

DECLARATION OF CONFORMITY

1. **Product model:** IM1800IFG

2. **Name and address of the manufacturer or his authorised representative:**



NAP BRANDS LTD. Office 20, Fleming Court Business Centre,
Leigh Road, Eastleigh, Hampshire SO50 9YN
Tel: +44 (0)23 8064 9650. Email: sales@napbrands.co.uk

3. **This declaration of conformity is issued under the sole responsibility of the manufacturer.**

4. **Object of the declaration:**

Equipment: 1800W Inverter Generator
Brand name: IMPAX
Model/type: IM1800IFG

5. **The object of the declaration described above is in conformity with the relevant statutory requirements:**

Supply of Machinery (Safety) Regulations 2008
Electrical Equipment (Safety) Regulations 2016
Electromagnetic Compatibility Regulations 2016
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012
Noise Emission in the Environment by Equipment for use Outdoors Regulations 2001
Measured Sound Power Level: 89dB(A), Declared Guaranteed Sound Power Level: 92dB(A)

6. **References to the relevant designated standards used or references to the other technical specifications in relation to which conformity is declared:**

BS EN 8528-13
BS EN 55012
BS EN 61000-6-1
BS EN ISO 3744

7. **The person authorized to compile the technical file:**

Name: Robert Redfern

Address: Nap Brands Ltd. Office 20, Fleming Court Business Centre, Leigh Road, Eastleigh, Hampshire SO50 9YN

Signed for and on behalf of:

Authorised Representative

Robert Redfern, Technical Manager
04/03/2021

A handwritten signature in black ink, appearing to read 'Robert Redfern', is written over a large, faint 'UK' watermark.

**UK
CA21**



1800W INVERTER GENERATOR

IM1800IFG



Always Read Instruction Manual
Retain for Future Reference

CERTIFICATE OF GUARANTEE

This product is guaranteed for a period of 1 Year, with effect from the date of purchase and applies only to the original purchaser. This guarantee only applies to defects arising from, defective materials and or faulty workmanship that become evident during the guarantee period only and does not include consumable items. The manufacturer will repair or replace the product at their discretion subject to the following. That the product has been used in accordance with the guidelines as detailed in the product manual and that it has not been subjected to misuse, abuse or used for a purpose for which it was not intended. That it has not been taken apart or tampered with in any way whatsoever or has been serviced by unauthorised persons or has been used for hire purposes. Transit damage is excluded from this guarantee, for such damage the transport company is responsible. Claims made under this guarantee must be made in the first instance, directly to the retailer within the guarantee period. Only under exceptional circumstances should the product be returned to the manufacturer. In this case it shall be the consumer's responsibility to return the product at their cost ensuring that the product is adequately packed to prevent transit damage and must be accompanied with a brief description of the fault and a copy of the receipt or other proof of purchase. The manufacturer shall not be liable for any special, exemplary, direct, indirect, incidental, or consequential loss or damage under this guarantee. This guarantee is in addition to and does not affect any rights, which the consumer may have by virtue of the Sale of Goods Act 1973 as amended 1975 and 1999.

INTRODUCTION

Thankyou for purchasing this product which has passed through our extensive quality assurance process. Every care has been taken to ensure that it reaches you in perfect condition. However, in the unlikely event that you should experience a problem, or if we can offer any assistance or advice please do not hesitate to contact our customer care department. For details of your nearest customer care department please refer to the telephone numbers at the back of this manual.

Safety First

Before attempting to operate this product the following basic safety precautions should always be taken to reduce the risk of fire, electric shock and personal injury. It is important to read the instruction manual to understand the application, limitations and potential hazards associated with this product.

HELPLINE & SPARE PARTS

In the unlikely event of a defect occurring please contact our Helpline.

Office hours: Monday - Friday 9:00am – 5:00pm.

Telephone Number 0344 264 2485

IMPORTANT SAFETY INFORMATION

The purpose of safety rules is to attract your attention to possible dangers. The safety symbols and the explanations with them, require your careful attention and understanding. The safety warnings do not by themselves eliminate any danger. The instruction or warnings they give are not substitutes for proper accident prevention measures.



SAFETY ALERT SYMBOL. Indicates caution or warning. May be used in conjunction with other symbols or pictures.

Failure to obey a safety warning can result in serious injury to yourself or to others. Always follow the safety precautions to reduce the risk of fire, electric shock and personal injury.

Do not attempt to operate this tool until you have read thoroughly and completely understood the safety rules, etc. contained in this manual. Failure to comply can result in accidents involving fire, electric shock or serious personal injury. Save this Owners Operating Manual and review it frequently for continual safe operation and for instructing others who may use this tool.



Do not use E15 or E85 fuel in this product. It will damage the unit and void your warranty. Only use unleaded gasoline containing up to 10% ethanol.

Due to continued product refinement policy, product features and specifications can and will change without notice. Check current features and specifications with your retailer.



DANGER: CARBON MONOXIDE. Using a generator indoors **CAN KILL YOU IN MINUTES.**

Generator exhaust contains high levels of carbon monoxide (CO), a poisonous gas you cannot see or smell. If you can smell the generator exhaust, you are breathing CO. But even if you cannot smell the exhaust, you could be breathing CO.

Never use a generator inside homes, garages, crawlspaces, or other partly enclosed areas. Deadly levels of carbon monoxide can build up in these areas. Using a fan or opening windows and doors does NOT supply enough fresh air.

ONLY use a generator outdoors and far away from open windows, doors, and vents. These openings can pull in generator exhaust.

Even when you use a generator correctly, CO may leak into the home. ALWAYS use a battery powered or battery-backup CO alarm in the home.

If you start to feel sick, dizzy, or weak after the generator has been running, move to fresh air RIGHT AWAY. See a doctor. You could have carbon monoxide poisoning.



WARNING: Read and understand all instructions. Failure to follow all instructions listed below could result in electrocution, fire, and/or carbon monoxide poisoning, which can cause death or serious injury.



WARNING: In some applications, National Electric Code requires the generator to be grounded to an approved earth ground. Before using the ground terminal, consult a qualified electrician, electrical inspector, or local agency having jurisdiction for local codes or ordinances that apply to the intended use of the generator.

SAVE THESE INSTRUCTIONS

The generator must be mounted on a firm level surface.

Do not allow children or untrained individuals to use this unit.

Keep all bystanders, children, and pets at least 10 feet away.

Wear sturdy and dry shoes or boots. Do not operate while barefoot.

IMPORTANT SAFETY INFORMATION

Do not operate generator when you are tired or under the influence of drugs, alcohol, or medication.

The electrical output load must not exceed the maximum load stated on the rating plate. Exceeding the rated load will damage the unit or shorten its life and will invalidate the guarantee.

The engine must not be run at speeds that exceed the maximum stated on the rating plate.

Operating an engine at excessive speeds increases the hazard of personal injury.

Do not tamper with components, which may increase or decrease the governed speed.

Mains extension leads, mains supply leads, and all electrical equipment must be in good working condition.

Never operate electrical equipment with damaged or defective mains supply leads.

Keep the area around the generator clear of obstructions at all times. Never locate the generator against a building or near a canvas or plastic structure i.e. Tents etc.

