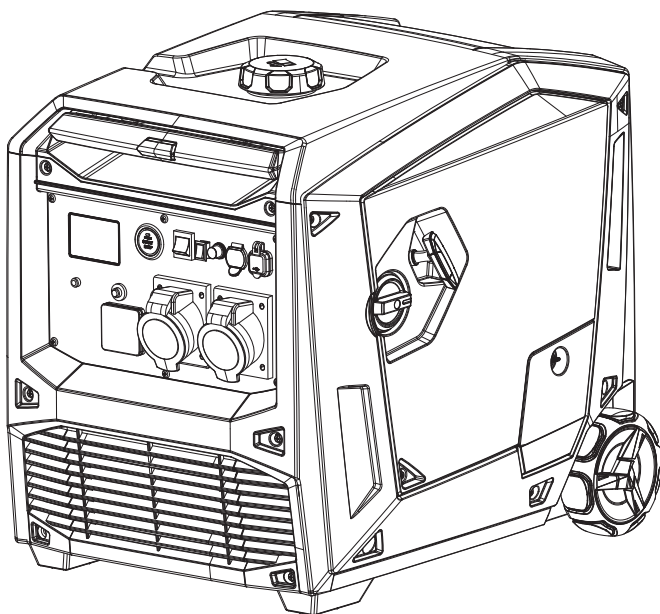




JCB-IG8500DVE

Original Instructions

GENERAL WARNINGS & DISPOSAL



To reduce the risk of injury, the user must read the instruction manual.



This symbol is used throughout this manual to warn the user about potential risks. Please read & understand these sections before using the device.



Personal Protective Equipment (P.P.E.), such as ear defenders, eye protection, safety gloves and a dust mask, must be worn during the operation of the device.



This product has been marked with a symbol relating to removing electric and electronic waste. The product should not be discarded with household waste but must be returned to a collection system which conforms to the EU Directive 2012/19/EU or the UK Waste Electrical and Electronic Equipment Regulations 2013. It will then be recycled or dismantled in order to reduce the impact on the environment. Electric and electronic equipment can be hazardous for the environment and for human health since they contain hazardous substances.



Exhaust Gas Warning : Exhaust Gas from this machine is poisonous, NEVER operate in an unventilated area



Hot Surface Warning : During the operation of this machine, it becomes dangerously hot. Allow to cool before moving



Fire Risk Warning : Due to using flammable liquids, risk of fire is always present. NEVER refuel during operation.



Proximity Warning : Ensure during operation a 4ft boundary is observed.



Sound Warning : This machine exerts 97dB of noise during operation. Ensure this is considered whilst operating.



Detonation Warning : Prior to refuelling always turn off the machine. After refuelling check for spilt fuel. NEVER operate near open flames.

GENERAL WARNINGS & DISPOSAL



Water Exposure Warning : Never allow the machines to be exposed to rain or wet conditions.



Electrocution Warning : This machine is a potential source of electrical shock. Never expose to moisture, rain or snow. Do not operate with wet hands or feet.



Grounding Warning : Failure to properly ground this machine can result in electrocution.



Ground Location : This shows suitable areas where the machine can be connected to ground.

CARBON MONOXIDE WARNING!



BREATHING IN CARBON MONOXIDE FUMES CAN CAUSE DEATH! Using a generator indoors in an unventilated area **CAN KILL YOU IN MINUTES!** The exhaust fumes from machines contain Carbon Monoxide. This is a poisonous gas that you can't see or smell.

- NEVER use inside a building with poor ventilation even IF the doors and windows are open.
- NEVER use inside a confined space such as but not limited to a house, garage, large vehicle, boat or tent.
- Never operate the machines near other machines which use flammable liquids as a fuel source.
- Only use the machine outside far away from open windows, doors and vents.

CONTENTS

GENERAL WARNINGS & DISPOSAL CONTENTS

Introduction

SAFETY INFORMATION

General Safety

Understand your machine

Personal Safety

Inspect your machine

Work Area

Machine Specific Safety

Fuel Safety & Information

Batteries (Where Present)

Electricity (Where Applicable)

Vibrations (Where Applicable)

