USER MANUAL

SIP MEDUSA® ISG8800 8.8kW DIGITAL INVERTER PETROL GENERATOR

ITEM NO: 25405



PLEASE READ AND FULLY UNDERSTAND THE INSTRUCTIONS IN THIS MANUAL BEFORE OPERATION.
KEEP THIS MANUAL SAFE FOR FUTURE REFERENCE.

Contents

1 Introduction **4**
1.1 Manual Version History 4

2 Warranty **5**

3 Safety Instructions **6**
3.1 Safety Symbols Used Throughout This Manual 6
3.2 Safety Instructions 6

4 Electrical Connections **14**
4.1 Grounding the Generator 14
4.2 Generator Capacity 15

5 Technical Specifications **17**

6 Getting to know your SIP MEDUSA® ISG8800 8.8kW Dual Voltage Digital Inverter Generator **18**
6.1 Accessories 20
6.2 Safety Features 20

7 Operating Instructions **21**
7.1 Preparing the Generator for Use 21
7.2 Checking Oil Level and Adding Oil 21
7.3 Checking Fuel Level 23
7.4 Adding Fuel 23
7.5 Connecting the Battery 24
7.6 Grounding the Generator 25
7.7 Starting the Generator 26
7.8 Low Idle 27
7.9 Connecting Electrical Devices 27
7.10 Shutting off the Generator 28

8 Maintenance **29**
8.1 Draining / Changing Oil 30
8.2 Air Filter Maintenance 31
8.3 Spark Plug Maintenance 32
8.4 Draning the Fuel Tank / Carburettor 33
8.5 Battery Replacement 36
8.6 Spark Arrestor Maintenance 37
8.7 Cleaning the Generator 38
8.8 Transporting the Generator 38
8.9 Storage 39

9 Troubleshooting **41**
9.1 Exploded Drawing and Parts List 44

CONTENTS

10 UK - Declaration of Conformity **57**

11 EU - Declaration of Conformity **58**

12 Notes **59**

1 Introduction

Thank You for Choosing SIP

SIP Industrial Products Ltd is a flagship supplier of high-quality machinery and equipment to the ever-growing engineering, construction, automotive and agricultural marketplaces.

As an ISO9001 approved machinery specialist, we are passionate about innovation and offering quality, value and choice, making sure that our users have the most appropriate and reliable product for the task at hand.

Welcome to Your User Manual

This manual is designed to introduce the support in place for you as an SIP customer as well as guide you through the product that you have purchased and how to use and maintain it safely and effectively.

Technical and Aftersales Support

With a dedicated service centre at head office and service engineers across the UK and Ireland, SIP are committed to providing you with the optimum support to minimise any working downtime.

Our extensive Technical, Service Engineer and Customer Service teams are on hand to support with:

- Product selection
- Servicing and maintenance advice
- Troubleshooting

Feel free to contact us for more information.
Tel: 01509 500 400
Email: customerservice@sip-group.com

1.1 Manual Version History

Manual Version Number	Date Published
V1.2	23/12/2025

2 Warranty

Warranty Registration

SIP proudly offer a 2 year warranty across all SIP branded machines.*

To benefit from the second warranty year, you must register within 30 days of purchase via the link or QR code below.

www.sip-group.com/warranty/register-warranty



***Excludes accessories and consumables**

3 Safety Instructions

3.1 Safety Symbols Used Throughout This Manual



Important: Please read the following instructions carefully, failure to do so could lead to serious injury, damage to the product or an invalidated warranty.



Danger/Caution: Indicates risk of personal injury or death, and/or the possibility of damage.



Warning: Indicates risk of fire.



Note: Supplementary Information.

3.2 Safety Instructions

When using this inverter generator, basic safety precautions should always be followed to reduce the risk of fire, electric shock, personal injury (or to others) and/or damage to the product. Read all these instructions before operating the item and save this user manual for future reference. SIP recommends that this product should not be modified or used for any application other than that for which it was designed; it was designed for the supply of electrical power in a portable format powered by only E5 or E10 petrol. It is not suitable to use other fuel types with this generator. It was not designed to power a residental dwelling or commercial property in the event of an electrical grid failure. If you are unsure of its relative applications do not hesitate to contact us and we will be more than happy to advise you.

3.2.1 General Safety Principles

Prior to first use read and understand this owner's manual and the labels affixed to the generator. Learn its applications and limitations, as well as the potential hazards specific to it. Only trained and competent individuals may operate this generator, and must follow the instructions provided in this manual. **Never** operate the generator under the influence of alcohol, drugs, or medication. Children under the age of 16 years or people unfamiliar with the generator **must not** be allowed to use it.

Keep all safety guards and covers in place and functional, and **do not** bypass, disable, or modify any safety guards, safety devices or warning system. **Do not** use this generator in damp or wet locations, or expose it to rain/water. **Do not** start the generator indoors

or in other poorly ventilated areas. **Always** check for damage before each use. Always store the generator upright to prevent the escape of fuel, oil and battery acid.

THIS GENERATOR MUST NEVER BE USED INDOORS OR A CONFINED SPACE. EXHAUST GASES CONTAIN CARBON MONOXIDE WHICH IS ODORLESS AND CAN KILL.

3.2.2 Personal Protective Equipment

When draining or filling the generator with either petrol or oil it is recommended to wear sutiable eye protection, gloves and long sleeves to prevent contact with the eyes or skin.

When handling the lead acid battery it is recommended to wear sutiable eye protection, gloves and long sleeves to prevent contact of the acid with the eyes or skin.

3.2.3 Hazards During Use

Fire and Explosion Hazards: Petrol is highly flammable both as a liquid or a vapour and may ignite when exposed to heat, an open flame or a spark.

Only refuel outdoors in a well ventilated location with the engine off and when it is cool. **Do not** refuel immediately after having stopped the engine. When refuelling take care not to spill petrol onto the generator, work area or clothing. Clean any spills immediately with appropriate spill kits, and/or change any clothing. Ensure the fuel cap is correctly seated and the fuel tank is sealed after refuelling operations to prevent the escape of fuel vapour. **Do not** attempt to restart the generator engine if there has been a fuel spillage, as this may ignite. Ensure that the cap of the fuel coFmntainer used to refuel the generator has also been sealed correctly.

Petrol **must** be stored in suitable containers in an appropriate location away from children, and **never** near the generator - especially when it is hot, and in accordance with local safety laws. If petrol is not stored correctly, radiant heat from the generator can produce petrol vapours. There should always been at least 1 metre of clearence on all sides of the generator.

If fuel is not drained before transport and the generator is transported inside an enclosed vehicle, fuel vapours may be produced (especially in warmer temperatures) that may ignite unexpectedly. **Always** drain fuel from the generator before transporting in a vehicle.

The generator contains a lead-acid battery to power the starter motor for electric starting. This battery will discharge a small amount of hydrogen gas over its lifespan, or if it is overcharged. Hydrogen gas is odorless and highly exposive, **always** keep the battery away from sparks and sources of ignition.

Do not smoke near, or expose fuel to open flames or sparks.

Burn Hazards: All engine surfaces and the exhaust become hot during use, **do not** touch these surfaces or perform maintenance until they have been allowed to cool. Ensure that a space of at least 1 metre around the generator is kept clear whilst it is in use.

Electrical Hazards: **Do not** connect this generator to a domestic or commerical electrical grid as it was not designed for this purpose and may cause severe injury or death to persons working on electrical systems believed to not be live. **Never** start or stop the generator when electrical devices are plugged into its outlet sockets, this may cause significant damage to both the generator and / or electrical devices. **Always** allow the generator to run for a few minutes to get to the correct operating temperature and for the output to stabilise before connecting electrical devices.

Do not use long extension leads from the generator to the electrical device, and if they are used ensure that they are not coiled or rolled up as they may overheat and cause a fire. **Do not** use sockets on the generator that have been damaged and **do not** use the generator until they have been replaced with the exact SIP genuine parts. **Do not** connect electrical devices that are known to demand a load greater than the generators rated supply, this will damage the generator, the device, and void the warranty.

Do not touch the generator with damp or wet hands as this many cause electrocution. Do not position the generator on metaliic or other conductive surfaces as these may become live in the event of a fault with the generator or electrical device connected to it, always position the generator at least 2 metres away from any conductive surface.

The generator contains a lead-acid battery to power the starter motor for electric starting. **Do not** disconnect the battery whilst the generator is in operation.

THIS GENERATOR MUST BE APPROPRIATELY GROUNDED BEFORE AND DURING USE.

Chemical Hazards: The generator contains a lead-acid battery to power the starter motor for electric starting. The battery contains lead which is poisonous and sulphuric acid which is posionous and highly acidic. Tilting the battery or generator may cause the acid to leak from the battery housing. **Always** wear wear sutiable eye protection and gloves when handling the battery. If acid comes into contact with skin or eyes, wash with water and seek medical advice immedaitely.

If you suspect any damage to the battery, take out of service immedaitely, place into a container and dispose of safely. Contact local authorities for approved disposal or recycling services.