Always use the correct fuel mix as stated in the user manual and on the rating plate.

To reduce the risk of fire and burn injury, handle fuel with care. It is highly flammable.

Do not smoke while handling fuel.

Store fuel in a container approved for gasoline.

To prevent fire, always stop the engine and allow to cool for five minutes before refueling and never over fill the fuel tank.

Loosen fuel cap slowly to release pressure and to keep fuel from escaping around the cap.

Tighten the fuel cap securely after refueling.

Wipe spilled fuel from the unit.

Never attempt to burn off spilled fuel under any circumstances.

Always clean up spilt fuel immediately using sand.

Do not use the generator in or near an explosive atmosphere.

To prevent an electric shock, never operate the machine in rain, snow or touch with wet hands.

Check the fuel system periodically for leaks. Seals and hoses should be checked for signs of deterioration or chafing. Check for loose or missing clamps damaged fuel tank or filler cap. All defects should be corrected before further use.

Always allow the generator to reach full operating speed before connecting any electrical load. Always disconnect the electrical load before switching the generator off.

To prevent surging that may possibly damage electrical equipment, do not allow engine to run out of fuel while electrical loads are connected.

Before transporting the generator in a vehicle, drain all fuel to prevent spillage.

To prevent an electric shock and fire, never connect an electrical load with the electrical output switched on.

Do not connect the generator to any other electrical source.

Before storing, allow the engine to cool for 30 minutes and drain fuel from the unit.

Do not store the generator in rain, snow, or wet weather.

Store the generator in a well-ventilated area with the fuel tank empty. Fuel should not be stored near the generator.

Empty fuel tank, place the engine switch/fuel valve/choke lever in the OFF position, and restrain the unit from moving before transporting in a vehicle.

Provide a plastic sheet or absorbent pad below the generator to catch any drips of fuel or lubricant when transporting.

Generators vibrate in normal use. During and after the use of the generator, inspect the generator as well as extension cords and power supply cords connected to it for damage resulting from vibration. Have damaged items repaired or replaced as necessary. Do not use plugs or cords that show signs of damage such as broken or cracked insulation or damaged blades.

IMPORTANT SAFETY INFORMATION

For power outages, permanently installed stationary generators are better suited for providing back-up power to the home. Even a properly connected portable generator can become overloaded. This may result in overheating or stressing the generator components, possibly leading to generator failure.

Inspect the unit before each use for loose fasteners, fuel leaks, etc. Replace damaged parts.

Use only recommended or equivalent replacement parts and accessories. Use of any other parts or failure to follow maintenance instructions may create a risk of shock or injury.

FUEL FILLING SAFETY RULES



DANGER: RISK OF FIRE AND SERIOUS BURNS.

Never remove fuel cap when unit is running. Shut off engine and allow the unit to cool at least five minutes. Remove cap slowly.



WARNING: Select bare ground for fuelling and move at least 10 feet (3m) from fuelling spot before starting the engine. After refuelling, properly tighten fuel cap; wipe off any spilled fuel and check for leakage.



WARNING: If fuel gets spilled on clothes, especially trousers, it is very important to change clothes immediately. Do not rely on evaporation. Flammable quantities of fuel may remain on clothes after a spill for longer than expected.



WARNING: Vibrations can cause an improperly tightened fuel cap to loosen or come off and spill quantities of fuel. In order to reduce the risk of fuel spillage and fire, tighten fuel filler cap by hand as securely as possible. Before use always make sure that the fuel cap has been properly tightened. Check for fuel leakage while refuelling and during operation. If a fuel leak is suspected, do not start or run the engine until leak is fixed and spilled fuel has been wiped away.

ADDING FUEL

Turn the generator off and let it cool for at least five minutes before removing the fuel cap. Loosen the cap slowly to relieve pressure in the tank.

Only fill or drain fuel outdoors in a well-ventilated area.

DO NOT pump gasoline directly into the generator at the gasoline station. Use an approved container to transfer the fuel to the generator.

DO NOT overfill the fuel tank.

Always keep fuel away from sparks, open flames, pilot lights, heat and other sources of ignition.

DO NOT light or smoke cigarettes.

WHEN STARTING THE GENERATOR

DO NOT attempt to start a damaged generator.

Make certain that the gas cap, air filter, spark plug, fuel lines and exhaust system are properly in place.

Allow spilled fuel to evaporate fully before attempting to start the engine.

Make certain that the generator is resting firmly on level ground.

WHEN OPERATING THE GENERATOR

DO NOT move or tip the generator during operation.

DO NOT tip the generator or allow fuel or oil to spill.

WHEN TRANSPORTING OR SERVICING THE GENERATOR

Make certain that the fuel shutoff valve is in the off position and the fuel tank is empty.

Disconnect the spark plug wire.

When storing the generator:

Store away from sparks, open flames, pilot lights, heat and other sources of ignition.

SPECIFIC SAFETY INFORMATION



WARNING: When this generator is used to supply a building wiring system: the generator must be installed by a qualified electrician and connected to a transfer switch as a separately derived system in accordance with UK Wiring Rules. The generator shall be connected through a transfer switch that switches all conductors other than the equipment grounding conductor. Failure to isolate the generator from power utility can result in death or injury to electric utility workers.

Exhaust fumes contains poisonous carbon monoxide, a colourless, odourless gas. Breathing exhaust fumes can cause loss of consciousness and can lead to death. If running in a confined or partially enclosed area, the air may contain a dangerous amount of carbon monoxide. To keep exhaust fumes from building up, always provide adequate ventilation.

Always use a battery-powered carbon monoxide detector when running the generator. If you begin to feel sick, dizzy, or weak while using the generator, shut it off and get to fresh air immediately. See a doctor. You may have carbon monoxide poisoning.

Place the generator on a flat, stable surface with a slope of no more than 4°.

Operate in a well-ventilated, well-lit area isolated from working areas to avoid noise interference.

Operating the generator in wet conditions could result in electrocution. Keep the unit dry.

Keep the generator a minimum of 1m away from all types of combustible material.

Do not operate the generator near hazardous material.

Do not operate the generator at a petrol station.

Do not touch the muffler or cylinder during or immediately after use; they are HOT and will cause burn injury.

Do not connect to a building's electrical system unless a transfer switch has been properly installed by a qualified electrician.

Do not allow the generator's fuel tank to overflow when filling. Fill to 25mm below the top neck of the unleaded fuel tank to allow for fuel expansion.

Check the ventilation hole inside the fuel tank cap for debris. Do not block the vent.

Do not smoke when filling the generator with unleaded fuel.

Allow the engine to remain in a shut-down condition for at least five minutes before adding unleaded fuel or oil.

Do not remove the oil dipstick or the fuel tank cap when the engine is running.

Pay close attention to all safety labels located on the generator.

Keep children a minimum of 3m away from the generator at all times.

The unit operates best in temperatures between 5°C and 40°C with a relative humidity of 30~95%.

Operation of the generator at altitudes above 1,000m may require retuning. Consult a qualified service technician.

When using extension lines or mobile distribution networks the total length of lines for a cross section of 1.5mm² should not exceed 60m; for a cross section of 2.5mm² this should not exceed 100m.