Residual Risks

Intended Use

Unboxing

COMPONENT LIST

TECHNICAL DATA

NOISE INFORMATION

PRE-OPERATION CHECKS

Oil & Fuel Level

Air Filter

Electrical Unloading

E-Start Battery Connection

Machine Grounding

OPERATING INSTRUCTIONS

Starting

Stopping

ECO-MODE

Connecting appliances

General Status indicators

MAINTENANCE & CARE

Service Schedule

Fuel & Carburetor Maintenance

Oil Maintenance

Air Filter Maintenance

Sparkplug Maintenance

Spark Arrestor Maintenance

Remote Pairing and Reset

Transport and Storage

Troubleshooting

WARRANTY STATEMENT

EU/UK DECLARATION OF CONFORMITY

2-3

4

5

6-12

6

6

6-7

7-8

8

8

8-9

10

10-11

11

12

12

12

13

13

14

15-16

15

16

16

17

17

18-21

18

19

19

20

21

22-26

22

23

24

24

25

25

26

26

27

28

29



INTRODUCTION

We work very hard to give all of our customers the best possible service. If you have any problems, before leaving negative feedback, please contact us to give us a chance to resolve the issue. We would be delighted if you left us positive feedback! Thank you for purchasing this product.

IMPORTANT!

WARNING: READ THE INSTRUCTION BOOKLET THOROUGHLY BEFORE USING THE MACHINE.

the product and contains all the necessary information to ensure its correct and safe use. Following all the instructions and guidance in this manual will ensure the safety of both the product and the operator and increase the lifespan of the product.

All photographs and drawings within this manual are to help illustrate correct operation of the product. Every effort has been made to ensure the information contained in this manual is accurate. However, we reserve the right to amend this document without prior warning. Always use the latest version of the product manual.

Keep for future reference and pass it on if the machine is loaned or sold to another user.

This manual has been produced by JCB Tools, and should be kept with the product. Please read and understand these instructions before you use your product. Failure to do this may result in personal injury or damage to the product.

The safety precautions and warnings are to ensure your safety and protect you from harm or damage to the product.

The information contained in this manual was accurate at the time of production, however JCB Tools may make modifications to the product without notification.

These are the original product instructions. This document is part of the product; retain it for the life of the product, passing it on to subsequent holders. Read this manual in full before attempting to assemble, operate or maintain this product.

This manual describes the purpose of

SAFETY INFORMATION

General Safety!

No list of safety guidelines can be complete. Every environment is different. Always consider safety first, as it applies to your individual working conditions. Use this and other machinery with caution and respect. Failure to do so could result in serious injury, damage to equipment, or poor work results.



This symbol is used throughout this manual to warn the user about potential risks. Please read & understand these sections before using the device

Understand your machine

- **WARNING!** You must read these instructions carefully before operating the machine. Make sure that you are familiar with the controls and properly operate the machine. You must learn how to stop the machine quickly. If you do not follow the warnings and instructions, it may result in fire and/or serious injury. Make sure to save all warnings and instructions for future reference.
- Read this manual and labels affixed to the machine to understand its limitations and potential hazards.
- Be thoroughly familiar with the controls and their proper operation. Know how to stop the machine and disengage the controls quickly.
- If the unit is to be used by someone other than original purchaser, or is to be loaned, rented, or sold, always provide this manual and any needed safety training

before operation. The user can prevent and is responsible for accidents or injuries that may occur to themselves, to other people, or to property.

- Do not force the machine beyond its limits. Use the correct machine for your application.
- Know how to stop the machine quickly in case of emergency. Understand the use of all controls.
- ALL MAINTENANCE other than that listed in this manual, should be carried out by professionally trained and certified personnel.
- When using this machine for the first time and before actual work, you **MUST** learn how to handle the machine from an experienced or skilled person.



Personal Safety

- **WARNING!** Never allow children or people unfamiliar with these instructions to use the product. Local regulations can restrict the minimum age of the operator.
- Keep children, pets, and other people not using the unit away from the work area (at least 15m). Be alert and shut off the unit if anyone enters work area. Keep children under the watchful care of a responsible adult.
- Stay alert, watch what you are doing and use common sense when operating the machine. Never operate the machine when unwell or tired, or if you have taken alcohol, medicine, drugs or any substances which may slow your reflexes and compromise judgment. A moment of inattention while operating the machine may result in serious personal injury.
- Appropriate Personal Protective Equip-

ment (PPE), MUST be worn at all times when operating or repairing the machine. Always wear anti-slip and resistant work footwear and long trousers while using the machine. Do not use the machine when barefoot, wearing sandals or similar lightweight footwear. Do not wear chains, bracelets or clothing that is loose fitting or hanging ties or cords. Tie long hair back. Always wear protective earplugs. Loose clothes, jewellery, or long hair can be caught in moving parts. Protect eyes, face, and head from objects that may be thrown from the unit. Always wear safety goggles or safety glasses with side shields when operating.