3.2.4 Residual Risks

The generator must be used outdoors on a dry, level surface and must not be used in the rain or damp environments. There should always been at least 1 metre of clearence on all sides of the generator. Ensure that there is adequate ventilation to remove the exhaust fumes from the generator and that the exhaust fumes will not disperse into confined spaces or crowds of people. The generator should not be used in a location

close to ventilation inlets, or near open windows, as the exhaust fumes may enter the building and present the same hazard as running the generator indoors, allow a greater distance than 1 metre if any ventilation services or windows are nearby.

Do not tamper with the govenor as this is preset at the factory, attempting to change this setting may cause damage to the generator and will void the warranty.

3.2.5 Warning signs and symbols

This section details the warning labels that are affixed to the 25405 SIP MEDUSA® ISG8800 8.8kW Dual Voltage Digital Inverter Generator. These labels contain important information for the user to reduce the risk of severe injury and/or death. If these labels become difficult to read or are removed from the product, please refer to this manual for their information and contact SIP customer service for a replacement.



Figure 1: The main warning label that is located on the front panel as you look at the generator, where the handle folds away.

The warning label in Figure 1 is located on the front panel as you look at the generator, where the handle folds away. The warning label instructs the user of the dangers of carbon monoxide and that the generator must be used outdoors. This generator must never be used indoors and only in well ventilated spaces. Information about the spark plug is also given.



Figure 2: Information regarding oil servicing is attached to the side panel near the manual pull-start. There is also additional safety labelling warning users of the risks associated with the operation of this generator.

The label in Figure 2 provides information regarding oil servicing is attached to the side panel near the manual pull-start. There is also additional safety labelling warning users of the risks associated with the operation of this generator.



Figure 3: The label warning users of a hot surface is mounted on the rear panel as you look at the generator sockets.

The generator exhaust becomes hot during use and this warning is shown in Figure 3.



Figure 4: Pictoral operating instructions are affixed to the fuel tank of the generator.

The label in Figure 4 informs users of the correct start and stop procedure in a pictoral form and further details are covered in the manual.

The generator start up procedure:

1. Check the oil level.

2. Check fuel level.
3. Ensure that the battery is connected.
4. The generator must always be grounded.
5. Switch the POWER SWITCH to ON.
6. Move the FUEL SWITCH to ON.
7. To start the generator a) Electric start - press the ENGINE START STOP button. b) Manual start - pull the pull-start.
8. Once the generator has run for a few minutes and stabilised, begin to connect electrical devices.

The generator shut down procedure:

1. Switch off and unplug all electrical devices connected to the generator.
2. Press the ENGINE START STOP button to stop the generator.
3. Move the FUEL SWITCH to OFF.
4. Switch the POWER SWITCH to OFF.



Figure 5: Recommended fuel types for the generator.

The label in Figure 5 provides information regarding fuel types suitable for use in the generator.



Figure 6: This label warns users not to trap body parts in the fold away handle.

The label in Figure 6 warns users not to trap body parts in the fold away handle.



Figure 7: The generator is shipped without oil and will need filling before first use.

The warning label in Figure 7 is a tag that may be removed from the generator. It is to remind users that the generator has been shipped without oil and must be filled prior to first use to avoid catastrophic damage to the generator.

3.2.6 Safety Devices

Circuit Breakers - The circuit breakers protect the individual AC circuits. The AC circuit breaker will activate when the AC outlets exceed their maximum rating. If the circuit breaker activates, turn off and disconnect the device from its respective outlet, and press the circuit breaker to reset.

Low Oil Level - The DATA CENTRE panel will display a low oil level warning if there is insufficient oil in the generator engine and prevent restarting of the generator until the level is topped up.

3.2.7 Maintenance and Servicing Safety

Turn off the engine and disconnect the spark plug before carrying out any servicing or maintenance operation, failure to do this may result in serious injury and/or death.

Never pull the start cord when the HT lead is disconnected from the spark plug, or when the spark plug has been removed from the engine and the HT lead is connected. Doing so will produce a visible spark and may ignite any spilt petrol or petrol vapours, and/or lead to an electrical shock.

Allow the engine to cool before servicing, touching or cleaning the generator.

3.2.8 Disposal Safety

Dispose of engine oil, fuel and air filters in accordance with local environmental regulations. Never pour fuel or oil down the drain or into soil. At the end of the product's life, recycle components where facilities exist. Contact local authorities for approved disposal or recycling services.

3.2.9 Storage

Never store the generator with petrol in the fuel tank inside a building where the fumes could come within range of an open fire, sparks or sources of high temperature/ignition. Before storing in any enclosed area, allow the engine to cool down and **do not** store in a confined area, only in a clean, dry, and ventilated area, and out of reach of children and unauthorized persons.

Always turn off the fuel valve and drain the tank before long-term storage and store drained fuel in an appropriate container in a suitable location. Drain the fuel in a well ventilated area and only when the engine has cooled down. To preserve the lifespan of the product follow the storage instructions given in the maintenance section of this manual.

4 Electrical Connections

WARNING! It is the responsibility of the owner and the operator to read, understand and comply with the following:

You must check all electrical products, before use, to ensure that they are safe.

You must inspect power cables, plugs, sockets and any other connectors for wear or damage.

Never carry any product by its mains lead or pull it to remove the plug from the mains socket. Keep the mains lead away from heat, oil and sharp edges. If the mains lead is damaged, it must be replaced by the manufacturer, its service agent or a similarly qualified person in order to avoid unwanted hazards. **Always** disconnect electrical devices from the generator when not in use.

Do not connect this generator to a domestic or commerical electrical grid as it was not designed for this purpose and may cause severe injury or death to persons working on electrical systems believed to not be live.

Do not exceed the wattage capacity of the generator by plugging in more electrical devices than the unit can handle. This could damage the generator and/or connected electrical devices. Check the operating voltage and frequency requirements of all electrical devices prior to plugging them into the generator.

Generators vibrate in normal use. During and after the use of the generator, **always** inspect both the generator as well as extension and power supply cords for damage resulting from vibration.

4.1 Grounding the Generator

THIS GENERATOR MUST BE APPROPRIATELY GROUNDED BEFORE AND DURING USE.

Ground the generator by connecting a stranded copper wire with a cross sectional area of at least 4mm^2 to the grounding nut and tighten.

This grounding wire should be connected at the other end to a copper grounding rod that is driven into the earth at least 1.2 metres, that conforms to BS EN 13601. Wire and grounding rods are not included with the generator.

If the generator is not correctly grounded then Class 1 appliances are not able to provide a safe continuity to ground, increasing risk of electrocution.



Warning: Never connect this generator as a backup building supply.

Note: If an extension lead is required in order to reach the generatoy supply; ensure that this is rated for the correct voltage and fuse rating.

Note: The cross section of the extension lead should be checked so that it is of sufficient size to reduce the chances of voltage drops.

4.2 Generator Capacity

Make sure the generator can supply enough running (rated) and starting (max.) power in Watts for the electrical device(s) you wish to power. The rated power is typically found on the rating label of the electrical device and in its user manual. For certain electrical devices there may be an additional starting power that is several times greater than the rated power, this is known as an inrush current and is typical of electric motors and/or inductive loads.

If the starting current of a connected electrical device exceeds the generator peak current it may not start/function correctly and damage the generator and/or electrical device. When selecting the generator to power a device consider the starting current of the device(s) in addition to their running power consumption.

Electrical Device	Running Power (Watts)	Starting Power (Watts)
Refridgerator	700	1350
Portable Fan	40	120
Laptop	250	0
46” Flat Panel TV	190	0
Light	75	0

Please note that these are estimated power consumption and starting power figures and only serve to explain the concept of startup currents.

- Select the items you will power at the same time.
- Total the running (rated) watts of these items. This is the amount of power the generator must produce to keep the items running.
- Estimate how many starting (max.) watts you will need. Sarting wattage is the short burst of power needed to start electric motor-driven tools or appliances such

as a circular saw or refrigerator. Because not all motors start at the same time, total starting (max.) watts can be estimated by adding only the item(s) with the highest additional starting (max.) to the total rated watts.

5 Technical Specifications

Parameter	Value
Engine Type	Petrol 4-stroke
Starting System	12 V DC Electrical Start and Start/Stop Button
	Auxillary Recoil Start
Rated Voltage	115 / 230 V
Rated Current	38 A 230 V Peak
	35 A 230 V Running
Rated Power	8.8 kW Peak (Time Limited)
	8.2 kW Running
Engine Displacement	459 cc
Fuel Tank Capacity	27 L
Engine Speed	3400 rpm
Oil Capacity	1.2 L
Noise Level (LWA)	97 dB(A)
Run Time (50% - 100%)	18.0 h 25% Load in ECO Mode
	7.5 h 75 % Load in ECO Mode
Electrical Socket Connections	1 x 230 V 16 A
	1 x 230 V 32 A
	1 x 115 V 32 A
Net Weight	96.0 kg
Gross Weight	108.2 kg

6 Getting to know your SIP MEDUSA® ISG8800 8.8kW Dual Voltage Digital Inverter Generator

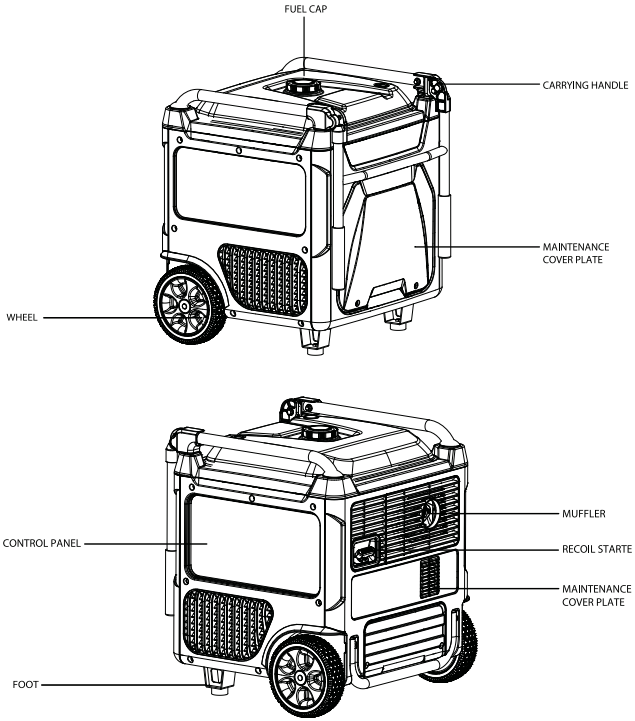


Figure 8: Points of interest on the 25405 SIP MEDUSA® ISG8800 8.8kW Dual Voltage Digital Inverter Generator.