The generating set must not be connected to other power sources

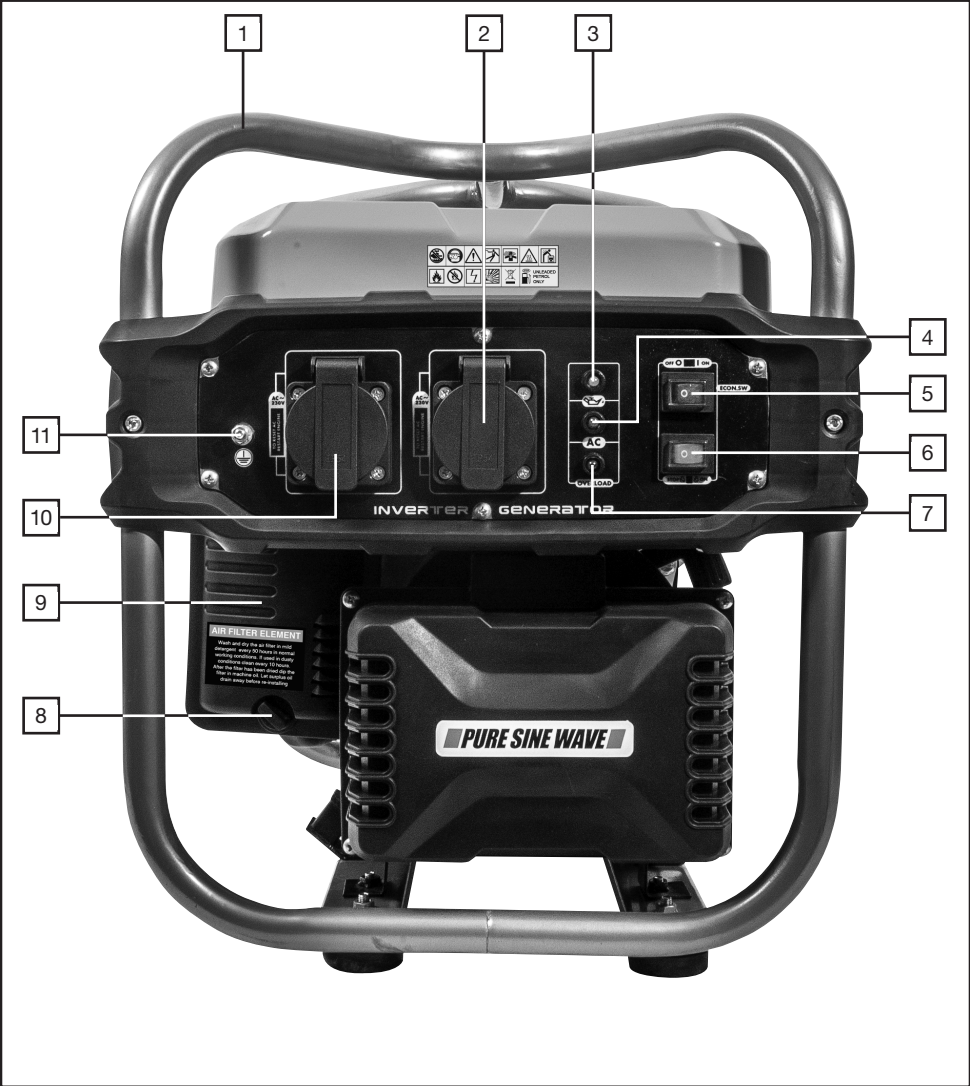
Save these instructions. Refer to them frequently and use them to instruct others who may use this tool. If you loan someone this tool, loan them these instructions also.

Rotating parts can entangle hands, feet, hair, clothing and/or accessories. Keep hands and feet away from rotating parts. Tie up long hair and remove jewellery. Operate equipment with guards in place. DO NOT wear loose-fitting clothing, dangling drawstrings or items that could become caught.

Sparks can result in fire or electrical shock.

When servicing the generator: Disconnect the spark plug wire and place it where it cannot contact the plug. DO NOT check for spark with the plug removed. Use only approved spark plug testers.