- Always keep hands and feet away from all moving parts during operation. Moving parts can cut or crush body parts. Always keep hands and feet away from all pinch points.
- Do not touch parts that might be hot from operation. Allow parts to cool before attempting to maintain, adjust, or service.
- Never place any part of your body where it would be in danger if movement should occur during assembly, installation, and operation, maintenance, repairing or moving.
- Start the machine carefully according to instructions.
- Keep in mind that the operator or user is responsible for accidents, hazards or unexpected events involving the machine that occur to other people or their property. It is the responsibility of the user to assess the potential risk of the area where work is being carried out. The operator or user must take all necessary precautions to ensure their own safety and that of others, especially on slopes or rough, slippery and unstable ground.



Inspect your Machine

- Check your machine before starting it. Keep guards in place and in working order. Make sure all nuts, bolts, etc., are securely tightened.
- You must check the general condition of the machine before use.
- Never operate the machine when it is in need of repair or is in poor mechanical condition. Replace damaged, missing, or failed parts before using it. Check for fuel leaks. Keep the machine in safe working condition.
- Do not use the machine if the engine's switch does not turn off the engine when running. Any petrol powered machine that can't be controlled with the engine switch is dangerous and must be replaced.
- Regularly check to see that keys and adjusting wrenches are removed from the machine area before starting it. A wrench or a key that is left attached to a rotating part of the machine may result in personal injury.
- If the machine should start to vibrate abnormally, stop the engine and check immediately for the cause. Vibration is generally a warning sign of trouble.
- Avoid accidental starting. Be sure the engine's switch is off before transporting the machine or performing any maintenance or service on the unit. Transporting or performing maintenance or service on a machine with its switch on invites accidents.
- Do not tamper with or disable safety systems.
- Only use manufacturer-recommended attachments.
- Before using, always visually inspect to see that the tools are not worn out or damaged. Replace worn out or damaged



elements and bolts in set to preserve balance.

- Keep the machine in good operating condition. Operating the machine in poor or questionable condition could result in serious injury.
- Be sure all safety devices are in working order and warning labels are in place. These items are installed for your safety.

Work Area

- Make sure you thoroughly inspect the entire work area. You must only work in daylight or with good artificial light in good visibility conditions. Do not work at night, at times of heavy fog, or at any other times when your field of vision might be limited and it would be difficult to gain a clear view of the area.
- Keep people, children and animals away from the working area.
- Operate on flat, level ground.
- Never leave the machine in a place with unstable ground which could give way.
- You must be careful near ravines, ditches or embankments.
- Exercise extreme caution when operating on or crossing gravel drives, walks, or roads. Stay alert for hidden hazards or traffic.
- Pay the utmost attention when working on frozen ground as the machine may tend to slide.
- Do not work in the rain, when there is a thunderstorm or lightning risk, at times of strong or gale force winds, or at any other times when the weather conditions might make it unsafe to use this product. If there is bad weather conditions, do not use the machine.

Machine Specific Safety

- Never Use the machine in wet conditions
- This machine is powered by flammable fuel which can result in a fire or explosion, causing serious injury.

Fuel Safety!



CAUTION! ALL FUELS ARE HIGHLY FLAMMABLE & PETROL VAPOUR IS EXPLOSIVE. TAKE EXTREME CARE WHEN HANDLING FUEL. KEEP FUEL OUT OF REACH OF CHILDREN.

- Do not smoke each time fuel is handled.
- ALWAYS avoid inhaling fumes.
- ALWAYS carry fuel in the correct and clearly marked container.
- ALWAYS wear correct, suitable and fit for purpose Personal Protective Equipment (PPE), suggested items are but not limited to safety gloves and overalls.
- To avoid sparking or arcing, keep grounded conductive objects such as tools away from exposed, live electrical parts and connections. These events could ignite fumes or vapours.
- Do not operate the machine with known leaks in the fuel system.
- Fire hazard - keep fuel away from all sources of ignition for example heaters, lamps, sparks from grinding or welding.
- DO NOT carry out hot work on tanks that have contained fuel.
- ALWAYS keep the work area tidy.
- ALWAYS dispose of waste fuels correctly.
- Serious personal injury can occur when petrol is spilled on yourself or your clothes. Rinse your skin and change your clothes immediately.

