.....11

Starting the Generator.....14

Generator Use.....15

Stopping the Generator.....16

Maintenance17

Transporting and Storage.....21

Calculating Your Power Needs.....22

Wattage Reference Guide.....23

Troubleshooting24

Wiring Diagram.....25

Warranty.....26

Safety Definitions

The word WARNING and NOTE are used throughout this manual to highlight important information. Be certain that the meanings of these alerts are known to all who work on or near the equipment.



The above safety alert symbol appears with most safety statements. It means attention, become alert, your safety is involved! Please read and abide by the message that follows the safety alert symbol.



WARNING!

Indicates a hazardous situation which, if not avoided, could result in death or serious injury, or cause damage to the generator, personal property and/or the environment, or cause the equipment to operate improperly.



NOTE: *Indicates a procedure, practice or condition that should be followed in order for the generator to function in the manner intended.*

General Safety Precautions



WARNING!

Never use the generator in a location that is wet or damp. Never expose the generator to rain, snow, water spray or standing water while in use. Protect the generator from all hazardous weather conditions. Moisture or ice can cause a short circuit or other malfunction in the electrical system.

Never operate the generator in an enclosed area. Engine exhaust contains carbon monoxide. Only operate the generator outside and away from windows, doors and vents.



WARNING!

Voltage produced by the generator could result in death or serious injury.

- Never operate the generator in rain or a floodplain unless proper precautions are taken to avoid being subject to rain or flood.
- Never use worn or damaged extension cords.
- Always have a licensed electrician connect the generator to any fixed electrical installation.
- Never touch an operating generator if the generator is wet or if you have wet hands.
- Never operate the generator in highly conductive areas such as around metal decking or steel works.
- Always use earthed extension cords.
- Always use three-wire or double insulated power tools.

- Never touch live terminals or bare wires while the generator is operating.
- Keep animals and children away from the generator at all times.

- Never operate the engine if a fuel leak is discovered.
- Equip the operating area with a Class ABE or BE portable fire extinguisher.



WARNING!

Petrol fuel liquid and vapours are extremely flammable and explosive under certain conditions.



WARNING!

Never operate the generator if powered items overheat; electrical output drops; there are sparks, flames or smoke coming from the generator; or if the receptacles are damaged.

- Always refuel the generator outdoors, in a well-ventilated area.
- Never remove the fuel cap while the engine is running.
- Never refuel the generator while the engine is running. Always turn engine off and allow the generator to cool before refuelling.
- Only fill fuel tank with unleaded petrol.
- Keep away from sparks, open flames or other forms of ignition such as matches, cigarettes, CB radios and mobile phones when refuelling.
- Never overfill the fuel tank. Leave room for fuel to expand. Overfilling the fuel tank can result in a sudden overflow of fuel and result in spilled fuel coming in contact with hot surfaces. Spilled fuel can ignite. If fuel is spilled on the generator, wipe it up immediately and dispose of rags properly. Allow area of spilled fuel to dry before operating the generator.
- Wear eye protection while refuelling.
- Never use fuel as a cleaning agent.
- Store any fuel containers in a well ventilated area, away from any combustibles or source of ignition.
- Check for fuel leaks after refuelling.

- Never attempt to connect more than one generator to the same electrical device, extension cord or fixed electrical installation.
- Never use the generator to power medical support equipment.
- Always remove any tools or other service equipment used during maintenance before operating the generator.



WARNING!

You must take reasonable care for the health and safety both of yourself and any others who may be affected by your actions. You must understand and follow all of the safety rules and working instructions described herein. You must also use your own good judgement and common sense.

NOTE: *Never modify the generator.*

- Never operate the generator if it vibrates at high levels, if the engine speed changes greatly or if the engine misfires often.
- Always disconnect electric tools or appliances from the generator before starting.



Assembling the Generator

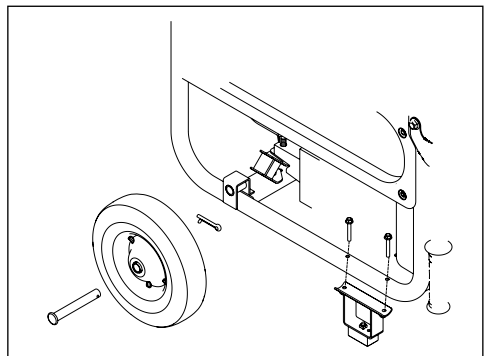
NOTE: Do not operate the generator without the wheels and supports, otherwise the air filter will be exposed to debris.

The following accessories are supplied with the generator:

Wheels x 2 Shafts x 2
R cotter pin x 2 Support x 2
M6*40 Bolt x 4

Assembling Procedure

1. Ensure the generator is not running, and lift it (refer to "Transporting and Storage" on page 21)
2. Put one wheel through a shaft, and fit onto the wheel base of the generator.
3. Lock the end of the shaft with R cotter pin.
4. Install one support with two bolts using a 10mm spanner.
5. Install the second wheel and support, refer to steps 2 and 4 above.



Unpacking the Generator



WARNING!

Always have assistance when lifting the generator. The generator is heavy; lifting it could cause bodily harm. Avoid cutting on or near staples to prevent personal injury.

1. Carefully cut packing tape on top of carton.
2. Fold back top flaps to reveal instruction manual on top of the upper packing tray. Remove manual and save it for reference.
3. Remove and discard upper packing tray.
4. Unfold top of the plastic bag enclosing the generator.
5. Lift generator out of plastic bag and carton.
6. Recycle or dispose of packaging materials properly.