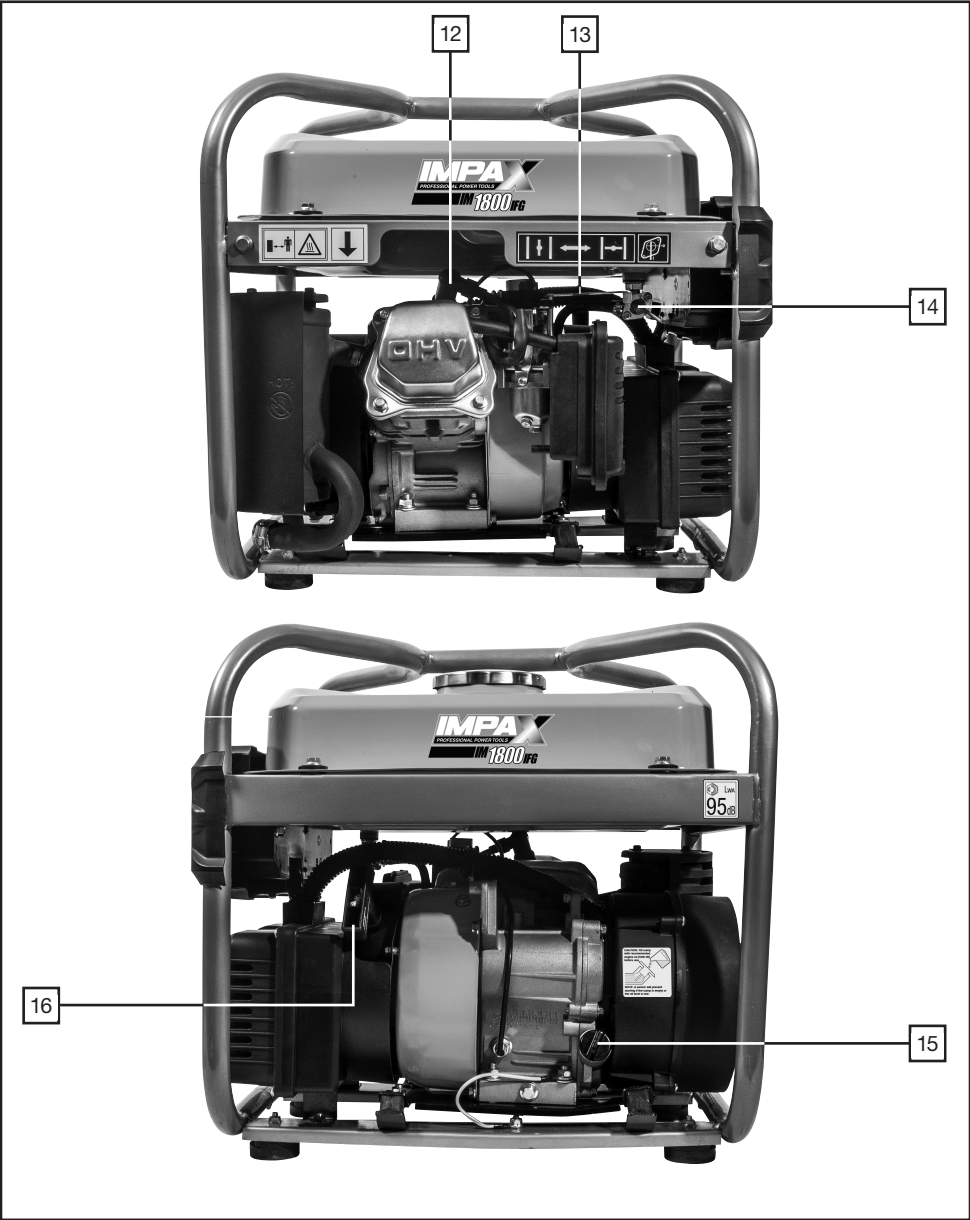
COMPONENTS



Component List

- | | |
|---------------------------------|--------------------------------------|
| 1. Frame | 6. Engine On/Stop switch |
| 2. AC socket (Right side) | 7. Engine overload indicator (red) |
| 3. Oil alert indicator (yellow) | 8. Air filter cover connection screw |
| 4. AC power indicator (green) | 9. Air filter cover |
| 5. Economy control switch | 10. AC socket (Left side) |
| | 11. Ground (earth) terminal |

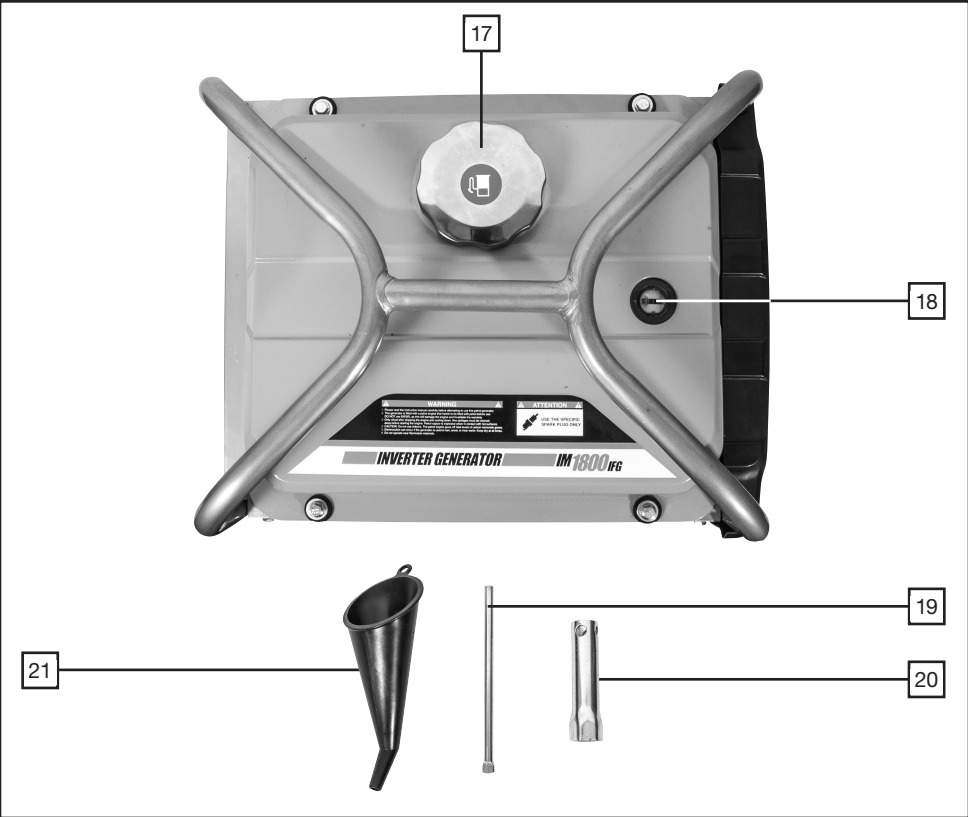
COMPONENTS



Component List
12. Spark plug cap
13. Choke lever

14. Fuel valve
15. Oil filler cap/dipstick
16. Recoil starter grip

COMPONENTS



Component List

- 17. Fuel cap
- 18. Fuel gauge
- 19. Screwdriver
- 20. Spark plug socket
- 21. Funnel

TECHNICAL SPECIFICATION

AC output:	230V~50Hz	Fuel type:	Unleaded petrol
Rated power:	1800W	Oil type:	SAE 10W-30
Peak power:	2000W	Oil capacity:	0.4L
Rated current:	7.8A	Ignition system:	C.D.I.
Phase:	Single	Starting system:	Recoil starter
Power factor:	cosφ=1	Spark plug type:	E7RTC
Displacement:	119cc	Net weight:	21kg
Engine:	4 stroke, OHV	Protection:	IP23M
No load speed (low):	2800min ⁻¹	Performance class:	G1
No load speed (high):	3300min ⁻¹	Max. temperature:	40°C
Rated load speed:	3800min ⁻¹	Max. altitude:	1000m
Continuous operating time:	10hrs (70% load)	Quality class:	A
Fuel tank capacity:	10L	Sound power level (7m away):	65dB(A)

UNPACKING



CAUTION! This packaging contains sharp objects. Take care when unpacking. Remove the machine, together with the accessories supplied, from the packaging. Check carefully to ensure that the machine is in good condition and account for all the accessories listed in this manual. Also make sure that all the accessories are complete. If any parts are found to be missing, the machine and

its accessories should be returned together in their original packaging to the retailer.

Do not throw the packaging away, keep it safe throughout the guarantee period, then recycle if possible, otherwise dispose of it by the proper means. Do not let children play with empty plastic bags due to the risk of suffocation.

PRE-OPERATION CHECK

THIS GENERATOR HAS BEEN SHIPPED WITHOUT ENGINE OIL. DO NOT START THE ENGINE UNTIL IT HAS BEEN FILLED WITH SUFFICIENT ENGINE OIL.

CHECKING THE ENGINE OIL



WARNING. Running the generator with insufficient engine oil can cause serious engine damage.

Engine oil should be replaced during regular maintenance or when the oil level is below the end of the dipstick.



WARNING. Before checking or replacing oil, make sure the engine is fully stopped and the generator is situated on a stable and level surface.

ADDING ENGINE OIL

Engine oil has a major influence on engine performance and service life. For general, all temperature use, SAE 10W-30 or 10W-40 is recommended. Always use a 4-stroke motor oil. Non-detergent or 2-stroke engine oils will damage the engine and should not be used.

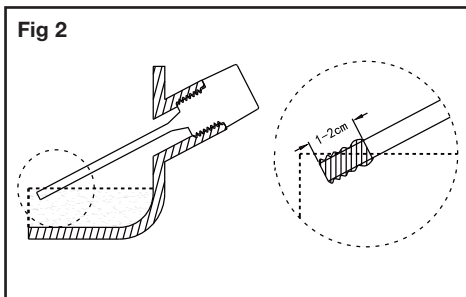
Place the generator on an even surface and unscrew the oil filler cap/dipstick (Fig.1).