Spilled Fuel

- If you have spilled fuel, make sure you do not attempt to ignite the engine but move the machine away from the area of spilled fuel and avoid creating any source of ignition until the fuel has evaporated and fuel vapours have dissipated.
- When fuel is spilled on yourself or your clothes, wash your skin and change clothes immediately.
- ALWAYS clean up spills promptly using absorbent granules and a lidded bin.

Fuelling/De-Fuelling

- ALWAYS fuel and de-fuel in a well ventilated area outside of buildings. Use a funnel to add fuel, only outdoors. Do not smoke during this and each time fuel is handled.
- Add fuel before igniting the engine, never remove the fuel tank cap or add fuel whilst the engine is running or when it is hot.
- When de-fuelling ALWAYS use a proper fuel retriever.
- Never overfill the fuel tank. Engine heat can cause fuel to expand, never fill the tank to more than 1/2" below the bottom of the filler neck. This will provide space for fuel expansion.
- When refilling or draining the fuel tank, use an approved fuel storage container while in a clean, well-ventilated outdoor area. While adding fuel or operating the unit, do not smoke, and stay away from sparks, open flames, or other sources of ignition near the area of operation.
- Always stop the engine and allow it to cool before filling the fuel tank. Never remove the cap of the fuel tank or add fuel while the engine is running or when the engine is hot.
- Loosen the fuel tank cap slowly to relieve any pressure in the tank.
- ALWAYS keep the handles dry, clean and free of oil and fuel.
- After fueling, ensure to tighten the cap securely.
- Never use the lock-function when filling

with fuel.

- Store fuel in containers specifically designed and approved for fuel storage.

Fuel Information

Using E10 Petrol Important: This product must be used with high-quality unleaded fuel ONLY. ALWAYS use automotive petrol/gasoline suitable for four-stroke engines; DO NOT mix fuel and oil. It is recommended to use E10 (95 RON) automotive fuel, with an appropriate additive or stabiliser in this product. Damage caused by failure to add fuel or using incorrect or poor-quality fuel is not covered by your warranty. CAUTION! E10 petrol is hygroscopic and attracts moisture, which may damage the fuel system if stored in the product for more than four weeks. After draining the fuel tank, always run the engine until the last of the fuel in the system is spent and drain the float bowl when the engine is cool. E10 petrol should be used within 30 days of purchase. Some petrol brands contain other quantities of ethanol. DO NOT use fuels with more than 10% ethanol in your Genpower product. Always store and dispose of fuels responsibly and in accordance with local regulations.

Fuel Storage

- Store fuel in containers specifically designed and approved for fuel storage.
- Store fuel in a cool, well-ventilated area, safely away from sparks, open flames, or other sources of ignition.
- Never store fuel or a machine with fuel in the tank inside a building where fumes may reach a spark, open flame, or any other source of ignition (such as a water heater, furnace, or clothes dryer). Allow the engine to cool before storing in any enclosure.
- Replace all fuel tank and container caps securely and wipe up spilled fuel. Never operate the unit without the fuel cap securely in place.





Batteries (Where Present)



Batteries present a risk if they become damaged by the possible leaking of electrolyte. This electrolyte is an acid and can cause serious burn injuries. Care should be taken when working on or near them. NOTE: the electrolyte may be in a liquid or gel form.

Should you come in to contact with electrolyte you should;

- Remove all clothing contaminated with electrolyte. If you cannot remove then saturate them in water.

- Get medical assistance as soon as possible. You must advise the medical staff of the type of acid.

You must advise the medical staff of the type of acid. This machine contains LiFePO₄ batteries with lip6 electrolyte.

- Use fresh running water to wash off excess electrolyte, continue this until medical assistance arrives. Make sure that you do not wash the electrolyte to another part of your body or face.
- If electrolyte comes in to contact with Eyes the electrolyte needs to be immediately washed away with large amounts of water. Make sure that you do not wash the electrolyte to another part of your face or body.
- Gasses from charging batteries are highly flammable and great care should be taken to charge in well ventilated areas.
- There is an explosion risk if the battery terminals are short circuited, when connecting/disconnecting ALWAYS exercise great care so that the terminals or battery leads are NOT allowed to touch and cause a spark. ALWAYS use suitable insulated tools.