Specifications

ENGINE:	
Model:	Powerdyne 190F
Engine Displacement	420CC
Maximum Power	15HP / 11.2kW / 3900rpm
Motor	1-Cylinder, 4-Stroke, Overhead Valve, Air Cooled
Oil Capacity	1.1L
Oil Type	SAE 15W-30 Synthetic Blend
Bore Stroke	90mm *66mm
Compression Ratio	8.8:1
Ignition System	Full Transistor
Start System	Recoil / Electric Starter
Fuel Type	Gasoline without Lead
Fuel Capacity	23L
GENERATOR:	
Model:	GT7005EFI
Voltage	230V
Frequency	50Hz
Current	28.3A
Rated Output Power	6.5kVA
Maximum Output Power	7.0kVA
OTHER SPECIFICATIONS:	
Continuous Running Time	5.5 hours
Working Ambient Temperature	-20°C ~40°C
Maximum Altitude	1000m
Noise Level**	68dB@7m
DIMENSIONS & WEIGHT:	
L x W x H (mm)	700 x 550 x 550
Net Weight	80kg

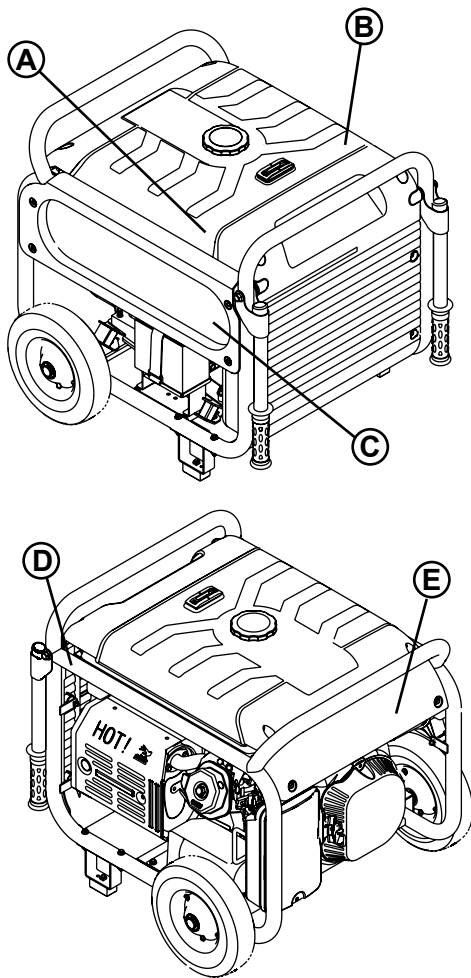
Noise Level is measured when Economy Switch is turned ON.

** The Noise level in dB @7m is the arithmetic mean value of sound press level (LpA) in four directions measured 7 metres away from the generator. The noise level may vary in different environments

Safety Labels

The safety labels have specific positions and must be replaced if they are unreadable, damaged or missing.

(Fig. 1) Safety Labels



(A) ⚠ WARNING!

GASOLINE IS HIGHLY FLAMMABLE AND EXPLOSIVE

- Turn engine off and let cool before re-fueling.

THIS ENGINE EMITS TOXIC CARBON MONOXIDE

- Do not run in an enclosed area.

READ OWNER'S MANUAL BEFORE OPERATION

(B) ⚠ WARNING! - BATTERY HAZARDS

1 - CONTAINS CAUSTIC ACID 2 - EMITS EXPLOSIVE GASES
3 - CAN CAUSE ELECTRIC SHOCK

- ALWAYS use eye protection. Caustic acid and explosive gases can cause blindness or severe burns.
- NO smoking, sparks or flames near the battery.
- NEVER touch both battery terminals at the same time with your hand or any non-insulated tool.
- FLUSH immediately with water if battery acid contacts eyes, skin or clothing.
- CONNECT cables in correct sequence: First - RED to POSITIVE terminal, then BLACK to NEGATIVE terminal. When disconnecting, disconnect BLACK cable first, then RED.

NOTE: IF GENERATORS TO BE STORED FOR LONGER THAN 2 MONTHS - Charge battery with trickle charger that is rated for 1A maximum. A charged battery ensures reliable engine starting.



(D) ⚠ WARNING!

DO NOT TOUCH HOT SURFACES

 This generator produces extreme heat. The muffler and surrounding areas get very hot and severe burning will occur if in contact with skin.

HOT

(E) ⚠ DANGER

Using a generator indoors CAN KILL YOU IN MINUTES. Generator exhaust contains carbon monoxide. This is a poison you cannot see or smell.



NEVER use inside a home or garage. **EVEN IF** doors and windows are open.



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

 **DO NOT** connect to a building's electrical system

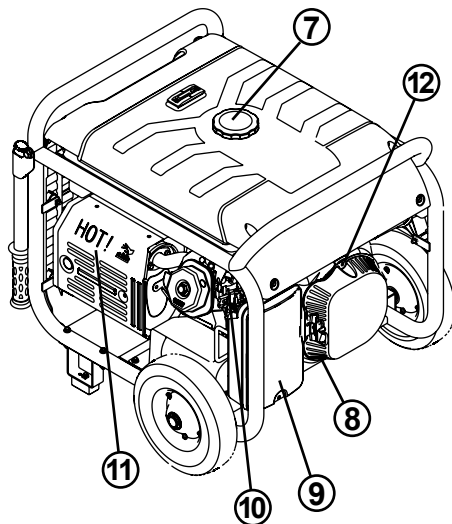
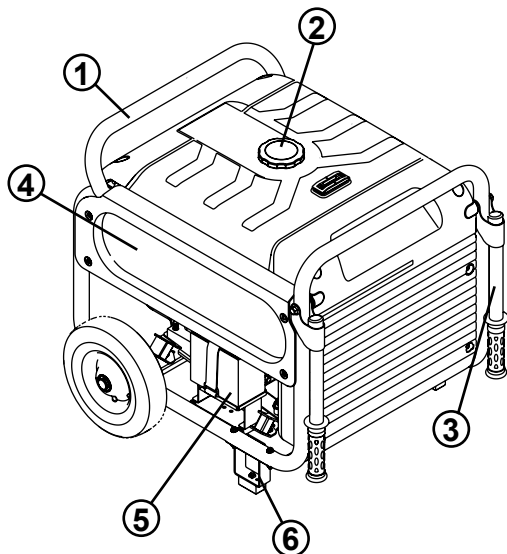
 **DO NOT** expose the generator to rain, moisture or snow

 Read the Operator Instruction Manual before operating

GT7005EFI		CE	
AC	Rated Voltage:	240V	
	Rated Current:	27.1A	
	Rated Frequency:	50Hz	
	Rated Power COP:	6.5kVA	
	Max. Power:	7.0kVA	
	Rated Power Factor:	1.0	
Fire Protection: ISO6826		IP23M	
Class A, G2		ISO8528	
Net Weight: 80kg		 5405	
Production Year:		<input type="text"/>	
Serial Number:		<input type="text"/>	