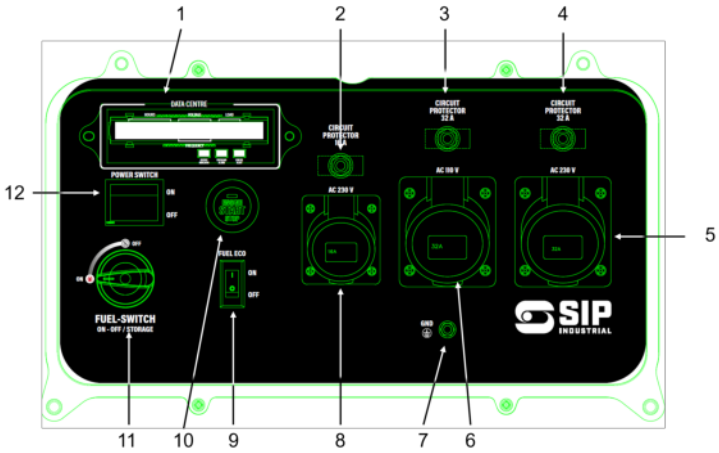


Figure 9: The front panel of the 25405 SIP MEDUSA® ISG8800 8.8kW Dual Voltage Digital Inverter Generator.

Item	Description
1	Data Centre Control Panel
2	Electrical Overload Button (16 A)
3	Electrical Overload Button (32 A)
4	Electrical Overload Button (32 A)
5	Electrical Outlet (230 V 32 A)
6	Electrical Outlet (115 V 32 A)
7	Electrical Grounding Nut (For Grounding Wire / Stake)
8	Electrical Outlet (230 V 16 A)
9	Engine Eco Mode Switch
10	Engine Electric Start / Stop Switch
11	Fuel Switch
12	Main Electrical Power Switch

6.1 Accessories

Quantity	Description
1	Small tool bag
1	Screwdriver
1	2-piece spanner tool
1	Fuel funnel

6.2 Safety Features

Circuit Breakers - The circuit breakers protect the individual AC circuits. The AC circuit breaker will activate when the AC outlets exceed their maximum rating. If the circuit breaker activates, turn off and disconnect the device from its respective outlet, and press the circuit breaker to reset.

Low Oil Level - The DATA CENTRE panel will display a low oil level warning if there is insufficient oil in the generator engine and prevent restarting of the generator until the level is topped up.

7 Operating Instructions

7.1 Preparing the Generator for Use

The generator must be used outdoors on a dry, level surface and must not be used in the rain or damp environments. There should always been at least 1 metre of clearence on all sides of the generator. Ensure that there is adequate ventilation to remove the exhaust fumes from the generator and that the exhaust fumes will not disperse into confined spaces or crowds of people.

THIS GENERATOR MUST NEVER BE USED INDOORS OR IN A CONFINED SPACE. EXHAUST GASES CONTAIN CARBON MONOXIDE WHICH IS ODORLESS AND CAN KILL.

This geneator is not designed for powering the home in the event of a power failure.

Follow the below steps each time the generator is used.



Warning: This generator has the potential to cause severe injury or death if not used correctly. Ensure that the manual is read before use.

7.2 Checking Oil Level and Adding Oil

The generator is shipped without oil and must be filled with the correct amount of oil before operating the generator for the first time. The oil capacity of the engine crankcase is 1.2 L. The engine should use 10W30 oil.

For each subsequent operation after the first, the oil level should be checked before use, or after every 8 hours of operation. The generator is equipped with a low-oil sensor and will not start without a sufficient amount of oil, however this is a failsafe device and should not be relied upon to check the oil level.



Warning: This generator is shipped without oil. Failure to add oil before using the generator will result in irreparable damage to the engine and will void the warranty.

To check the oil level and fill / top up (if required) please follow the below steps:

1. Place the generator on a level surface. Make sure the engine is OFF before adding or checking oil.

2. Open the oil access cover as shown in Figure 10. Remove and wipe the dipstick with a clean rag.

3. Reinsert the dipstick without screwing it in, then remove the dipstick to check the oil mark, the Upper and Lower Limits may be seen in Figure 10 .

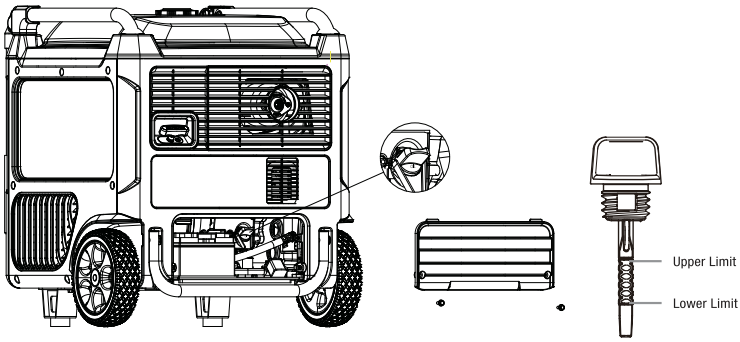


Figure 10: Removing the oil access cover to reveal the dipstck, and the upper and Lower Limits on the dipstck.

4. Using an oil funnel slowly add oil into the oil fill port, being careful not to overfill the unit or spill oil, as shown in Figure 11. Fill the crankcase to the upper fill line so you can visually see the oil coming halfway up the oil fill threads as shown in Figure 11.

5. Reinstall the oil dipstick and firmly tighten it. Wipe clean any spilled oil with a clean rag.

6. Reinstall the oil access cover. Turn the oil access cover knob to the locked position to secure the cover in place.

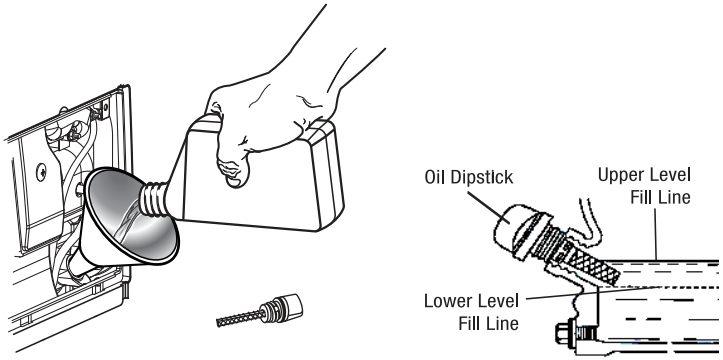


Figure 11: Filling the generator with oil and the correct oil fill level and its indication against the dipstick.

Caution: Keep the generator level during filling, tilting the generator to assist in filling will cause oil to flow into the wrong areas of the engine and cause damage.

7.3 Checking Fuel Level

During operation, the fuel level will be displayed on generator data center panel.

7.4 Adding Fuel

This is a four-stroke engine and premixed (two-stroke) fuel should never be used.

Only use fresh (within 30 days from purchase), forecourt E5 or E10 unleaded petrol. The capacity of the fuel tank is no more than 27 L.

To add petrol, follow these steps:

1. Make sure the generator is OFF and on a level surface. Unscrew the fuel cap and set it aside on a clean surface. The fuel cap may be tight and hard to unscrew.
2. Slowly add unleaded petrol to the fuel tank. Be careful not to overfill and do not fill to the top.
3. Reinstall fuel cap and wipe clean any spilled petrol with a dry cloth.



Warning: In the event that you spill any oil or fuel on the generator when refilling, wipe it away immediately. Do not store, add fuel, or handle it in the vicinity of an open flame.



Caution: Non-forecourt E5/10 petrol (e.g. Fuels mixed with alcohol or fuels with ethanol or methane additives) may permanently damage the generatror and must not be used.



Caution: Take care not to contaminate the fuel tank with particulates or dirt, especially from the fuel cap being set down on dirty surfaces. These particulates and dirt may block fuel lines or the fuel filter.



Note: When the generator will not be used for longer than 30 days, the fuel tank should be drained to prevent damage.