Electricity (Where Applicable)



DANGER : ELECTRICITY CAN KILL – NEVER WORK ON LIVE / ENERGISED EQUIPMENT

- Prior to carrying out any maintenance work you MUST identify electrical isolation methods and isolate all electrical supplies.
- Prior to use and with all electrical supplies isolated, you MUST check all electrical cables, plugs and connectors for the following:
 - Are intact and have no signs of damage, to include but not limited to bare wires, chaffing, cuts and loose wiring.
 - If there are any signs of damage, the damaged item MUST be taken out of service until the damage has been repaired by an electrically competent person.
 - All trailing cables should be routed so as not to cause any kind of trip hazard.
 - NEVER work on or near electricity with wet hands, wet clothing and wet gloves.
- Power tools plug must match the outlet. Never modify the plug in any way. DO NOT use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- DO NOT expose this power tool to rain or wet conditions. Water entering a power tool will increase the risk of electric shock. DO NOT abuse the power cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep the cord away from heat, oil and sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock. When operating a power tool, use an extension cord suitable for

outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.

- **IMPORTANT:** Make sure that the electric circuit is fused, and that the power, voltage and frequency of the motor is supported by your mains supply. Also, make sure that your power supply is earthed. Connect your machine to earth. Never open the ON/OFF switchbox. However, if it should become necessary to do so, contact a qualified electrician. Make sure that you will never touch live contacts, specifically when you plug or unplug your machine. This machine and its power cord must never get into contact with water.
- Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded. To prevent electric shock, use only with an extension cord suitable for outdoor use. For additional protection, the installation of a residual current device (RCD) having a rated residual operating current not exceeding 30mA is advisable.
- Before use, check that the extension cord is in good condition. When using an extension cord, make sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating.
- Do not allow any part of the machine to make contact with water while it is in operation. If the appliance becomes wet while turned off, wipe dry before starting. Do not touch the appliance or its plug with wet hands or while standing in water. Wearing rubber boots offers some

protection.

- Before use, check the supply and extension cord for signs of damage or aging. If the cord becomes damaged during use, disconnect the cord from the supply immediately. If the supply cord is damaged, it must be replaced by the manufacturer or a qualified person in order to avoid a hazard.



Vibrations (Where Applicable)

- Prolonged use of hand held (operated) machines will cause the user to feel the effects of/from vibrations. These vibrations can lead to white finger (Raynaud's phenomenon) or carpal tunnel syndrome. This condition reduces the ability of the hand to feel and regulate temperature, causing numbness and heat sensations and may cause nerve damage and circulatory tissue death.
- Not all factors that lead to white finger disease are known, but cold weather, smoking and other diseases that affect blood vessels and blood circulation as well as large and long-lasting impact of shocks are considered factors in the formation of white finger. Note the following to reduce the risk of white finger and carpal tunnel syndrome;
 - Wear gloves and keep your hands warm.
 - Take regular breaks.
 - All of the above precautions may help reduce the risk of white finger disease but not rule out the carpal tunnel syndrome. Long-term and regular users are therefore recommended to observe the condition of your hands and fingers. Seek medical attention immediately if any of the above symptoms should occur.



Residual Risks

Even when tool is used as prescribed it is not possible to eliminate all residual risk factors.

The following hazards may arise in connection with the tool's construction and design:

1. Damage to lungs if an effective dust mask is not worn.
2. Damage to hearing if effective hearing protection is not worn.

Health defects resulting from vibration emission if the power tool is being used over longer period of time or not adequately managed and properly maintained.

WARNING! This machine produces an electromagnetic field during operation. This field may under some circumstances interfere with active or passive medical implants. To reduce the risk of serious or fatal injury, we recommend persons with medical implants to consult their physician and the medical implant manufacturer before operating this machine.

Intended Use

The JCB-IG8500DVE is an Inverter Generator from JCB-Tools, ideally suited for 7200-7600W outputs. It is powered by a 351.8CC

4-Stroke motor. These machines are manufactured according to the latest safety requirements. These include automatically overload

protection and low oil shut off. Every precaution is only effective when it is followed exactly.

Intended Use

This is intended for private use, i.e. for use in well ventilated areas for power generations providing on the go power. This machine is intended for use in environments with a maximum ambient temperature of 40°C.

User Types

This machine is intended for use by consumers, i.e. non professional operators. The machine is intended for "DIY" and domestic use only.