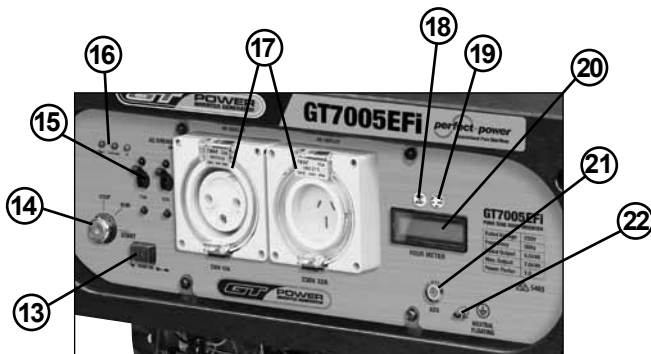
Generator Controls and Features

- | | | |
|--------------------|--------------------------|------------------|
| 1 - Handle | 5 - Battery | 9 - Air Cleaner |
| 2 - Fuel Cap | 6 - Support | 10 - Choke Lever |
| 3 - Folding Handle | 7 - Fuel Level Indicator | 11 - Muffler |
| 4 - Control Panel | 8 - Starter Grip Recoil | 12 - Fuel Switch |



Control Panel

- | |
|---|
| 13 - Economy Switch |
| 14 - Engine Switch |
| 15 - Circuit Breaker Switches |
| 16 - Operation Indicator Lights |
| 17 - Circuit Breaker Light |
| 17 - 230V Power Outlets |
| 18 - AC Reset Button |
| 19 - Hour Meter Function Button |
| 20 - Hour Meter |
| 21 - ATS Connection |
| 22 - Ground Terminal (Neutral Floating) |



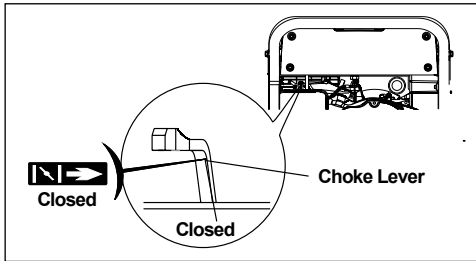
Control Functions

Choke Lever (10)

The choke is used to help start the engine. It can be turned to the CLOSED or OPEN position.

CLOSED: Is used to start the engine, when the engine is cold.

OPEN: Is used to run the engine.



Engine Switch (14)

The engine switch starts and stops the engine.

STOP: Stops the engine.

RUN: Keeps the engine running.

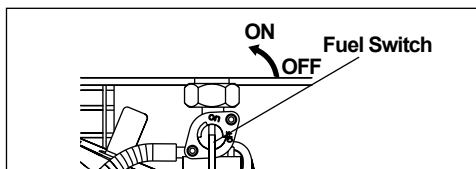
START: Starts the engine using the electrical starting system.

Fuel Switch (12)

The fuel switch controls the flow of fuel.

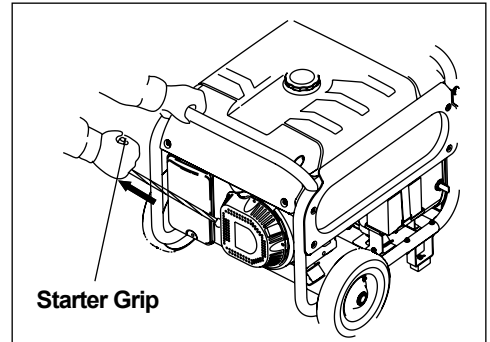
OFF: Stops fuel flowing to the carburetor.

ON: Allows fuel to flow to the carburetor.



Starter Grip Recoil (8)

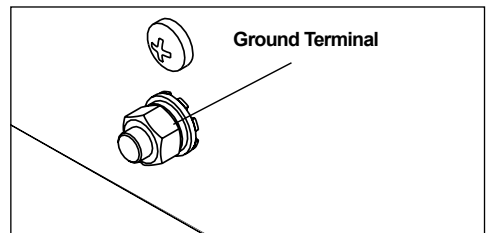
Pull the starter grip to manually start the engine.



Ground Terminal (22)

The generator ground terminal is connected to the frame of the engine, the non-current carrying metal parts of the generator and the ground terminals of the AC receptacles.

NOTE: Before using the ground terminal, consult a qualified electrician to ensure compliance with relative laws and electrical codes.



NOTE:

- The grounding system is not connected to the AC neutral wire.
- Neutral floating for the AC system.

Economy Switch (13)

When the switch is turned to the “ON” position, the generator will automatically adjust the engine speed according to the electrical load, to save on fuel consumption.

The “ON”() position is recommended at electrical load: 0~4000W

When the switch is in the “OFF” position, the engine runs at high speed. It is recommended to run with a continuous high electrical load.

NOTE: Turn the economy control switch to the “OFF” position when a high demand load appliance (such as an induction electric motor) is connected to the generator to minimise voltage variations.

AC Circuit Breaker (15)

While the generator is running, the circuit breaker should be placed into the “ON” position. If the current has exceeded its limits, it will automatically be switched to the “OFF” position.

OFF: The output indicator light (green) is off.

ON: The overload indicator light (red) is on.

Reset Button (18)

The “RESET” button can reset the output of the generator, however the engine will need to be restarted.

Press and hold the “RESET” button for one second, until the overload indicator light (red) is off, and output indicator light (green) is on.

When the generator is not over-loaded, the RESET button is ineffective.

NOTE: For every accumulated 100 hours, the Hour Meter will display “CHECK OIL”. This is a reminder to replace the oil.

Hour Meter (20)

The generator’s hour meter displays the engine’s cumulative working time.

The Min. Scale: 0.1 hours

The Max. Scale: 999 hours

Before Starting the Generator



WARNING!

The generator should be on a flat, level surface and turned OFF.

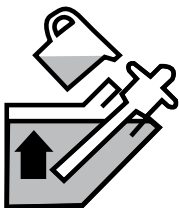
Checking Engine Oil Level

Do not use poor quality oil, it will reduce engine life and void warranty. Use only high quality 4 stroke synthetic blended engine oils certified to meet or exceed API standards: SC, SF, SE.

Ensure the engine is cool. Clean oil fill/dipstick areas of any debris.