Fig 1

Wipe dipstick clean and re-seat in hole; do not re-thread. Remove dipstick again and check the oil level. The oil level should fall within the level indicator area on the dipstick. If level is low, add engine oil until the fluid level rises to the upper portion of the level indicator area on the dipstick (Fig.2).

Fig 2



Replace and secure the oil cap/dipstick and return the generator to the stand position.

CHECKING/ADDING FUEL



DANGER! STOP engine before adding fuel. This engine is certified to operate on unleaded gasoline. Unleaded gasoline produces fewer engine and spark plug deposits and extends exhaust system life.



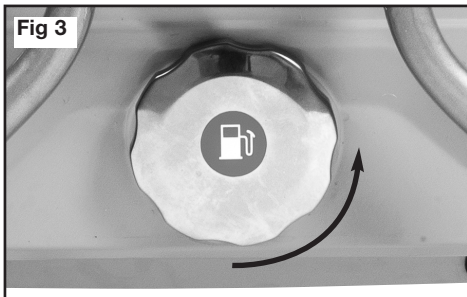
WARNING! Never use stale or contaminated gasoline or an oil/gasoline mixture. Avoid getting dirt or water in the fuel tank.

Petrol is extremely flammable and explosive under certain conditions.

Do not smoke or allow flames or sparks where the generator is refuelled or where Petrol is stored.

PRE-OPERATION CHECK

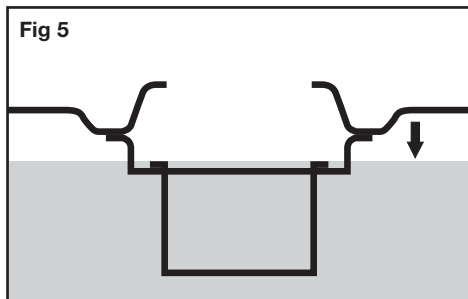
Remove the fuel cap (Fig.3).



Remove and clean the fuel filter (Fig.4).



Slowly fill the tank with unleaded petrol. The fuel tank should not be filled above the top of the fuel filter (Fig.5).



Replace and secure the fuel cap. Never use old, stale, or contaminated unleaded fuel, and do not use an oil/fuel mixture. Do not allow dirt or water into the fuel tank.

Refuel in a well-ventilated area.

Do not let fuel spill over the generator casing. If there is some fuel spillage, be sure that it has evaporated before starting the engine.

Avoid touching gasoline or breathing in gasoline fumes.

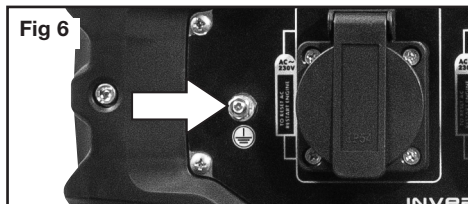
LOCATION AND GROUNDING

Before using this generator it must be prepared correctly before use. Locate the generator on firm level ground away from buildings or other structures ensuring that the exhaust is not obstructed.

WARNING! It is advisable to properly earth-ground your generator before starting using a wire and a small earth stake. Note: The wire and earth stake are not supplied with the unit.

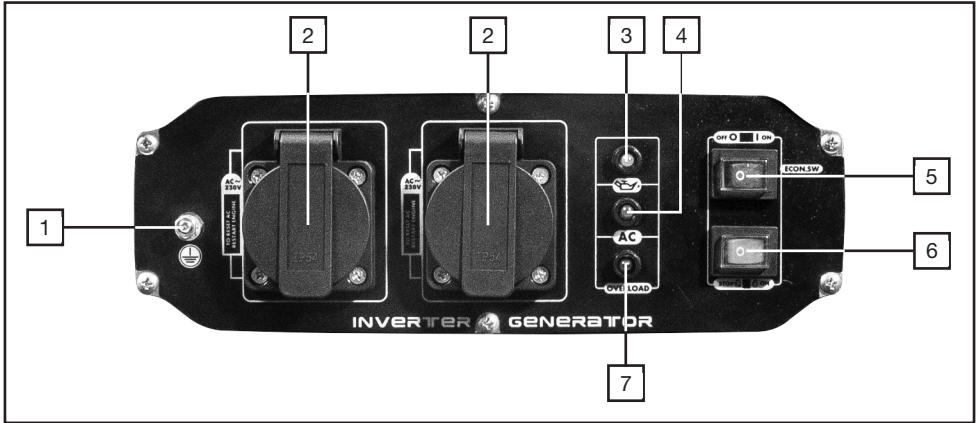
Earth spike and cable can be purchased at your local camping supplies, or alternatively an earth spike can be made, and it is suggested you get advice from a registered electrical trades person. To make a spike use a copper tube or copper rod 12mm diameter, a minimum length of 200mm and with an M6 machine screw one end. The cable used should be a maximum length of 1 metre and a minimum of 1.0mm² to carry a 10amp load. The cable should be

attached to the generator at the earth point (Fig.6) and to the spike between a flat washer and the copper with a lock washer under the head of the M6 Machine screw in a similar fashion to the earth point screw on the generator.



When placing the spike into the ground the generator must not be running and it is suggested that the spike is pushed into the ground by at least 100mm so that it is firm and a litre of water poured around it to ensure good earth continuity.

UNDERSTANDING THE CONTROL PANEL



1. Ground (earth) terminal. (See page 11.)
2. AC sockets which supply rated output.
3. 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 can fall below a safe limit, the Oil Alert indicator light comes on and the Oil Alert system automatically will stop the engine (the engine On/Off switch will remain in the ON position). If the engine stops or the Oil Alert indicator light comes on when you pull the starter grip, check the engine oil level.
4. AC power indicator light (green). It indicates that the generator is producing electrical power at the sockets.
5. Economy control switch. When turned to the ON position the economy control unit controls the engine speed according to the connected load. The results are better fuel consumption and less noise.
6. Engine switch. When the engine switch is in the STOP position the engine will not run.
7. If the generator is overloaded (in excess of 1800W), or if there is a short circuit in a connected appliance, the engine overload indicator light (red) will go ON. The engine overload indicator light (red) will stay ON, and after several seconds, current to the connected appliance(s) will shut off, and the indicator light (green) will go OFF.

OPERATING INSTRUCTIONS

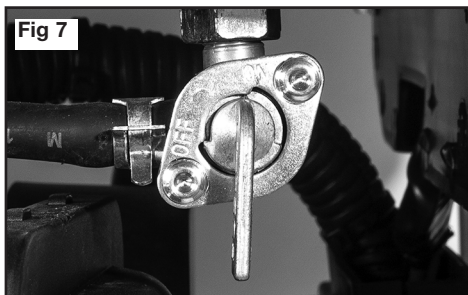
STARTING THE GENERATOR



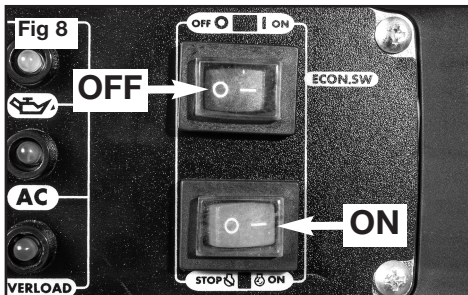
CAUTION. Always check the oil and fuel level before starting the engine, see Page 10 & 11.