Improper Use

Any other usage not in keeping with the above mentioned ones may be hazardous and harm persons and/or damage things. Examples of improper use may include, but are not limited to: Power outputs over the specified maximum. Parallel use with non-identical generators Use involving large scale voltages

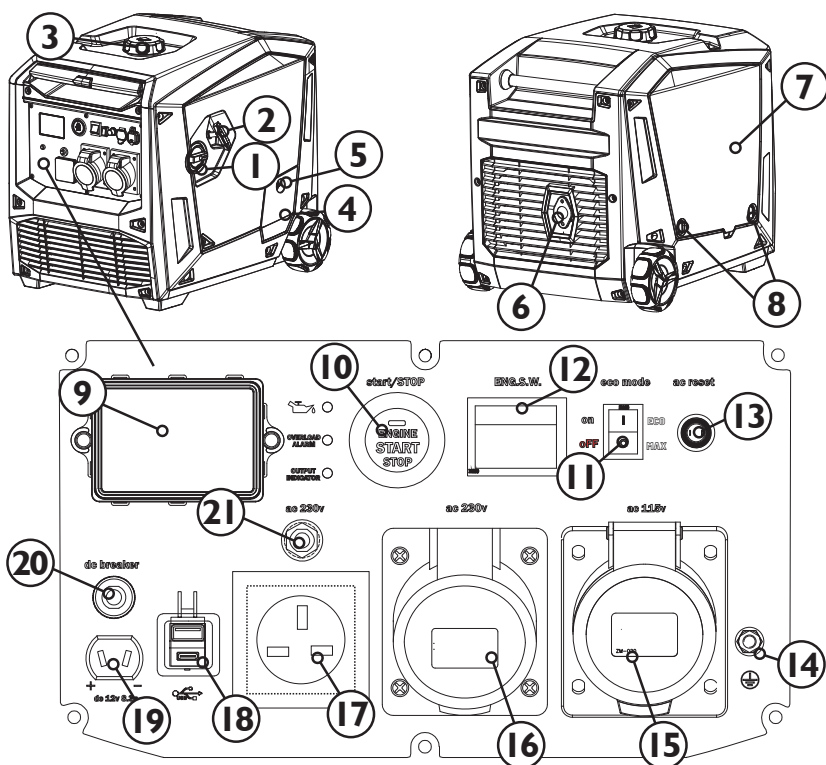
Unboxing

WARNING : Unboxing and assembling the machine should be done on a flat, surface with enough room. Disposal of the packaging should be done in accordance with the local regulations in force.

WARNING : Some of the packaging material may be harmful to children. Keep out of reach of children.

1. Carefully remove the product from the packaging and examine it for any sign of damage caused during shipping.
2. Lay the contents out and check them. If any part is damaged or missing, you must not use the machine. Contact your JCB-Tools distributor immediately.
3. You must keep the packaging material in case the machine needs to be returned or repaired.
4. Ensure that you have all the accessories and tools you need for assembly and operation including the suitable personal protective equipment.

COMPONENT LIST



1. Fuel Control Lever
2. Recoil Starter Handle
3. Fuel Cap
4. Maintenance Panel A
5. Maintenance Panel A Cover Knob
6. Exhaust and Spark Arrestor
7. Maintenance Panel B
8. Maintenance Panel B Cover Knobs
9. Output Indicator Display
10. Start/Stop Button

11. ECO-MODE Switch
12. Engine On/Off Switch
13. AC Reset Button
14. Grounding Terminal
15. 115V AC Output
16. 230V AC Output
17. Plug Socket Output
18. USB Output
19. DC 12V Output
20. DC Breaker
21. AC Breaker

TECHNICAL DATA

Engine Spec	4-Stroke OHV Single cylinder air cooled.
Engine Displacement (cc)	351.8
Engine Speed (RPM)	4200
Ignition System	TCI
Spark Plug	F7RTC
Spark Plug Gap	0.028-0.031 inches / 0.7-0.8mm
Starting System	Recoil + E-Start + Remote
Fuel Type	Unleaded Petrol
Oil Capacity (L)	0.8
Oil Type	SAE 10W30
Frequency	50Hz
Rated Voltage	115V / 230V
Rated Current (A)	31.3
Peak Output (W)	7600
Running Output (W)	7200
DC Output	DC 12V + USB Output
Fuel Tank Volume (L)	16
Continuous running time	4
Dimensions (LxWxH)	640x500x565
Net weight (kg)	56

NOISE INFORMATION

Measured Sound Power Level (LwA)	95.2 dB(A)
K_{pA} & K_{wA}	3 dB (A)
Wear ear protection when sound pressure is over 80 dB(A)	