Note: Do not fill the fuel tank to the very top. If you do, petrol will expand and spill during use, even with the fuel cap in place.

7.5 Connecting the Battery

It is recommended to disconect the battery if the generator will be in storage for more than 30 days to prevent discharge. The generators are supplied with the battery fitted, but disconnected from the circuit. They use in-line connectors with a protective cap that prevents accidental discharge. The battery will need to be connected when first started.

To connect the battery:

1. Turn the battery cover knob to the unlocked position, and remove the access cover from the back panel as shown in Figure 12.
2. Remove the protective cover from the battery cable and connect it to the receiving cable in the generator. The connection has a male/female connector to prevent incorrect connection of the battery polarity as shown in Figure 12.
3. Reinstall and secure the battery access cover.

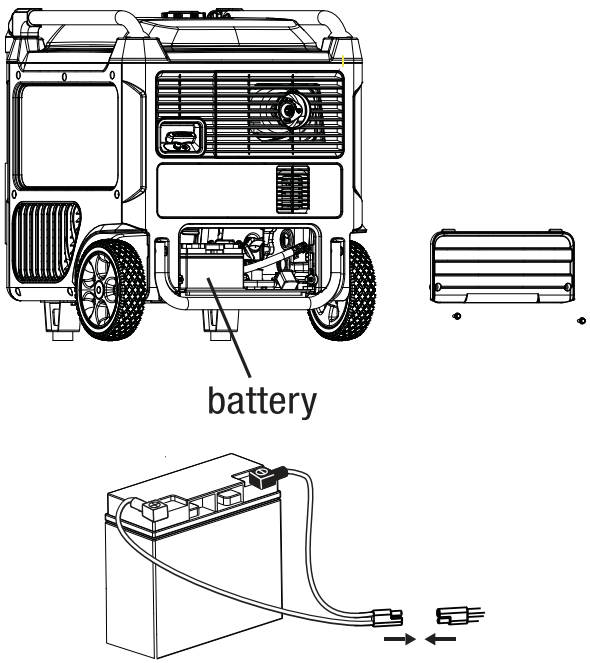


Figure 12: Accessing the battery and how to connect the battery connector leads to the generator.

7.6 Grounding the Generator

To reduce the risk of electric shock and to maximize safety, the generator must be properly grounded.

Ground the generator by connecting a stranded copper wire with a cross sectional area of at least 4mm^2 to the grounding nut and tighten.

This grounding wire should be connected at the other end to a copper grounding rod that is driven at least 1.2 metres into the earth, that conforms to BS EN 13601. Wire and grounding rods are not included with the generator.

If the generator is not correctly grounded then Class 1 appliances are not able to provide a safe continuity to ground, increasing risk of electrocution.



Warning: Failure to properly ground the generator increases your risk of electric shock.

7.7 Starting the Generator

The generator must be adequately grounded prior to use, failure to do so may result in electric shock if a fault occurs with either the generator or applicance being run from the generator. Please read Section 7.6 on page 25 before attempting to start the generator.

There are two ways to start the generator, an electric start powered from the internal battery or a manual pull-start for when the battery cannot supply sufficient power to start the generator. It is recommended the pull-start is used periodically to prevent components from seizing.



Caution: Disconnect all electrical loads from the generator before attempting to start.

Before starting the generator:

1. Ensure that the generator is outside on a dry, level surface. Allow at least 1 metre of clearance on all sides of the generator (or 2 metres if positioned near conductive surfaces).
2. To maximize safety, check that the generator is properly grounded (see Section 7.6).
3. Check there is sufficient level of oil in the generator and add oil if necessary (see Section 7.2).
4. Make sure there is sufficient level of in the fuel tank. Add fuel if necessary (see Section 7.4).
5. Make sure all electrical devices are unplugged from the generator during start, otherwise it will be difficult for the engine to start.
6. Turn the FUEL SWITCH to ON.

7.7.1 Manual Pull-Start

1. Turn the FUEL SWITCH to ON.
2. Press the POWER SWITCH to ON.

3. Put one hand on the generator to brace it from movement, pull the recoil starter handle slowly until a slight resistance is felt, then pull it quickly and firmly to start the engine. If the engine does not start repeat this process for 3-5 times until it starts. If the engine does not start after these attempts please consult the troubleshooting section of this manual.
4. Once the engine starts do not let go of the recoil starter handle as it may damage the spring, slowly feed it back into the generator.

7.7.2 Electric Start

1. Turn the FUEL SWITCH to ON.
2. Press the POWER SWITCH to ON.
3. Press the ENGINE START STOP button until the generator starts.
4. If the engine does not start please consult the troubleshooting section of this manual or try the manual pull-start.

7.8 Low Idle

This generator is equipped with an LOW IDLE mode, engaging this mode allows the system to regulate the engine speed and automatically adjust its fuel consumption to match the required load. When the electrical load changes, the generator engine will automatically speed up and slow down as needed. This reduces fuel consumption and noise levels, while extending runtime and engine's lifespan.

Keep this mode engaged only when the power load requirement is less than 75% of the rated wattage. Do not engage this mode when the total load is more than 75% of the rated wattage. The generator engine must run at full speed to supply power for anything over 75% of the rated wattage.

To use the LOW IDLE mode press the LOW IDLE button on the DATA CENTRE panel as shown in Section 6 on page 19.

7.9 Connecting Electrical Devices

To prolong the life of the generator and attached devices, it is important to take care when adding electrical loads to the generator. There should be nothing connected to the generator outlets before starting its engine. The correct and safe way to manage generator power is to sequentially add loads as follows:

1. Before connecting electrical devices, allow the generator to run for a few minutes to stabilize the speed and voltage output.

2. Select the device with the highest wattage, and make sure it is turned off. Plug the device into the generator and then turn the device on. Allow the engine to stabilize.

3. Repeat step 2 to plug in each additional device. **DO NOT** attempt to plug in or start multiple devices at the same time.

Never add more loads than the generator capacity. Take special care to consider surge loads in generator capacity as previously described. Do not overload the generator's capacity. Exceeding the generator's wattage/amperage capacity may damage the generator and/or electrical devices connected to it.

7.10 Shutting off the Generator

1. Turn off all electrical devices prior to unplugging them from the generator. Unplugging running devices can cause damage to the generator and/or devices.

2. Allow generator to run at no load for a few minutes to stabilize internal temperatures.

3. Press the ENGINE START STOP to stop the generator.

4. Turn the FUEL SWITCH to OFF.

5. Press the POWER SWITCH to OFF.

In case you are in a hurry and do not want to wait for the generator to automatically shut down, the manual shutoff feature is available. However, this method will leave stagnant fuel in the carburetor, possibly causing blockages, a shortened lifespan, and other maintenance issues. If this approach is frequently taken, make sure to drain your carburetor before any long storage periods.

8 Maintenance

Turn off the engine and disconnect the spark plug before carrying out any servicing or maintenance operation, failure to do this may result in serious injury and/or death.

Never pull the start cord when the HT lead is disconnected from the spark plug, or when the spark plug has been removed from the engine and the HT lead is connected. Doing so will produce a visible spark and may ignite any spilt petrol or petrol vapours, and/or lead to an electrical shock.

RECOMMENDED MAINTENANCE SCHEDULE Proper routine maintenance of the generator will help prolong its life. Please perform maintenance checks and operations according to the maintenance schedule. If there are any questions about the maintenance procedures listed in this manual, please contact an SIP service agent.

Recommended Maintenance Schedule		Every 8 hours or daily	Every 25 hours	Every 3 months or 50 hours	Every 6 months or 100 hours	Before storage	As necessary
Engine Oil	Check Level	x					
	Replace		x*			x	x
Air Filter	Check			x*			
	Clean / Replace			x*			
Spark Plug	Check / Clean / Regap				x		
	Replace					x	x
Fuel Tank	Check Level	x					
	Drain					x	x
Carburettor (Auto Shutoff)	Drain					x	x
Carburettor (Manual Shutoff)		x				x	
Spark Arrestor	Check / Clean				x		
Battery	Disconnect					x	

* Clean / change more often under dusty conditions or when operating under heavy loads.



Note: Drain your carburettor after each use and before storage to prevent it from clogging.



Note: Do not store the generator with fuel inside the tank for more than 2 months as the fuel will go stale.



Note: Run the generator for at least 20 minutes every month to charge the battery and maximize the generator's lifespan.

8.1 Draining / Changing Oil

Change the oil according to the recommended maintenance schedule on page 29. Change the oil more frequently if operating under heavy load or high ambient temperatures. It is also necessary to drain the oil from the crankcase if it has become contaminated with water or dirt. Changing the oil whilst the engine is warm allows for complete drainage and is recommended.

To change the engine oil:

1. With the help of another person, place the generator on an elevated platform such as table or workbench. To avoid possible oil spills from the carburettor bowl, drain the carburettor before draining oil, described in Section 8.4.