Before starting the engine make sure that all the electrical loads are disconnected from the generator AC outlet socket.

1. Turn fuel valve to the ON position (Fig.7)



2. Turn the engine switch to the ON (I) position and the economy switch to the OFF (O) position, (Fig.8).



3. Set the choke lever to the CLOSED position (Fig.9).



4. Hold down the generator firmly with one hand on the frame. With the other hand grip the recoil starter cord handle (Fig.10) and pull and return the rope gently 3-4 times to let the engine breath in the fuel mixture from the carburetor. Pull the cord sharply. Continue this procedure until the engine starts.



CAUTION. Avoid damaging the plastic case of the crankshaft while pulling the rope. Always return the recoil starter cord handle slowly.

5. When the engine has been successfully started and is running smoothly set the choke lever to the RUN position (Fig.11).

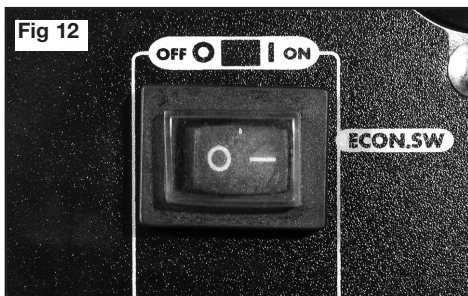


Before connecting any electrical load to the generator ensure that the load does not exceed the maximum load as stated on the rating plate. Ensure that the mains supply lead is long enough to reach the generator without any strain.

When the generator engine has been successfully started and is running smoothly connect the electrical load to the generators AC output socket.

OPERATING INSTRUCTIONS

ECONOMY CONTROL SWITCH (Fig.12)



On: Recommended to minimize fuel consumption and further reduce noise levels when no load is applied to the generator.

Off: The smart throttle system does not operate. Engine speed varies with the load.

With the switch in the On position, the engine speed is controlled automatically. The engine speed is lowered when the load on the generator is reduced, turned off or disconnected. When loads are turned on or re-connected, the engine returns to the correct speed to power the connected load.

In the Off position the system does not operate. The economy system also helps in fuel economy and reduced noise levels when under no load conditions.

When a load is connected to the generator, the generator speed will automatically adjust in order to supply enough power.

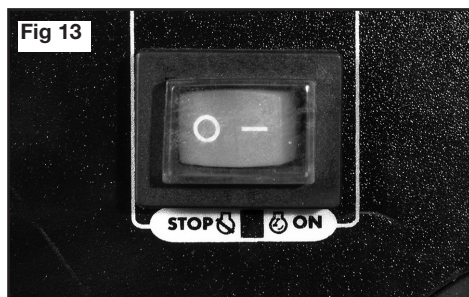
Appliances with large start-up power demands may not allow the engine to reach normal operating speed when they are connected to the generator. Turn the economy switch to the Off position and connect the appliance to the generator. If the engine still will not reach normal operating speed, check that the appliance does not exceed the rated load capacity of the generator.

STOPPING THE GENERATOR

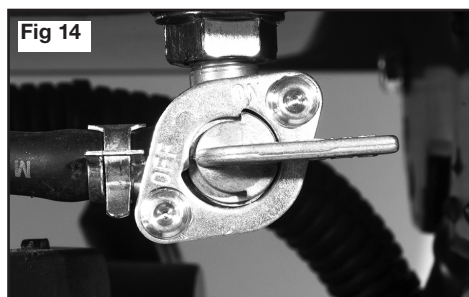


WARNING. In case of emergency, the easiest way to stop the generator is to directly put engine switch to OFF position. Avoid doing so in non-emergency circumstances as it carries the risk of damaging the generator.

1. Before stopping the engine make sure that all the electrical loads are disconnected from the generator AC outlet sockets.
2. Switch off the engine by putting the engine switch in the STOP position (Fig.13).



3. When the generator engine has stopped and before storage, turn fuel valve lever to the OFF position (Fig.14).



NOTE. After disconnecting all loads, leave the generator running for another 1-2 minutes before shutting it down.

Then switch off the engine switch and the fuel valve. Switching off the engine with loads attached may damage the unit and cause difficulty starting the generator next time it is used.

MAINTENANCE

GENERAL MAINTENANCE

Keep the generator in a clean and dry environment where it is not exposed to dust, dirt, moisture, or corrosive vapours.

Do not allow the cooling air slots in the generator to become clogged with foreign material such as leaves, snow, etc.

Do not use a garden hose to clean the generator. Water entering the fuel system or other internal parts of the unit can cause problems that will decrease the life of the generator.

To clean the unit:

1. Use a soft bristle brush and/or vacuum cleaner to loosen and remove dirt and debris.
2. Clean air vents with low pressure air that does not exceed 25 psi.
3. Wipe the exterior surfaces of the generator with a damp cloth.

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.

Initial oil change: After the first 20 hours of operation.

Thereafter: Every 50 hours of operation.

1. Place the generator on a level surface and warm up the engine for several minutes. Stop the engine.
2. Remove the oil filler cap/dipstick.
3. Place a container under the engine. Tilt the generator to drain the oil completely.
4. Refill with oil following the instructions in the Checking/Adding Oil section (Page 10).
5. Wipe the cover clean, and wipe up any spilled oil.
6. Reinstall the oil filler cap/dipstick.

Used oil should be disposed of at an approved disposal site. See your local oil retailer for more information.

CHECKING/CLEANING THE AIR FILTER

For proper performance and long life, keep air filters clean.

1. Unscrew the air filter connection screw located at the bottom of the air filter cover. Remove the cover and set aside (Fig.15).



2. Remove the filter elements (Fig.16).



3. If the filter elements are dirty, clean with warm, soapy water. Rinse and let dry.
4. Apply a light coat of engine oil to the elements, then squeeze it out.
5. Replace the elements in the air filter unit.
6. Replace the air filter cover and tighten the air filter connection screw.

NOTE: Do not run the generator without the air filter. Rapid engine wear will result.

MAINTENANCE

SPARK PLUG MAINTENANCE

The spark plug must be properly gapped and free of deposits in order to ensure proper engine operation. To check:

1. Remove the spark plug cap (Fig.17 & 18).



2. Clean any dirt from around base of spark plug.
3. Remove spark plug using wrench provided.
4. Inspect spark plug for damage, and clean with a wire brush before reinstalling. If insulator is cracked or chipped, spark plug should be replaced. Make sure electrode gap is 0.60mm-0.80mm.

NOTE: If replacing, use the following recommended spark plug: E7RTC.

5. Screw spark plug back by hand, avoid damaging threads of the cylinder.
6. Put the spark plug back in position and use the spark plug wrench to tighten it. If spark plug is new, use 1/2 turn to compress washer appropriate amount. If reusing old spark plug, use 1/8 to 1/4 turn for proper washer compression.

7. Replace spark plug cap.



WARNING! Spark plug must be assembled firmly, or it will become hot and may damage generator.

A loose spark plug can overheat and damage the engine.