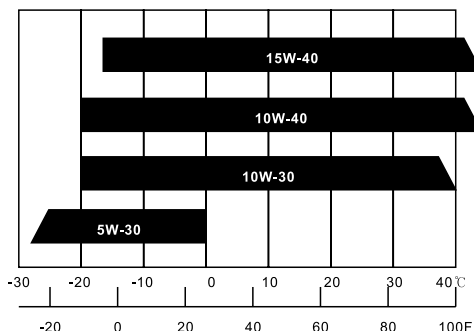
1. Remove the dipstick and wipe off oil.
2. Reinsert the dipstick into the oil filler hole until the lowest point of thread leads.
3. Remove the dipstick and check the oil level. The level should be above the lowest scale on the dipstick.
4. If the oil is low, add recommended oil up to the upper level of the oil filler hole.

Engine Oil Capacity:
1.1L



5. Replace the dipstick and tighten securely.

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



NOTE: Carefully use and store the engine oil - avoid getting dirt or dust into the engine oil. Mixing different kinds of engine oil is prohibited.

NOTE: Running the generator with low oil will damage the engine. The low oil alert system will shut down the engine automatically, before the engine oil reaches below the safety margin.

To avoid the inconvenience caused by unexpected stopping, you should always check the engine oil level before starting.

Checking Fuel Level

Fuel must meet these requirements:

- Clean, fresh, unleaded petrol. Do not add oil to fuel or use fuel older than 30 days.
- Research Octane Number (RON) 90 Octane or higher.
- Bio-fuel blend up to 10% ethyl alcohol unleaded is acceptable. Methyl Tertiary Butyl Ether (MTBE) and unleaded fuel blend (max 15% MTBE by volume) are approved.
- Avoid getting dirt or water into the fuel tank.
- ALWAYS turn fuel switch OFF when generator is not in use.

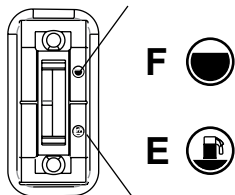


WARNING!

- Fuel is highly explosive and flammable. Use extreme caution when refuelling.
- Turn off generator and let cool completely before refuelling.
- Do not overfill the fuel tank (no fuel above the red upper limit mark). After refuelling, make sure the fuel cap is closed properly and securely. Wipe up any spilled fuel.
- Do not start the generator until all fuel is properly stored and cleaned /evaporated from around the generator.
- Avoid fuel contact with skin or breathing any fuel vapours.
- KEEP OUT OF REACH OF CHILDREN.

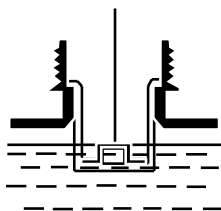
Fuel Capacity : 25L

Highest Fuel Level



Lowest Fuel Level

Upper Limit Mark



NOTE: Do not run the engine without the air cleaner element, otherwise the Warranty will be void.

Checking the Battery

Check the battery connection for correct operation of the electric starting system.

1. Connect red cable to battery positive (+) terminal.
2. Connect black wire to battery negative (-) terminal.
3. Hook battery belt.

If a replacement battery is required it should be purchased with the following specifications:

Voltage: ≤ 12V

Capacity: ≤ 9~18AH

Dimensions: ≤ 181 x 76 x 167mm (LxWxH)

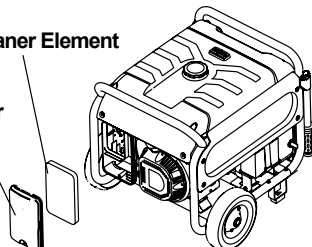
Checking the Air Cleaner

Check the air cleaner element to be sure it is clean and in good condition.

- a. Loosen the air cleaner cover screw and remove the cover.
- b. Check the element, clean or replace if necessary.

Air Cleaner Element

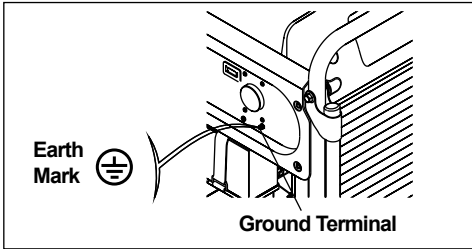
**Air
Cleaner
Cover**



WARNING!

- Battery can contain caustic acid, emit explosive gases or cause electrical shock. Keep away from spark/fire.
- Always use eye protection and protective gloves when working around the battery. Caustic acids and explosive gases can cause blindness and severe burns.
- If battery electrolyte gets into eyes, skin or clothing, flush thoroughly with warm water for 15 minutes, and call for medical assistance immediately.
- For adult operation only. Never touch both battery terminals at the same time with your hand or a non-insulated tool.

Grounding the Generator



WARNING!

Any connection to a building's electrical system: **THE GENERATOR MUST BE ISOLATED FROM MAINS POWER VIA A TRANSFER SWITCH.** This connection must be made by a qualified electrician.

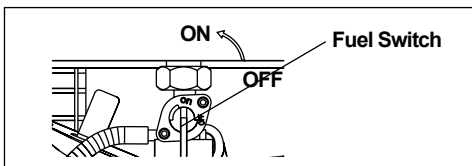
NOTE: The connection of a generating set bonding system to the general mass of earth through an earth electrode is not required or recommended.

Starting the Generator

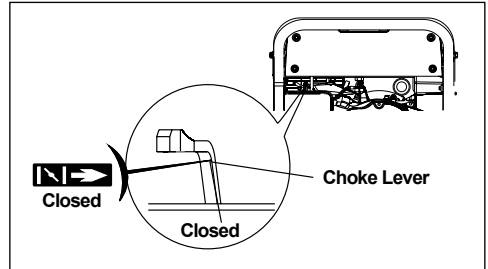
NOTE: Place the generator on a flat, level surface outdoors and disconnect any load at the receptacles. Follow all safety and warning label instructions.

Electric Starting

1. Turn fuel switch to "ON" position and wait for 30 seconds for fuel to fill the carburetor.



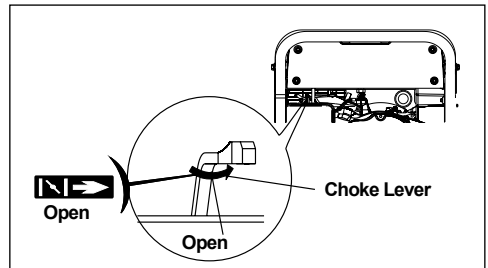
2. Move choke lever to "CLOSED" position.
3. Turn the engine switch to "START" position and hold until engine is running



NOTE: When starting, the engine switch should not stay in the "START" position for more than 5 seconds.