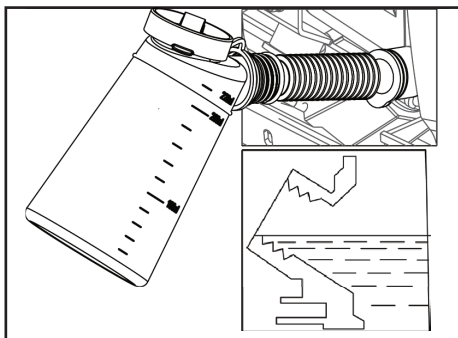
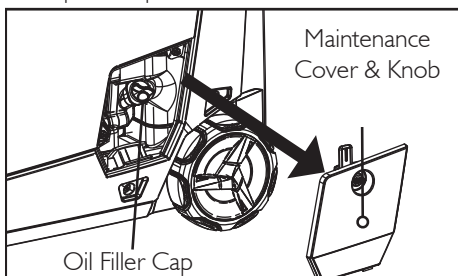
PRE-OPERATION CHECKS

⚠ Oil Level

WARNING! THIS MACHINE WILL ARRIVE WITHOUT ANY OIL. ALWAYS ADD OIL FOR FIRST USE.

ALWAYS ensure the machine is on level ground when filling/checking the oil level. This will give the most accurate measurement.

1. Turn the Maintenance cover knob and remove side Maintenance panel
2. Remove the oil filler cap
3. Using a funnel or spouted container, fill the machine with 0.8 L of oil. We recommend using SAE 10W-30 grade oil for optimum performance.

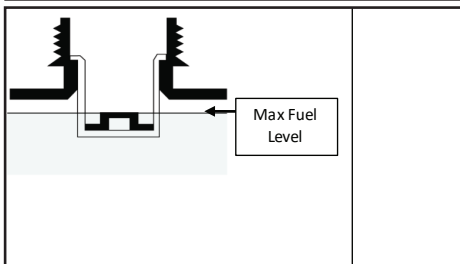
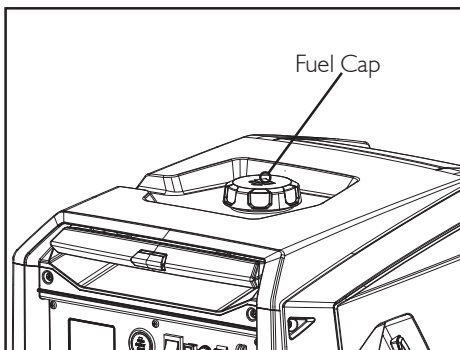


⚠ Fuel Level

WARNING! THIS MACHINE WILL ARRIVE WITHOUT ANY FUEL. ALWAYS ADD FUEL FOR FIRST USE.

ALWAYS ensure the machine is on level ground when fueling or checking the fuel level. This will give the most accurate measurement.

1. Remove the fuel cap.
2. Using a funnel or spouted container, carefully fill with fuel. We recommend using 95 Octane premium fuel.
3. In the top of the fuel tank is the Fuel Level Indicator, fill to level shown below.

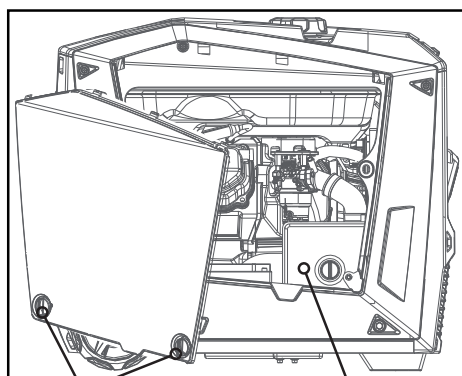


PRE-OPERATION CHECKS

Air Filter

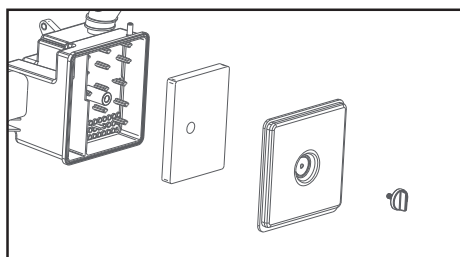
A dirty air filter will restrict air flow to the carburettor, reducing engine and output performance

1. Remove the Maintenance Panel
2. Remove the screw on the Air Filter Cover
3. Remove the Air filter and inspect for cleanliness. If any debris or blockages are present clean or replace.