2. Unscrew the oil access cover knob, and remove the cover from the side panel as shown in Figure 13.

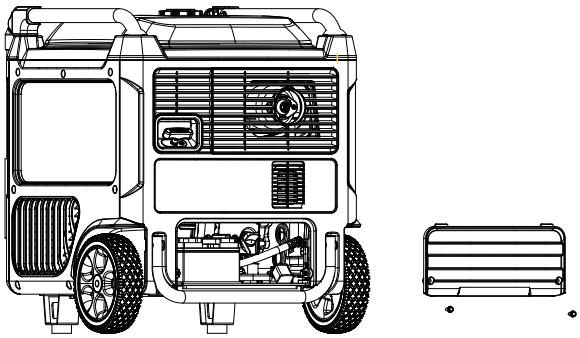


Figure 13: How to access the oil cap / dipstick and oil drain plug.

1. Place a suitable container underneath the generator to catch the used oil.

2. Reach under the generator and remove the black rubber seal located below the oil drain plug.

3. Remove the oil fill cap/dipstick.

4. Use a spanner/socket to remove the oil drain plug and allow the oil to drain completely into an oil pan, as shown in Figure 14

5. Reinstall the oil drain plug after the oil has drained.

6. Reinstall the black rubber seal.
7. With the generator level refill with engine oil following the instructions in Section 7.2 on page 21.
8. Reinstall the oil dipstick and tighten it securely. Wipe clean any oil spillage with a rag and reinstall the oil access cover.

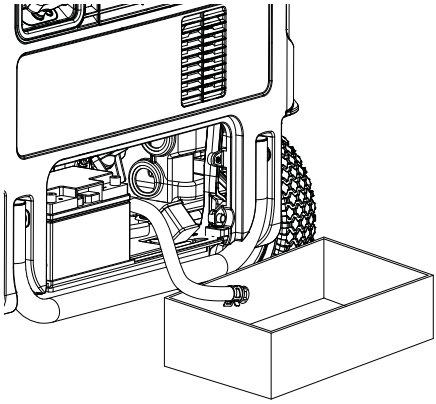


Figure 14: How to drain the engine oil from the generator.

Warning: Always dispose of used engine oil in accordance with local laws and regulations. Do not pour down a drain.

8.2 Air Filter Maintenance

Please follow the below instructions and Figure 15 on how to remove, clean / replace and reinstall the air filter.

1. Remove the maintenance cover plate that is closest to the carry handle of the unit.
2. Remove undo the clips and remove the filter cover plate.
3. Remove the filter element.

4. If the filter element is dirty, wash it with warm soapy and clean water and dry it thoroughly before reinstalling.
5. Reinstall the filter element.
6. Reinstall the air filter cover plate and clip back into place.
7. Reinstall the front maintenance cover plate on the unit.

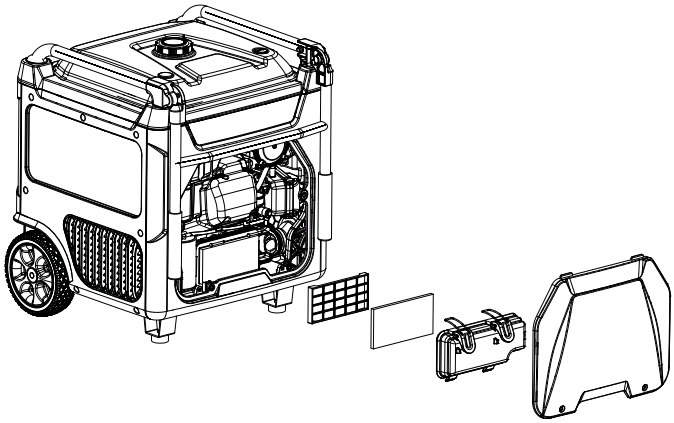


Figure 15: How to access and remove the air filter from the generator.

8.3 Spark Plug Maintenance

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

To check the condition of the spark plug by removing it from the engine follow the below steps and Figure 16:

1. Turn knob and remove the maintenance cover.
2. Remove the spark plug cap.
3. Clean any dirt from around base of spark plug.
4. Remove spark plug using provided wrench.

5. Inspect spark plug for damage, and clean with a wire brush before reinstalling. If insulator is cracked or chipped, the spark plug should be replaced.

6. Measure plug gap using feeler gauges. The correct gap is 0.7-0.8 mm. To widen gap, if necessary, carefully bend the ground (top) electrode. To lessen gap, gently press the ground electrode on a hard surface.

7. Seat spark plug in position; thread in by hand to prevent cross-threading.

8. Tighten with a spark plug socket to compress washer. If spark plug is new, use 1/2 turn to compress washer the appropriate amount. If reusing an old spark plug, use 1/8 to 1/4 turn for proper washer compression. Do not overtighen the spark plug.

9. Reinstall the spark plug cap.

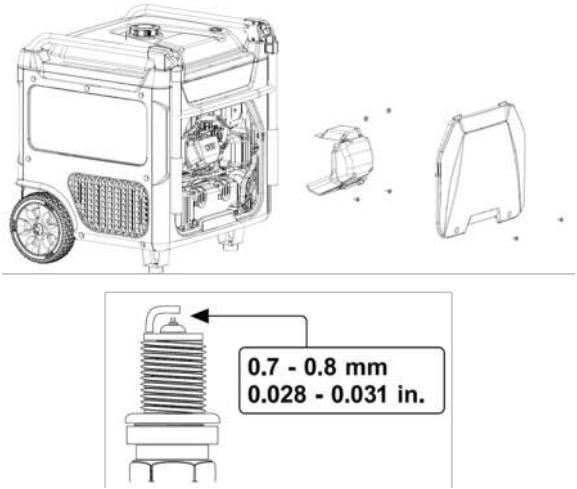


Figure 16: How to access and remove the spark plug from the generator.

8.4 Draning the Fuel Tank / Carburettor

To help prevent deposits in the fuel system, drain fuel from the tank and carburettor before storing.

8.4.1 Draining the Fuel Tank

1. With the help of another person, place the generator on an elevated platform such as a table or desk.
2. Unscrew the maintenance cover knob, and remove the cover from the side panel.
3. Make sure that the FUEL SWITCH is turned to ON. At this position, the fuel valve is open so that the fuel left inside the fuel tank and the carburettor will be drained.
4. The carburettor can be accessed between the engine and the air filter. Locate the transparent tube from the carburettor that extends down through the base plate of the generator.
5. Prepare an approved fuel-resistant storage container and direct the end of the drain tube into the container.
6. Open up the carburettor drain screw with a flat-head screwdriver (not included) and drain out any fuel that has built up inside the carburettor through the drain tube into the storage container.
7. Once the fuel has drained, tighten the drain screw with the screwdriver.
8. Reinstall the service panel.

8.4.2 Draining the Carburettor

1. With the help of another person, place the generator on an elevated platform such as a table or desk.
2. Unscrew the maintenance cover knob, and remove the cover from the side panel as shown in Figure 17.

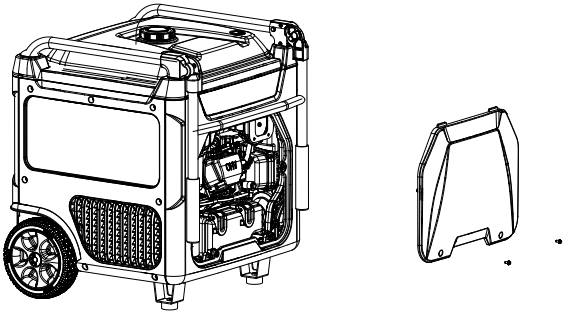


Figure 17: How to access the carburettor.

3. Make sure that the FUEL SWITCH is turned to OFF. At this position, the fuel valve is closed so that only the fuel left inside the carburettor will be drained and not the fuel tank as well.

4. The carburettor can be accessed between the engine and the air filter. Locate the transparent tube from the carburettor that extends down through the base plate of the generator.

5. Prepare an approved fuel-resistant storage container and direct the end of the drain tube into the container.

6. Open up the carburettor drain screw with a flat-head screwdriver (not included) as shown in Figure 18 and drain out any fuel that has built up inside the carburettor through the drain tube into the storage container.

7. Once the fuel has drained, tighten the drain screw with the screwdriver.

8. Reinstall the service panel.

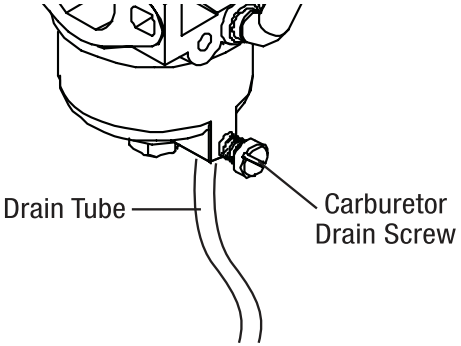


Figure 18: How to attach the drain pipe and drain the carburettor.

8.5 Battery Replacement

If the generator battery can no longer sustain a charge, or struggles to start the generator it may need replacement. Please follow the below instructions on how to access and replace the battery.

1. Unscrew the knob and remove the left maintenance cover plate.
2. Loosen the nuts and remove the battery belt and battery.
3. Replace the battery with a new battery. Battery Specification: 12 V, 5 Ah.
4. Put the battery back in place and fix it with nuts and the battery belt.
5. Reinstall and fix the left maintenance cover plate.