CLEANING THE EXHAUST PORT & MUFFLER

Depending on the type of fuel used, the type and amount of oil used, and/or your operating conditions, the exhaust port and muffler may become blocked with carbon deposits. If you notice a power loss with your petrol-powered tool, you may need to remove these deposits to restore performance. We highly recommend that only qualified service technicians perform this service.

CLEANING THE FUEL TANK FILTER

After every 100 hours of running or every 6 months the fuel tank filter should be removed and cleaned.

1. Remove fuel cap and filter (Fig.19).



2. Clean the filter, replace if broken.
3. Dry the filter and install back on the generator.

MAINTENANCE

DRAINING THE FUEL TANK

1. Turn the engine switch to STOP (O).
2. Turn the fuel valve lever to the OFF position.
3. Remove the fuel line from the barb by using pliers to loosen the tubing clamp and sliding the fuel line off, Fig.20.



4. Install one end of a drain line over the barb, and place the other end in a fuel container large enough to catch the fuel being drained from the tank.
5. Open fuel valve.
6. When the fuel has drained from the tank, close the fuel valve and reinstall fuel line on barb.

If the generator is not to be used or is to be stored for more than one month the following storage procedure should be carried out. Drain all the fuel from the fuel tank and the carburettor, ensure that all the fuel has been removed. Remove the spark plug and pour approximately one tablespoon full of clean engine oil into the spark plug hole. With the ignition turned OFF gently pull on the recoil starter cord several times. Re-fit the spark plug and continue to pull the recoil starter cord until the piston is on the compression stroke (when resistance is felt) then stop pulling.

Store the generator in a dry well ventilated place under a cover to prevent any dust or debris from accumulating on the generator.

DRAINING THE CARBURETOR

1. Turn off fuel valve, make sure fuel is drained and the tank is empty. Residual gasoline left over a long time will cause difficulty when next starting the engine.

2. Position an approved fuel container under the carburetor drain screw to catch fuel; Turn the engine switch ON, and loosen the carburetor drain screw (Fig.21). Allow fuel to drain completely into container.



3. With the drain screw loosened remove the spark plug cap, and pull the starter grip 3 to 4 times to drain the gasoline from the fuel pump.
4. Turn the engine switch to the STOP position, and tighten the drain screw securely.
5. Reinstall the spark plug cap on the spark plug securely.

NOTE: Immediately wipe off spilled fuel with a clean, dry, soft cloth, since fuel may deteriorate painted surfaces or plastic parts.

6. Start the engine (See Page 13) and leave it to run until it stops. Duration of the running engine depends on the amount of the fuel left in the tank.

Consult hazardous waste management guidelines in your area for the proper way to dispose of fuel.

When preparing the generator for storage, follow the guidelines on page 18.

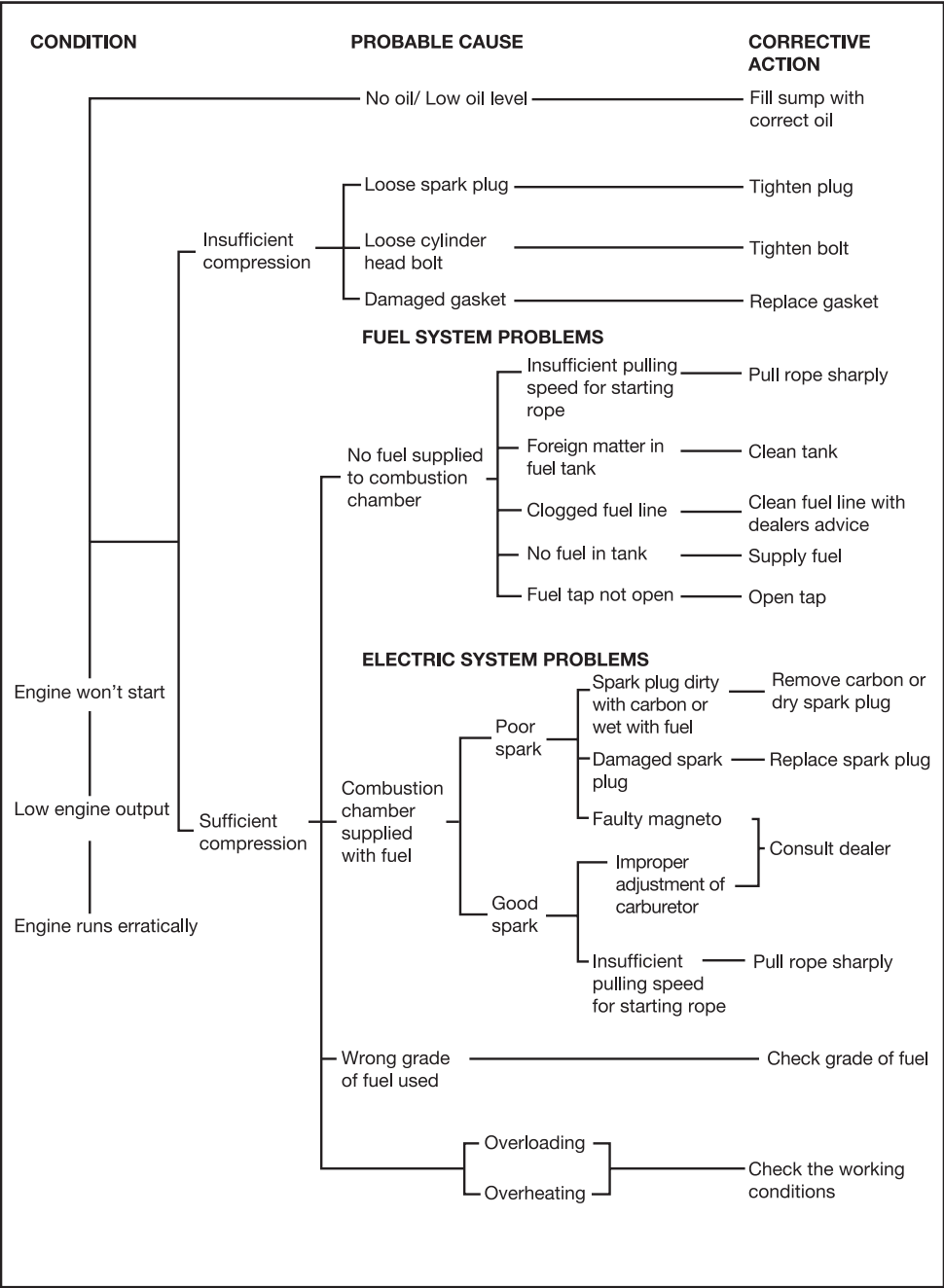
MAINTENANCE CHART

Item	Remark	Pre-operation check (daily)	Initial 1 month or 20hours	Every 3 month or 50 hours	Every 6 month or 100 hours	Every 12 month or 300 hours
Spark plug	Check condition Adjust gap and clean Replace if required			●		
Engine oil	Check oil level	●				
	Replace		●	●		
Air filter	Clean. replace if required			●		
Fuel Filter	Clean fuel cock filter Replace if required				●	
Valve clearance	Check and adjust when engine is cold					●
Fuel line	Check fuel hose for cracks or damage. Replace if required	●				
Exhaust system	Check for leakage. Tighten or replace gasket if required.	●				
	Check exhaust screen. Clean and replace if required.				●	
Carburetor	Check choke operation	●				
Cooling system	Check fan damage					●
Starting system	Check recoil starter operation	●				
Decarbon- isation	More frequently if necessary					●
Fittings/ Fastenings	Check all fittings and fixtures and tighten if required				●	