4. After starting, return switch to "RUN" position
5. Once the engine is running, move the choke lever to the "OPEN" position.

NOTE: Do not move the choke lever to "CLOSED" position when the engine is hot or the ambient temperature is high.



NOTE: If the engine stops and will not restart, check the oil level.

Generator Use



WARNING!

Any connection to a mains power system must be made by a qualified electrician.

The generator must be isolated from mains power via a transfer switch, and must comply with the relevant laws and electrical codes.



WARNING!

For continuous operation, do not exceed the rated output power of the generator.

Do not make parallel connection with any other generators.

Do not connect an extension to the exhaust pipe.

When an extension cable is required, be sure to use an appropriate cable.

Keep away from other electric cables or wires.

Carburetor Modification for High Altitude Operation

At high altitudes, the standard carburetor air-fuel mixture will be too rich. Performance will decrease and fuel consumption will increase. A very rich mixture will also foul the spark plug and cause hard starting.

If the generator operates at high altitude, change the main nozzle or adjust the idling screw of the carburetor.

If the generator will always operate at an altitude above 1,000 metres (3,280 feet), con-

tact your generator service or engine authorised dealer to modify the carburetor.

Generator output power should be modified according to the altitude and ambient temperature.



WARNING!

If the carburetor has been modified for high altitude operation, the air-fuel mixture will be too lean for low altitude use. Operation at low altitude may cause the engine to overheat and result in serious engine damage. If operating at low altitude, the carburetor will need to be returned to its original specifications.

AC Applications - 230V Output

1. Start the generator and make sure the output indicator light (green) is on.
 2. Confirm all electrical appliances are off, and then plug into receptacles.
 3. Turn on the AC breaker, and switch on the electrical appliances.
-

NOTE: *Do not exceed the rated output of the generator, this will overload the generator and trip the circuit breakers.*

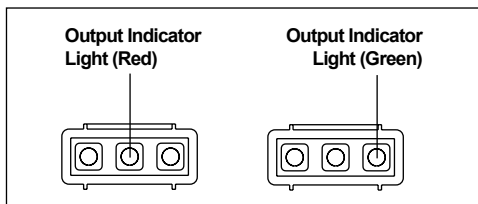
NOTE: *To obtain optimal life from the generator, it should be run at 50% rated load for the first 20 hours, when new.*

NOTE: Ensure all electrical appliances are in good working order before connecting them to the generator. If an electrical appliance becomes abnormal, sluggish or stops suddenly, shut off the engine immediately and disconnect the appliance.

Output and Overload Indicator

Under normal operating conditions, the output indicator light (green) will remain on. If the generator is overloaded (over 6.5kVA), or the connected appliance is short circuited, the output indicator light (green) will switch off and the overload indicator light (red) will turn on. The AC output will switch off, but the engine will continue running.

If the overload indicator light (red) is on, disconnect the electrical appliances and press the "RESET" button to recover the output. Once the overload indicator light (red) switches off and the output indicator light (green) switches on, you may reconnect electrical appliances. If the overload indicator light (red) doesn't switch off, and the output indicator light (green) doesn't switch on, stop the engine and check the generator.

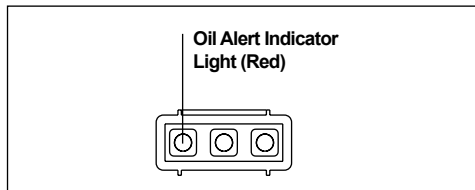


Oil Alert System

The oil alert system is designed to prevent engine damage caused by an insufficient amount of oil in the crankcase. Before the oil level in the crankcase falls below a safe limit,

the oil alert system will automatically shut the engine down (the engine switch remains in the "RUN" position).

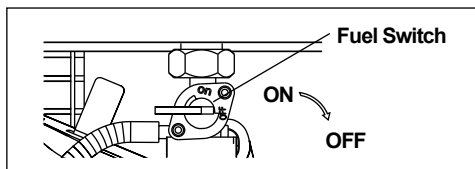
If the oil alert system shuts the engine down, the oil alert indicator light (red) will turn on and the engine will not start.



Stopping the Generator

Normal Shut Down

1. Switch off the connected electrical appliances and pull out their plugs.
2. Turn fuel switch to "OFF" position and let engine run out of fuel. This will extend the life of the fuel delivery systems.



3. Turn engine switch to "STOP" position.

Emergency Shut Down

1. Turn the engine switch to the "STOP" position.
2. Switch off any connected electrical appliances and disconnect from the generator.
3. Turn the fuel switch to the "OFF" position.

Maintenance

Maintenance Schedule

The purpose of the maintenance and adjustment schedule is to ensure the generator is kept in the best operating condition.

Maintain the generator according to the maintenance schedule below. Service items more frequently when used in dusty areas, or under conditions of light load, temperature and humidity.

Maintenance intervals will vary for commercial use, due to the long hours of operation.

NOTE: *Never modify or alter the carburetor in any way. Modifications can create serious safety hazards and will also void the Warranty.*



WARNING!

Shut down the generator before performing any maintenance and let it cool down completely. Use only genuine parts and recommended fluids to replace the wear components.

Maintenance Item	Each Use	After First 10Hrs or First Month*	After First 50Hrs or Every 3 Months*	After 100Hrs or Every 6 Months*	After 200Hrs or Every 2 Years*
Engine Oil	Check	Change	Change	Change	Change
Air Cleaner Element	Check		Clean (1)	Check	Replace
Spark Plug				Check / Adjust	Replace
Spark Arrester		Check	Check	Check/Replace	
Valve Clearance					Check / Adj (2)
Combust. Chamber	Clean every 300 Hours (2)				
Fuel Tank & Filter	Clean every Year (2)				
Fuel Line	Check every 2 Years (Replace if necessary) (2)				

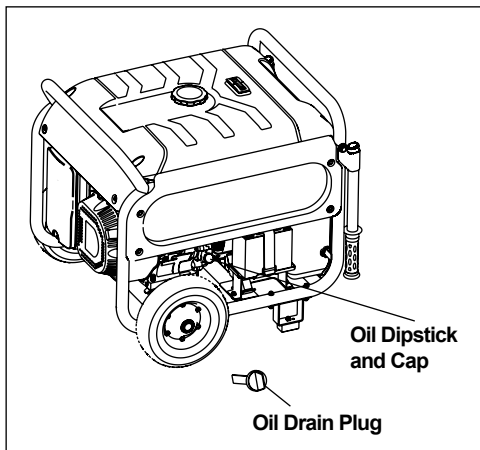
(1) Service more frequently when used in dusty areas.