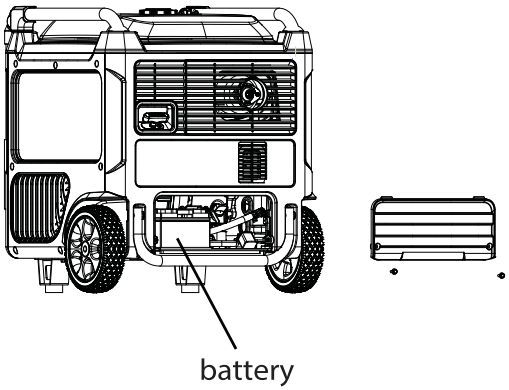


Figure 19: How to access and remove the battery from the generator.

Warning: The lead-acid batteries used in this generator contain lead, lead compounds and sulphuric acid. Always wear gloves when changing a battery and if acid is spilt onto the body, wash with plenty of water and seek medical advice.

8.6 Spark Arrestor Maintenance

1. Allow the engine to cool completely beforerepairing the spark arrester.
2. Loosen the bolt (A) to remove the flange pressing plate (B) and the spark arrester(C).
3. Carefully remove carbon deposits on the filter screen of spark arrester (C) with a steel wire brush.
4. If the spark arrester (C) is damaged, replace it with a genuine SIP spare part.
5. Place the spark arrester (C) on the muffler and reinstall it with the bolts removed in step 2.

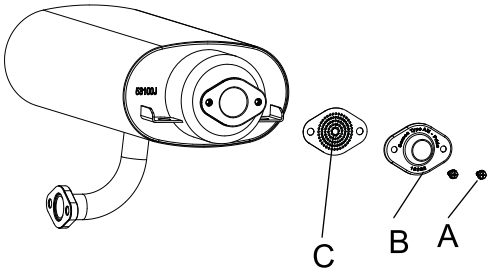


Figure 20: How to access the spark arrestor from the generator.

8.7 Cleaning the Generator

Never clean the generator whilst it is running, always switch the generator off and allow it to cool before performing any cleaning operation. Ensure that the generator is kept clean and stored properly. Only operate the unit on a flat, level surface in a clean, dry operating environment. **Do not** expose the unit to extreme conditions, excessive dust, dirt, rain, moisture or corrosive vapours.

Do not use a garden hose to clean the generator, water can enter the generator through the panels and into the engine and inverter electronics, resulting in catastrophic damage to the generator. Only use a damp cloth to clean exterior surfaces of the generator, do not use any cleaning chemicals as they may react with the surfaces. To remove stubborn dirt and oil use a soft bristle brush. Use an air compressor to clear dirt and debris from the generator. Inspect all air vents and cooling slots to ensure that they are clean and unobstructed.

8.8 Transporting the Generator

To prevent fuel spillage when transporting, be sure to perform the following:

1. Tighten the fuel cap and turn the FUEL SWITCH to OFF.
2. Set the POWER SWITCH to OFF.
3. Drain the fuel from the fuel tank (see Section 8.4, page 33).
4. Keep the generator upright. Never place the generator on its side or upside down as this will cause fuel and oil to leak from the engine.



Warning: If fuel is not drained before transport and the generator is transported inside an enclosed vehicle, fuel vapours may be produced (especially in warmer temperatures) that may ignite unexpectedly. **Always** drain fuel from the generator before transporting in a vehicle.

8.9 Storage

Shut off the generator and allow the unit to cool to room temperature before storing it. **Never** place any type of storage cover over the generator whilst it is still hot. **Do not** obstruct any ventilation openings. Follow the procedures below for properly storing your generator. We highly recommend running your generator once a month for 20 to 30 minutes to prevent seizing of the engine. Plug in a small load in to ensure there is proper power output when doing so.

To prolong the lifespan of the generator follow the below storage procedures depending on the period of time the generator will be stored for.



Note: Store the generator upright in a cool and dry location, away from sources of heat, open flames, sparks or pilot lights to prevent ignition of any residual fuel or vapours.

8.9.1 Short-Term Storage (30 to 60 Days)

- Add fuel stabilizer and run the generator with a small load for 15 to 20 minutes.
- Drain the carburettor.
- Disconnect the battery connector and reattach end cap.



Note: Follow the suggested portions and instructions of your preferred stabilizer. Run the engine for 15 to 20 minutes, allowing the fuel stabilizer to mix with the petrol and circulate through the carburettor, and then top off with fuel. Filling the fuel tank full reduces the amount of air in the tank and helps fight deterioration of fuel.

8.9.2 Long-Term Storage (Over 60 Days)

- Drain the fuel tank and carburettor (see Section 8.4, page 33). Never store the generator with fuel in the tank for more than two months.

- Disconnect the battery connector and reattach end cap.
- Change the engine oil (see Section 7.2, page 21).

9 Troubleshooting

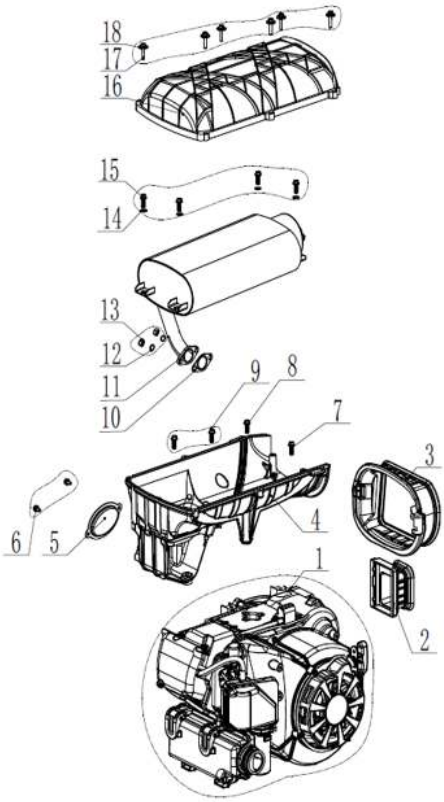
Problem	Possible Cause	Solution
Engine will not start.	• Battery does not have sufficient charge. • POWER SWITCH is in the OFF position. • The generator has run out of fuel. • There is water or stale fuel in the fuel tank. • Engine oil level is low. • FUEL SWITCH is in the OFF position. • Spark plug is faulty, incorrectly seated or improperly gapped. • Engine stored without treating or draining petrol, or refueled with bad petrol. • Dirty fuel filter is restricting fuel flow.	• Charge the battery or replace if it still does not hold charge. • Turn the enginer POWER SWITCH to the ON position. • Fill the fuel tank with fresh petrol. • Drain entire fuel system and refill with fresh petrol. • Engine is supplied with a low oil shut-off. If the engine oil level is low it must be filled before the generator will start. Check engine oil level and fill as necessary. • Turn FUEL SWITCH to the ON position. • Replace the spark plug or set the correct gap. • Drain fuel from the sytem and refill with fresh petrol. • Replace fuel filter.

Problem	Possible Cause	Solution
Engine lacks power, hunts, and/or is unable to power large electrical loads.	• Dirty air filter is preventing adequate supply to the engine. • Engine stored without treating or draining petrol, or refueled with bad petrol. • Spark arrestor is blocked with carbon deposits from the engine exhaust. • Engine oil has not been changed with the correct frequency. • Generator does not have the capacity to power the connected electrical devices.	• Check and clean the air filter if necessary. • Drain fuel from the sytem and refill with fresh petrol. • Perform cleaning maintenance on the spark arrestor. • Drain engine oil and refill with fresh oil. • Disconnect devices to reduce load on the generator.

Problem	Possible Cause	Solution
AC sockets (110 V and 230 V) do not supply power to connected devices.	• OUTPUT indicator is OFF and OVERLOAD indicator is ON. • AC circuit proector(s) tripped. • Connected electrical device is faulty.	• Check the device is correctly rated for the outlet supply. Stop the generator, disconnect the device, restart and reconnect the device. • Check the device is correctly rated for the outlet supply. • Test the socket with another electrical device.

9.1 Exploded Drawing and Parts List

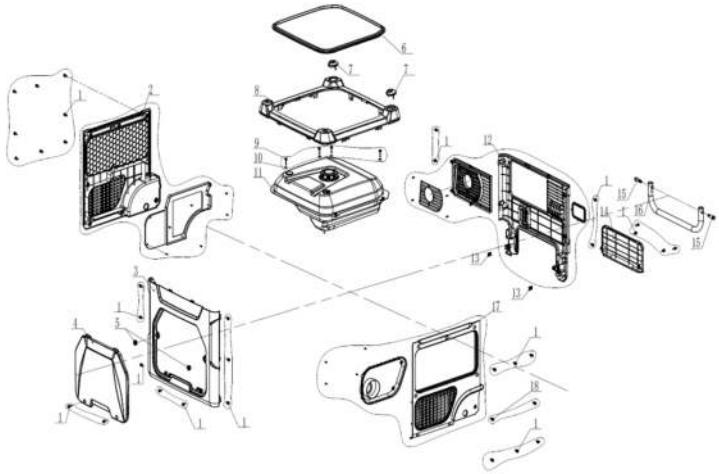
9.1.1 Generator Internal Parts



Ref No	Description	SIP Product Code
1	Engine	PW01-15853
2	Alternator exhaust sleeve	PW01-15854
3	Muffler exhaust sleeve	PW01-15855