STORAGE

STORAGE TIME	PRIOR TO STORING
Less than 1 month	<ul style="list-style-type: none"> ■ No special preparation is required.
1 to 2 months	<ul style="list-style-type: none"> ■ Empty fuel from fuel tank.
2 months to 1 year	<ul style="list-style-type: none"> ■ Empty fuel from fuel tank. ■ Drain fuel from carburetor. ■ Clean fuel sediment cup.
1 year or more	<ul style="list-style-type: none"> ■ Empty fuel from fuel tank. ■ Drain fuel from the carburetor. ■ Clean fuel sediment cup. ■ Remove spark plug. ■ Put a tablespoon of engine oil into the cylinder through the spark plug hole. Turn the engine slowly with the pull rope to distribute the oil. ■ Reinstall spark plug. ■ Change engine oil.
*Use unleaded fuel stabilisers formulated to extend storage life. For recommendations, contact your nearest authorised service center.	

TROUBLESHOOTING



TROUBLESHOOTING

CONDITION	PROBABLE CAUSE	CORRECTIVE ACTION
Indicator light ON. No AC output	Tripped circuit breaker	Reset
	Poor connection or faulty lead	Check and repair
	Broken recepticle	Check and repair
	Faulty circuit breaker	
Indicator light OFF. No AC output	Generator problem	
Output power too high or low	Engine RPM set too high or low	No load speed set to 3000rpm
	Loose component	Locate and tighten
	Internal generator problem	Consult dealer

ENVIRONMENTAL PROTECTION

Information for (private householders) for the environmentally responsible disposal of Waste Electrical and Electronic Equipment (WEEE)



This symbol on products and or accompanying documents indicates that used and end of life electrical and electronic equipment should not be disposed of in household waste. For the proper disposal, treatment, recovery and recycling, please take these products to designated collection points, where they will be accepted on a free of charge basis. Alternatively, in some countries you may be able to return your products to your retailer upon the purchase of an equivalent new product. Disposing of this product correctly will help to save valuable resources and prevent any potential adverse effects on human health and the environment which could otherwise arise from inappropriate waste disposal and handling. Please contact your local authority for further details of your nearest designated collection point. Penalties may be applicable for incorrect disposal of this waste in accordance with national legislation.

FOR BUSINESS USERS IN THE EUROPEAN UNION.


















If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

Information on Disposal in other Countries outside the European Union.

This Symbol is only valid in the European Union.
If you wish to dispose of this product, please contact your local authorities or dealer and ask for the correct method of disposal.

SYMBOLS

Some of the following symbols may be used on this tool. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the tool better and safer.

SYMBOLS	DESIGNATION/EXPLANATION
	Do not expose to rain or use in damp locations.
	To reduce the risk of injury, the user must read and understand the operator's manual before using this product.
	Always wear safety goggles or safety glasses with side shields and, as necessary, a full face shield when operating this product.
	Precautions that involve your safety.
	Failure to use in dry conditions and to observe safe practices can result in electric shock.
	Running the generator gives off carbon monoxide, an odourless, colourless, poison gas. Breathing carbon monoxide can cause nausea, fainting, or death.
	Fuel and its vapours are extremely flammable and explosive. Fire or explosion can cause severe burns or death.
	To reduce the risk of injury or damage, avoid contact with any hot surface.
	To reduce the risk of serious injury, avoid attempting to lift the generator alone.
	Consult with local electrician to determine grounding requirements before operation.
	Add oil.
	Guaranteed sound power level.
	Beware of electric shock level.
	Fuel and its vapors are explosive and can cause severe burns or death.
	Oil level should fall within the level indicator area on the dipstick.
	Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.
	Conforms to relevant safety standards.

NOTES

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NOTES

EC DECLARATION OF CONFORMITY

1. **Product model:** IM1800IFG

2. **Name and address of the manufacturer or his authorised representative:**



NAP BRANDS LTD. Office 20, Fleming Court Business Centre,
Leigh Road, Eastleigh, Hampshire SO50 9YN
Tel: +44(0)1926 482880. Email: sales@napbrands.co.uk

3. **This declaration of conformity is issued under the sole responsibility of the manufacturer.**

4. **Object of the declaration:**

Equipment: 1800W Inverter Generator
Brand name: IMPAX
Model/type: IM1800IFG

5. **The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:**

2006/42/EC The Machinery Directive.
2014/35/EU. Low Voltage Equipment Directive.
2014/30/EU. Electromagnetic Compatibility Directive,
2012/19/EU. The Waste Electrical and Electronic Equipment (WEEE) Directive.
2016/1628/EU. The Emission of Gaseous and Particulate Pollutants from Internal Combustion Engines to be Installed in Non-Road Mobile Machinery Directive
2011/65/EU. Restriction of the use of Certain Hazardous Substances in Electrical and Electronics Equipment (ROHS) Directive
2000/14/EC, Annex VI, and the Directive 2005/88/EC The Noise Emissions in the Environment by Equipment for use Outdoors Regulations 2001 (SI 2001/1701 as amended)
Measured Sound Power Level: 93dB(A), Declared Guaranteed Sound Power Level: 95dB(A)
The notified body involved:
Name: TUV SUD Industrie Service GmbH (Notified body 0036)
Address: Westendstrasse 199. 80686. Munchen. Deutschland.

6. **References to the relevant harmonised standards used or references to the other technical specifications in relation to which conformity is declared:**

EN 8528-13
EN 55012
EN 61000-6-1
EN ISO 3744

7. **The person authorized to compile the technical file:**

Name: Robert Redfern

Address: Nap Brands Ltd. Office 20, Fleming Court Business Centre, Leigh Road, Eastleigh, Hampshire SO50 9YN

Signed for and on behalf of:

Authorised Representative

Robert Redfern, Technical Manager
04/03/2021

A handwritten signature in black ink, appearing to read 'Robert Redfern', is written over a light blue circular background.

The CE21 mark, consisting of the letters 'CE' in a bold, sans-serif font followed by the number '21' in a similar font.

After sales support: Tel: 0344 264 2485 Website: www.impaxpowertools.com



WARNING!
DO NOT OVERFILL
THIS UNIT WITH OIL

**FILL WITH 350-400ML
OF SAE 10W-30 or
10W-40 4-STROKE
ENGINE OIL ONLY.**

The oil level should fall within the level
indicator area on the dipstick.
Overfilling this generator with oil will cause
serious damage and will invalidate your warranty.



**DO NOT RETURN THIS
ITEM TO THE SHOP**

IMPAX GENERATOR TECHNICAL HELPLINE

Technical and Spares Support

IMPAX Petrol Generator Product Helpline

If you experience any problems with your IMPAX generator please contact the helpline who can offer fault-finding, technical support and general guidance.

Technical Helpline Number

0344 2642 485

Opening Hours: 9am-5pm, Monday-Friday