(2) These items should be serviced by your servicing dealer, unless you have the proper tools and are mechanically proficient.

Changing the Oil

Use protective gloves and drain the oil completely. Ensure the engine has completely cooled down before changing oil.

1. Unhook the battery belt, and remove the battery.
2. Remove dipstick from the engine.
3. Remove oil drain plug and drain oil into the oil collection pan.
4. Once oil is completely drained, fit the oil drain plug.
5. Refill with recommended oil and check the oil level.
6. Place the oil dipstick back into its slot.

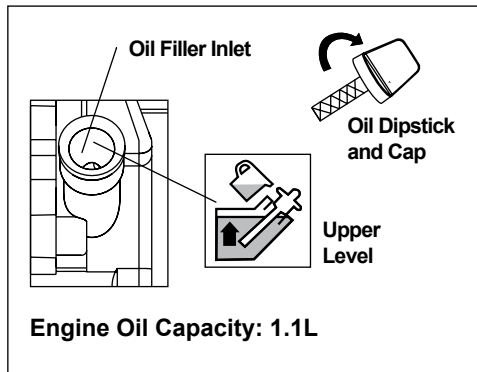


Once oil change is complete, wash your hands with soap.

NOTE: Dispose of used oil in a manner that is compatible with the environment and in accordance with local, state and federal laws and regulations.

NOTE: Used oil should be put into a sealed container and transported to a service station or recycler.

Do not throw oil into the trash, pour it on the ground or pour it down the drain.



Servicing the Air Cleaner

A dirty air cleaner will restrict air flow into the carburetor. Clean and maintain the air cleaner regularly, especially in extremely dusty areas.



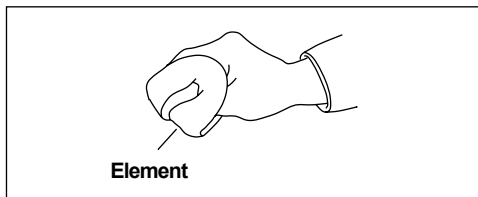
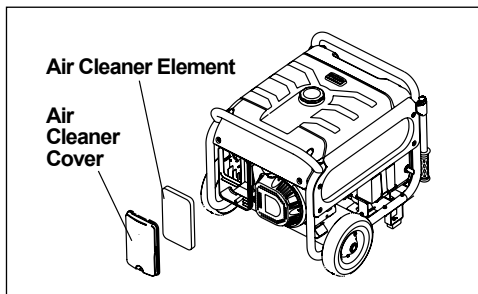
WARNING!

Do not use fuel or low ignition point solvents for cleaning. They are flammable and explosive under certain conditions.

NOTE: Never run the generator without an air cleaner, as this will result in premature engine failure and will void the warranty.

1. Loosen the air cleaner cover screw and remove the cover.
2. Take out the air cleaner element and clean it with detergent and water. Rinse with water and let dry.

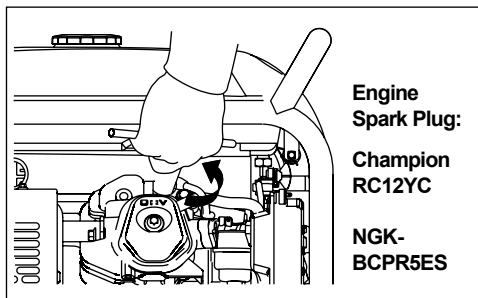
3. Use ~20ml of clean oil to coat the air cleaner element, squeeze out extra oil. If necessary, change cleaner element.



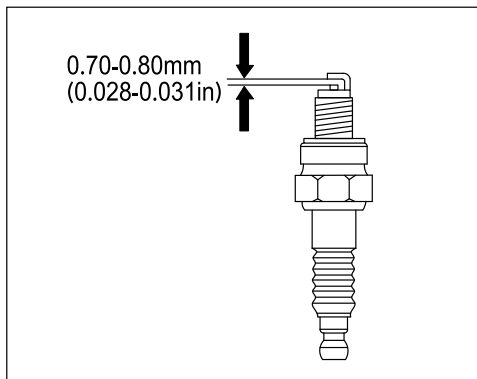
4. Reinstall the air cleaner element and cover.

Servicing the Spark Plug

Check the spark plug gap and clean the carbon deposition at the bottom of the spark plug.



1. Take off the spark plug cap.



2. Remove the spark plug with a spark plug spanner wrench.
3. If the insulation of the spark plug is cracked or chipped, or the electrode is damaged, replace the spark plug with a new one.
4. Check the electrode gap and set it to the gap shown below.
5. Measure the spark plug gap with a feel gauge. The normal size is 0.7-0.8mm. Adjust the gap by bending the electrode carefully.
6. Replace the spark plug carefully by hand, to avoid cross-threading. A new spark plug should be tightened 1/2 turn with a spanner. A used spark plug should be tightened 1/8 to 1/4 turn with a spanner.
7. Replace the spark plug cap.

NOTE: The spark plug must be securely tightened as described above, otherwise damage to the engine will occur.

Never use a spark plug with an improper heat range.

Replacing the Battery

Replacement battery should be within the following specifications:

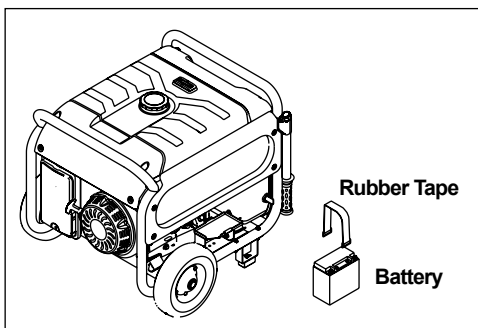
Voltage: $\leq 12V$

Capacity: $\leq 9\sim 18AH$

Dimensions: $\leq 181 \times 76 \times 167mm$ (LxWxH)

When the engine is running, the battery will charge by the charging system on the generator. If the battery has been stored for a long period, it will need to be charged prior to use.