Ref No	Description	SIP Product Code
4	Muffler lower air guide cover assembly	PW01-15856
5	Muffler lower cover	PW01-15857
6	Hexagon flange bolt M6×12	PW01-15858
7	Hexagon flange bolt M8×25	PW01-15859
8	Hexagon flange bolt M10×30	PW01-15860
9	Hexagon flange bolt M8×30	PW01-15861
10	Exhaust port gasket	PW01-15862
11	Muffler assembly	PW01-15863
12	Spring washer	PW01-15864
13	Hex nut	PW01-15865
14	Flat washer	PW01-15866
15	Hexagon flange bolt M8×20	PW01-15867
16	Muffler upper air guide cover assembly	PW01-15868
17	Hexagon flange bolt M6×10	PW01-15869
18	Flat washer	PW01-15870

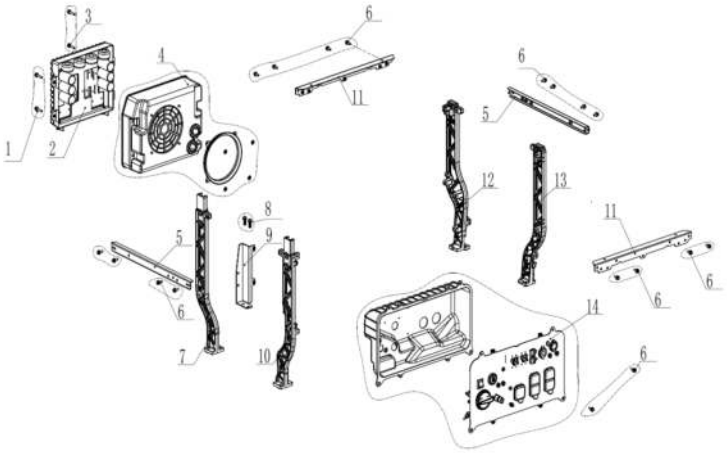
9.1.2 Generator Casing Parts



Ref No	Description	SIP Product Code
1	Hexagon flange bolt M6×16	PW01-15871
2	Back cover assembly	PW01-15872
3	Right-side cover assembly	PW01-15873
4	Left-side window cover	PW01-15874
5	Rubber sleeve	PW01-15875
6	Fuel tank rubber sleeve	PW01-15876
7	Top beam rubber sleeve	PW01-15877
8	Fuel tank cover assembly	PW01-15878
9	Hexagon flange bolt M6×25	PW01-15879
10	Flat washer	PW01-15880
11	Fuel tank assembly	PW01-15881
12	Exhaust housing assembly	PW01-15882
13	Clamp nut	PW01-15591
14	Oil filler inspection cover assembly	PW01-15883

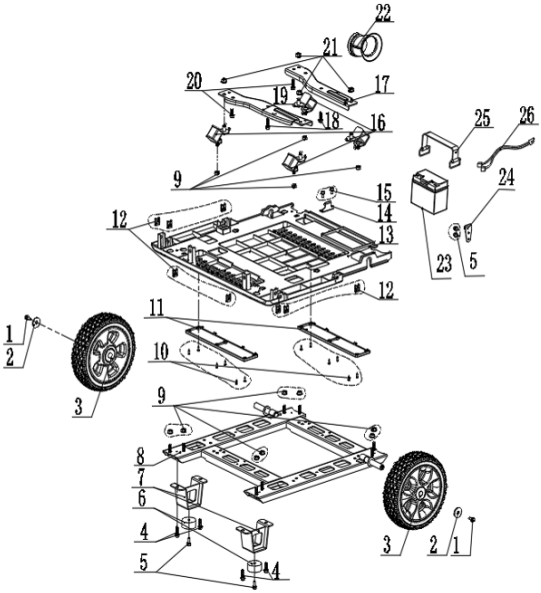
Ref No	Description	SIP Product Code
15	Handle locking pin	PW01-15884
16	Lower handle tube components	PW01-15885
17	Front cover assembly	PW01-15886
18	Hexagon flange bolt M6×20	PW01-15887

9.1.3 Generator Frame Parts



Ref No	Description	SIP Product Code
1	Hexagon flange bolt M8x30	PW01-15861
2	Inverter	PW01-15888
3	Hexagon flange bolt M6x30	PW01-15861
4	Inverter air guide cover assembly	PW01-15889
5	Beam	PW01-15890
6	Hexagon flange bolt M6x16	PW01-15891
7	Column E	PW01-15892
8	Hexagon flange bolt M8x20	PW01-15893
9	Inverter bracket	PW01-15894
10	Column F	PW01-15895
11	Fuel tank bracket	PW01-15896
12	Column B	PW01-15897
13	Column A	PW01-15898
14	Control panel assembly	PW01-15899

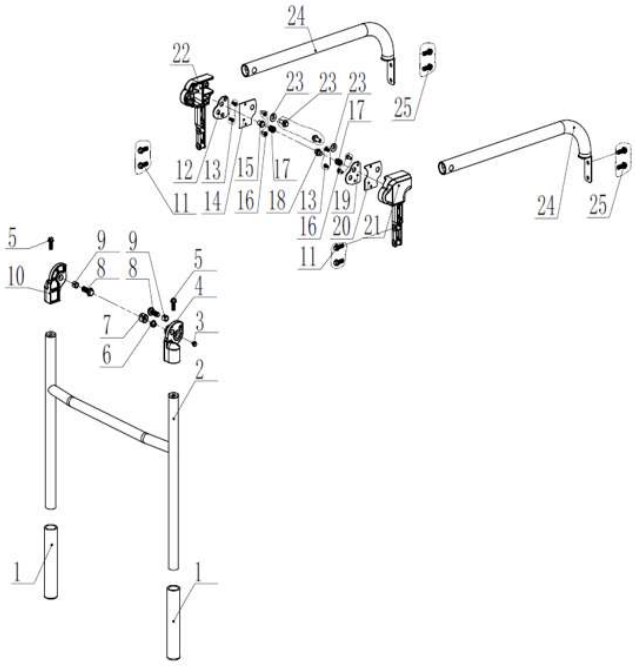
9.1.4 Generator Base Plate Parts



Ref No	Description	SIP Product Code
1	Hexagon flange bolt	PW01-15900
2	Flat washer	PW01-15901
3	Wheel assembly	PW01-15902
4	Hexagon flange bolt M8X20	PW01-15867
5	Hexagon flange bolt M6X25	PW01-15869
6	Vibration damping pad	PW01-15903
7	Stand	PW01-15904
8	Supporting plate	PW01-15905
9	Hexagon flange nut	PW01-15893
10	Cross recessed pan head self-tapping screw	PW01-15906

Ref No	Description	SIP Product Code
11	Dust cover	PW01-15907
12	Clamp nut	PW01-15591
13	Base plate	PW01-15908
14	Battery holder	PW01-15909
15	Hexagon flange bolt M6X16	PW01-15871
16	Vibration-damping seat	PW01-15910
17	Right engine base plate	PW01-15911
18	Hexagon flange bolt M10X30	PW01-15860
19	Left engine base plate	PW01-15912
20	Hexagon flange bolt M10X25	PW01-15913
21	Hexagon flange nut M10	PW01-15893
22	Air filter intake sleeve	PW01-15914
23	Battery	PW01-15915
24	Battery holder B	PW01-15916
25	Battery strap	PW01-15805
26	Wire harness components	PW01-15917

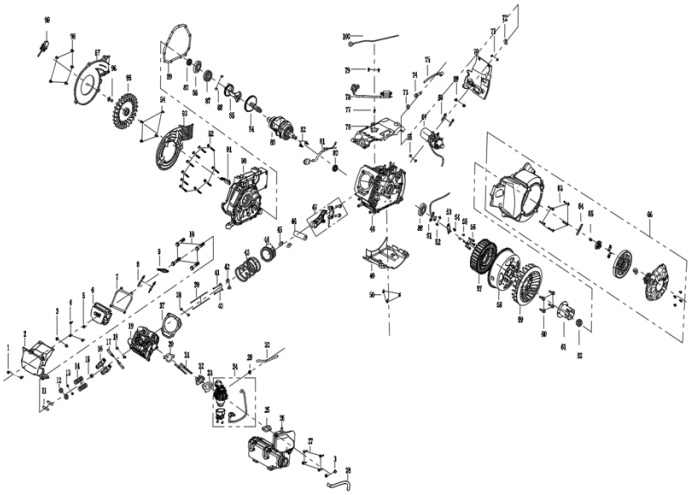
9.1.5 Generator Handle Parts



Ref No	Description	SIP Product Code
1	Handle rubber sleeve	PW01-15918
2	Handle tube components	PW01-15919
3	Hexagon flange bolt M5x10	PW01-15920
4	Right handle mounting bracket	PW01-15921
5	Hexagon socket head cap screw	PW01-15922
6	Spring washer	PW01-15864
7	Button	PW01-15923
8	Hexagon flange bolt M10x25	PW01-15924
9	Bushing	PW01-15925

Ref No	Description	SIP Product Code
10	Left handle mounting bracket	PW01-15926
11	Hexagon flange bolt M8x25	PW01-15859
12	Left mounting cover plate	PW01-15927
13	Cross recessed countersunk head screw	PW01-15928
14	Left handle stop block	PW01-15929
15	Handle locating pin	PW01-15930
16	Cross recessed pan head screw	PW01-15928
17	Tension spring	PW01-15931
18	Handle locating pin	PW01-15932
19	Right mounting cover plate	PW01-15933
20	Right handle stop block	PW01-15934
21	Right support tube mounting bracket	PW01-15935
22	Left support tube mounting bracket	PW01-15936
23	Roof beam sealing sleeve	PW01-15877
24	Support tube components	PW01-15937
25	Hexagon flange bolt M6x12	PW01-15938

9.1.6 Generator Engine Parts



Ref No	Description	SIP Product Code
1	Hexagon flange bolt M6x16	PW01-15939
2	Cylinder head air guide cover	PW01-15940
3	Hexagon flange nut M6	PW01-15941
4	Hexagon flange bolt M6x40	PW01-15942
5	Hexagon flange bolt M6x35	PW01-15943
6	Cylinder cover components	PW01-15944
7	Cylinder cover sealing gasket	PW01-15945
8	Double headed support bolt	PW01-15946
9	Spark plug	PW01-15947
10	Hexagon flange bolt M10x87	PW01-15948
11	Double headed bolt M8x35	PW01-15949
12	Valve spring seat	PW01-15950
13	Valve clip	PW01-15951

Ref No	Description	SIP Product Code
14	Valve spring	PW01-15952
15	Oil seal	PW01-15953
16	valve rocker assembly	PW01-15954
17	Intake port sealing gasket	PW01-15955
18	Shaft circlip	PW01-15956
19	Cylinder head assembly	PW01-15957
20	Intake port sealing gasket	PW01-15955
21	Intake double headed bolt	PW01-15958
22	Carburetor connecting block	PW01-15959
23	Carburetor gasket	PW01-15960
24	Carburetor assembly	PW01-15961
25	Air filter sealing gasket	PW01-15962
26	Air filter assembly	PW01-15963
27	Hexagon flange bolt M6x25	PW01-15879
28	Exhaust pipe	PW01-15964
29	Clamp B6	PW01-15965
30	Fuel pipe	PW01-15966
37	Cylinder head sealing gasket	PW01-15967
38	Locating pin	PW01-15968
39	Valve push rod	PW01-15969
40	Exhaust valve	PW01-15970
41	Intake valve	PW01-15971
42	Valve tappet	PW01-15972
43	Piston ring components	PW01-15973
44	Piston	PW01-15974
45	Piston pin circlip	PW01-15975
46	Piston pin	PW01-15976
47	Connecting rod assembly	PW01-15977
48	Crankcase	PW01-15978
49	Crankcase lower air guide cover	PW01-15979
50	Hexagon flange bolt M6x16	PW01-15891
51	Trigger	PW01-15980

Ref No	Description	SIP Product Code
52	Hexagon flange bolt M6x20	PW01-15887
53	Wire pressing plate	PW01-15981
54	Hexagon flange bolt M6x12	PW01-15982
55	Locating pin	PW01-15983
56	Hexagon socket head cap screws	PW01-15984
57	Stator	PW01-15985
58	Rotor	PW01-15986
59	Fan/ Cooling fan	PW01-15987
60	Hexagon flange bolt M6x16	PW01-15891
61	Starting cup	PW01-15988
62	Hexagon flange nut M6	PW01-15989
63	Hexagon flange bolt M6x25	PW01-15879
64	Metal wire clip	PW01-15990
65	Hexagon flange bolt M6x12	PW01-15982
66	Recoil starter assembly	PW01-15991
67	Start motor components	PW01-15992
68	Hexagon flange bolt M8x32	PW01-15993
69	Hexagon flange bolt M6x16	PW01-15891
70	Housing side air guide cover assembly	PW01-15994
71	Cross recessed pan head self-tapping screw	PW01-15906
72	Guiding rubber sleeve	PW01-15995
73	Aluminum gasket	PW01-15996
74	Sealing plug of oil drain pipe	PW01-15997
75	Oil drain pipe components	PW01-15998
76	Crankcase upper air guide cover	PW01-15999
77	Hexagon flange bolt M6x12	PW01-15982
78	Igniting controller	PW01-16000
79	Hexagon flange bolt M6x16	PW01-15891
80	Deep groove ball bearing	PW01-16001
81	Oil sensor	PW01-16002
82	Hexagon flange bolt M6x16	PW01-15891

Ref No	Description	SIP Product Code
83	Crankshaft assembly	PW01-16003
84	Camshaft assembly	PW01-16004
85	Balance shaft	PW01-16005
86	Locating pin	PW01-16006
87	Deep groove ball bearing	PW01-16007
88	Oil seal	PW01-16008
89	Crankcase cover sealing gasket	PW01-16009
90	Crankcase cover	PW01-16010
91	Sealing strip for cylinder head air guide cover	PW01-16011
92	Hexagon flange bolt M8x40	PW01-16012
93	Partition	PW01-16013
94	Hexagon flange bolt M6x16	PW01-15891
95	Fan	PW01-16014
96	Hexagon flange bolt M10x25	PW01-15924
97	Rear impeller cover	PW01-16015
98	Hexagon flange bolt M6x16	PW01-15891
99	Oil dipstick components	PW01-16016
100	Temperature sensor	PW01-16017

10 UK - Declaration of Conformity

We, SIP (Industrial Products) Ltd, Gelders Hall Road, Shepshed, Loughborough, Leicestershire, LE12 9NH, United Kingdom

As the manufacturer within the UK, England, Scotland and Wales, declare that the

SIP MEDUSA® ISG8800 8.8kW Dual Voltage Digital Inverter Generator - 25405

Conforms to the requirements of the following regulation(s), as indictated:

Supply of Machinery (Safety) Regulations 2008

The Electromagnetic Compatibility Regulations 2016

Noise Emission in the Environment by Equipment for Use Outdoors Regulations 2001

The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

The Non-Road Mobile Machinery (Type-Approval and Emission of Gaseous and Particulate Pollutants) Regulations 2018

And the relevent designated standard(s), including:

BS EN ISO 3744:1995

BS EN ISO 8528-13:2016

BS EN 55012:2007+A1:2009

BS EN IEC 61000-6-1:2019

Noise measurements have been made and fulfil the requirements laid out in Annex VI in Directive 2000/14/EC. The declared noise values are as follows:

Measured sound power level - 97dB(A), Guaranteed sound power level - 97dB(A)



Mr. P Ippaso - Managing Director
SIP (Industrial Products) Ltd
Date: 23/12/2025

11 EU - Declaration of Conformity

We, SIP (Machinery Europe) Ltd, ASM, Block One, Quayside Business Park, Dundalk, County Louth, A91 DP8R, Republic of Ireland

As the manufacturer's authorised representative within the EC, declare that the

SIP MEDUSA® ISG8800 8.8kW Dual Voltage Digital Inverter Generator - 25405

Conforms to the requirements of the following directive(s), as indictated:

2006/42/EC	**Machinery Directive**
2014/30/EU	**Electromagnetic Compatability Directive**
2000/14/EC	**Noise Emmission by Outdoor Equipment Directive**
2011/65/EU	**RoHS Directive**
EU 2016/628	**Gaseous and Particulate Pollutant Emission Limits and Type-Approval for Internal Combustion Engines for Non-Road Mobile Machinery (Euro V) Directive**

And the relevent harmonised standard(s), including:

EN ISO 3744:1995

EN ISO 8528-13:2016

EN 55012:2007+A1:2009

EN IEC 61000-6-1:2019

Noise measurements have been made and fulfil the requirements laid out in Annex VI in Directive 2000/14/EC. The declared noise values are as follows:

Measured sound power level - 97dB(A), Guaranteed sound power level - 97dB(A)



Mr. P Ippaso - Managing Director
SIP (Machinery Europe Ltd)
Date: 23/12/2025

CE

12 Notes



Please dispose of packaging for the product in a responsible manner. It is suitable for recycling. Help to protect the environment, take the packaging to the local amenity tip and place into the appropriate recycling bin.



Never dispose of electrical equipment or batteries in with your domestic waste. If your supplier offers a disposal facility please use it or alternatively use a recognised recycling agent. This will allow the recycling of raw materials and help protect the environment.

FOR HELP OR ADVICE ON THIS PRODUCT PLEASE CONTACT YOUR DISTRIBUTOR OR SIP DIRECTLY ON:

T: 01509 500400
E: sales@sip-group.com or customerservice@sip-group.com

SIP INDUSTRIAL

British Assessment Bureau
UKAS MANAGEMENT SYSTEMS
8289
ISO 9001
QUALITY MANAGEMENT

SIP (INDUSTRIAL PRODUCTS) LTD
Gelders Hall Road, Shepshed, Loughborough, Leicestershire, LE12 9NH, UK
www.sip-group.com

SIP (MACHINERY EUROPE) LTD
ASM, Block One, Quayside Business Park, Mill Street, Dundalk, Co. Louth, A91 DP8R, Ireland
www.sip-group.eu

Every reasonable effort has been made to present current and accurate information at time of print. However, SIP reserve the right to change catalogue details or product specifications without notice. Photographs are for illustration purposes only. E&OE. Contents & images are copyright © SIP Ltd. & cannot be reproduced without express written permission.