If using an alternative charging system, the charging current should be less than 0.15c Amperes (c: battery rated capacity).



1. Unhook the rubber tape.
2. Remove the black cable from the battery negative (-) terminal, and then remove the red cable from the battery positive (+) terminal.
3. Remove the battery from the battery tray and replace with a new one.
4. Reconnect red cable to battery positive (+) terminal, and reconnect black cable to battery negative (-) terminal.
5. Hook the rubber tape.

Replacing the Fuse

If the engine can't be started due to low speed of the starter motor, check charging fuse or battery voltage. If starter motor does not actuate during electric starting, check the starting fuse:

1. Remove fuse holder located near battery.
2. Hold and twist the two ends of the fuse holder.
3. If the fuse has blown, replace it.
4. Replace the fuse into the holder.

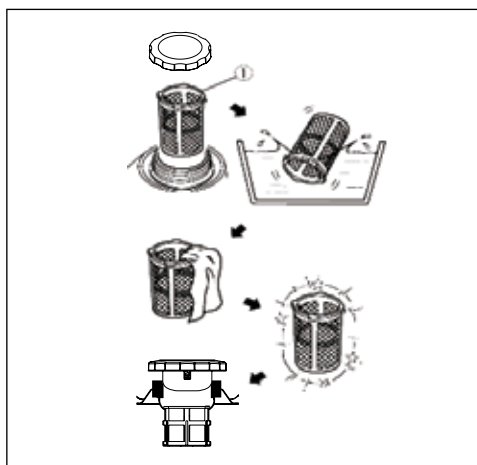
Fuse Specifications

Starting fuse: 4A, 250V/120V

Charging fuse: 2A, 250V/125V

Cleaning the Fuel Tank Filter

1. Remove the fuel cap and filter.
2. Clean the filter with solvent.
3. Wipe the filter and insert it.



Transporting and Storage

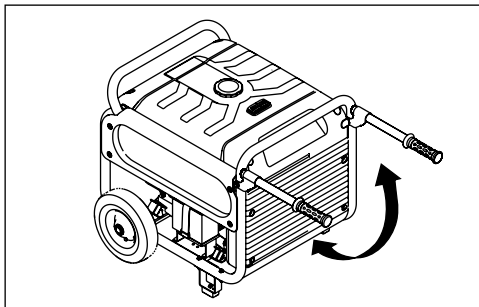


WARNING:

Avoid fuel spillage during transporting or storing. Do not overfill the fuel tank and check that the fuel switch is in the "OFF" position.

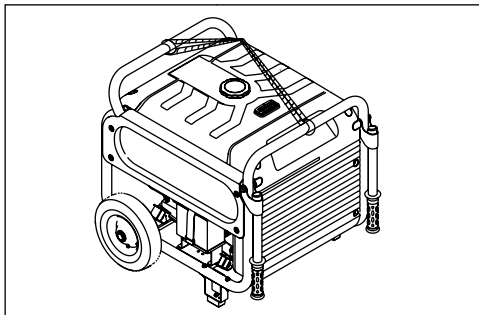
Transporting on the Ground

1. Lift the folding handles upward.
2. Lift the front of the generator using the handles, and push the generator by the rear wheels.



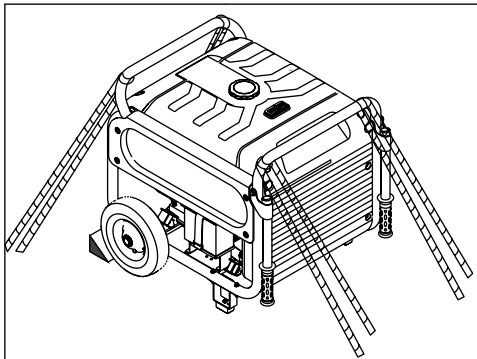
Transporting in a Vehicle

1. With the help of a second person, hold each of the lifting bars on either side of the



generator, or secure rope to the lifting bars (as shown), and use the rope to lift.

2. Ensure the generator is secured in the vehicle.



WARNING:

Do not use the generator in the transport vehicle.

Avoid direct exposure to the sun when the generator is in the transport vehicle for an extended time. The transport vehicle must be well ventilated. High temperature inside the vehicle could cause fuel to vaporise resulting in a possible explosion.

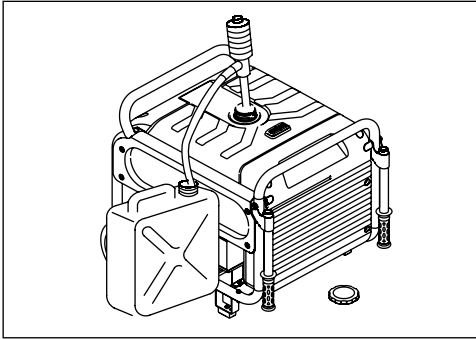
Drain off the fuel when the generator is transported on rough road.

Storing for Long Periods

If the engine will be out of service for 2 months or more, follow the procedure below:

1. Drain off any fuel in the fuel tank with a fuel pump, and store the fuel in a suitable fuel container.
2. Start the generator and run off any excess fuel. Once the generator shuts off, turn the

engine switch and fuel switch to the “OFF” position.



Calculating Your Power Needs

1. Using the chart on the following page as a guide, list all items requiring power simultaneously.
2. Then add up all the “running wattage” requirements for all items.
3. Add to that total the highest of the “starting wattages” you listed down. Now you know approximately how much power you need to start and run your appliances and equipment.

Tool or Appliance	Running Watts	Starting Watts
1.		
2.		
3.		
4.		
5.		
Total Running Watts		
Highest Starting Watts		

= Generator Power Needs



WARNING:

Fuel is highly flammable and can be explosive. Only handle fuel outdoors and keep sparks, heat and flames away. Wipe up any spills immediately.

Wattage Reference Guide

Appliances	Approx Run (W)	Approx Start (W)	Appliances	Approx Run (W)	Approx Start (W)
Microwave 750W	750	1200	Central Air Conditioner:		
Coffee Maker	1750	1750	10,000 BTU	1500	2200
Electric Clothes Drier	5750	5750	24,000 BTU	3800	5000
Washing Machine	1150	2300	32,000 BTU	5000	6500
Refrigerator	700	2200	Room Air Conditioner		
Lights	100	100	10,000 BTU	1500	2200
Colour Television	350	350	Circular Saw 7 1/4"	1400	2300
Electric Frypan	1500	1500	Chainsaw 2HP	1100	2500
Dehumidifier	400	400	Portable Air Compressor	1200	3600
Computer - Desktop	700	700	Hand Drill 1/2"	600	900
VCR	50	50	Drill 1/2"	600	900
Dishwasher - Cool Dry	700	1400	Battery Charger - 15 amp	500	700
- Hot Dry	1450	2000	Electric Welder - 200 amp AC	9000	9000
Toaster - 2 Slice	1250	1250	Jigsaw	300	400
- 4 Slice	1600	1600	Electric Weed Trimmer	500	650
Freezer	2200	2500	Router	1000	1300
Hair Dryer	800-1700	800-1700	Belt Sander	1000	1300
Steam Iron	1800	1800	Table Saw 10"	1750	4250
Garage Door Opener - 1/4 HP	550	1100	Bench Grinder	1400	2450
- 1/3 HP	725	1400	Concrete Mixer 3.5c/f	1900	2500
Radio	200	200	Band Saw	1100	1350
Blender	375	500	Power Drill - Medium	1000	1200
Sump Pump 1/2 HP	1050	2150	- Heavy Duty	1500	1800
Well Pump 1/2 HP	1000	2100	Angle Grinder - 100mm	1000	1200
Household Water Pump	1200	2700	- 230mm	2400	2700

This chart lists average power requirements. Your particular tool or appliance may require more or less than the listed wattage. For exact wattages, check the data plate or owner's manual on the item you wish to power. Where START wattage is the same as RUN wattage, this signifies no additional power is required for starting.

**Total Running Watts +
Highest Starting Watts
= Generator Power Needs**



CAUTION!

Operating voltage and frequency requirement of all electronic equipment should be checked prior to plugging them into this generator. Damage may result if the equipment is not designed to operate within a +/- 10% voltage variation, and +/- 3 Hz frequency variation from the generator specification ratings.

Troubleshooting



WARNING!

Before attempting to service or troubleshoot the generator, the owner or service technician must first read and understand this instruction manual and comply with all safety instructions. Failure to follow all instructions may result in conditions leading to voiding of the product warranty, serious personal injury, property damage or even death.

Trouble	Possible Cause	Suggested Remedy
Engine will not start or will not keep running	1. Low on fuel	1. Add fuel / oil mix
	2. Low on oil	2. Check oil level and top up
	3. Faulty spark plug	3. Replace spark plug
	4. Choke in wrong position	4. Adjust choke accordingly
	5. Fuel tap in closed position	5. Open fuel tap
	6. Unit loaded during start-up	6. Remove load from unit
	7. Spark plug wire loose	7. Attach wire to spark plug
	8. Dirty fuel filters	8. Clean filters as per instructions
No electrical output	1. Faulty receptacle	1. Have service centre replace receptacle
	2. Circuit breaker kicked out	2. Depress and reset
	3. Defective inverter unit	3. Have service centre replace inverter unit
	4. Faulty power cord	4. Replace cord
Repeated circuit breaker tripping	1. Overload	1. Reduce load
	2. Faulty cords or equipment	2. Check for damaged, bare or frayed wires on equipment. Replace.
	3. Circuit breaker is faulty	3. Have service centre replace circuit breaker
Generator overheating	1. Generator overloaded	1. Reduce load
	2. Insufficient ventilation	2. Move to adequate supply of fresh air

Warranty

As part of an on-going commitment to excellence in product support, Euroquip offers a comprehensive product warranty program.

In order to qualify for full warranty support, your product must be registered. Product not registered with Euroquip is supported by a base 12 month warranty only. Spare parts and technical support will not be available for an unregistered product outside of this base warranty period. If a Euroquip dealer has not already registered your product, please register it online or download a physical registration form at www.euroquip.co.nz.

Registered warranty period for the GT7005EFI

Commercial Use: 24 Months

Domestic Use: 24 Months

Warranty covers failure caused by manufacturing and material defects in the product, during the warranty period specified. The warranty period begins when the product is purchased by the end user. Warranty is not transferrable and is only claimable by the original purchaser.

Warranty does not cover parts that are subject to wear and tear from usage.

Warranty covers failure of a product caused by defective materials and/or manufacturing for the period given and the usage specified by Euroquip. The warranty period begins when the product is purchased by the end user. Warranty is not transferrable and is only claimable by the original purchaser.

Warranty also does not cover failure caused by the untimely replacement or service of the above wearing parts. Evidence must be provided that the product has been maintained and serviced suitably for a claim to be considered under warranty.

Failure caused by incorrect operation of the product, lack of proper care and maintenance of the

product, external damage, external circumstances such as contaminated fuel or poor water supply, modifications to the product, attempted repair/service by a party other than an Approved Service Agent, is not covered under warranty.

Warranty does not cover pre delivery service and adjustment, or failure that may occur as a result of lack of/ incorrect pre delivery service and adjustment.

Warranty does not cover any incidental, indirect or consequential loss, damage or expense that may result from any defect, failure or malfunction of a product.

Should any issue be found to be a combination of a warranty failure and a non-warranty issue, the repair cost component to rectify and repair the non-warranty failure is the customers' full responsibility.

The decision that an issue with a product qualifies as a warranty claim is made at the sole jurisdiction of Euroquip.

No costs incurred will be considered under warranty if repairs are carried out by a party other than a Euroquip Approved Service Agent, unless with prior consent in writing from Euroquip.

It is the responsibility of the purchaser to deliver a product under warranty to the nearest relevant service agent or product reseller. Warranty does not cover call outs, mileage and freight costs.

If a product is repaired under warranty, parts and labour required for the repair will be supplied at no charge. Warranty assessment and repair will be scheduled and executed according to the normal work flow at the service location and depending on the availability of suitable replacement parts.

This warranty policy is an additional benefit and does not affect the legal rights of any end user, reseller or service agent.

Serial Number: _____

Model: _____

Date Purchased: _____

Retailer Purchased From: _____



Scan here to register your product
www.gtpower.co.nz

Please attach your proof of purchase here.



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 service network. To locate your nearest distributor or service agency visit www.euroquip.co.nz or email us at customerservice@euroquip.co.nz.