Maintenance Panel Knobs

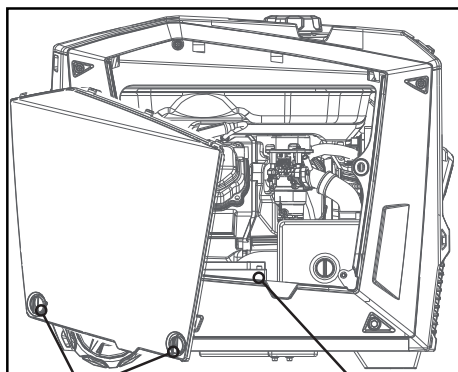
Air filter housing



E-Start Battery Connection

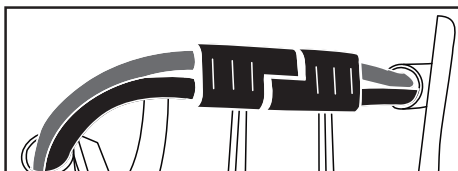
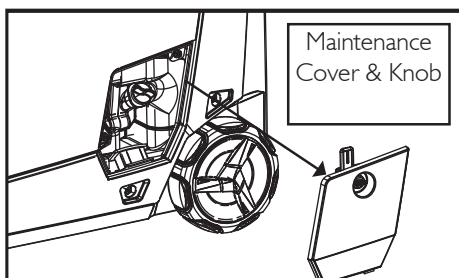
Behind the maintenance panels are the battery and it's connection.

1. Remove the larger panel to expose the battery. Connect the negative (-) terminal to the battery. This is removed during shipping.
2. Remove the smaller panel and find the 2 halves of the electrical connector. Combine them to enable the E-start.



Maintenance Panel Knobs

Battery

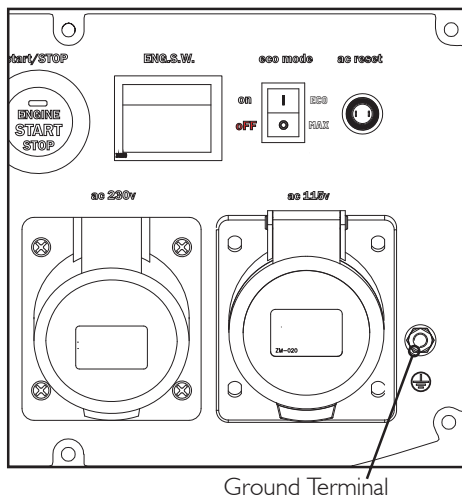


Electrical Unloading

Before operating the machine, always ensure the machine is unloaded. This means, ensure there are no external accessories which are powered by the machine are connected.

Machine Grounding

During any form of operation, grounding the machine is always recommended. This means connecting the machine to a reliable, dedicated ground via a wire from the Ground Terminal on the main panel. Remove the bolt from ground point and secure a suitable cable. Re-secure the bolt when cable is connected.



OPERATING INSTRUCTIONS

Starting



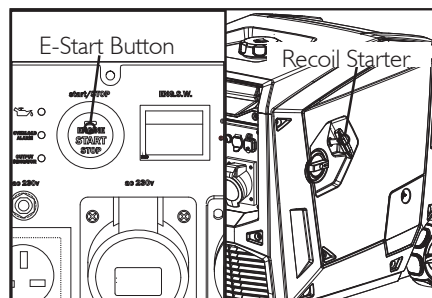
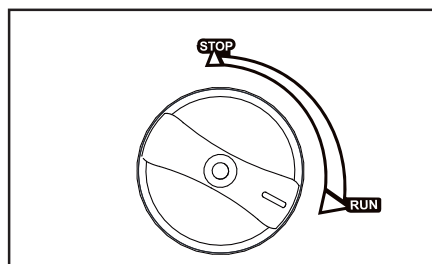
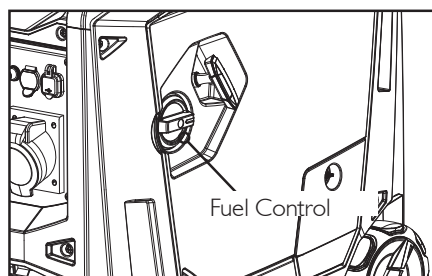
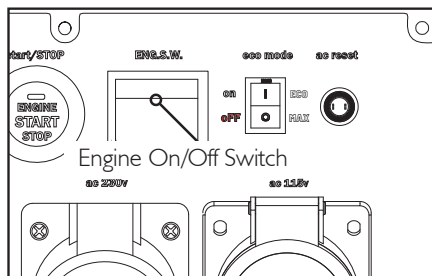
WARNING ! – YOU MUST READ AND UNDERSTAND THE WHOLE USER MANUAL BEFORE OPERATING THIS MACHINE



WARNING ! – Your Generator must not be ran in wet condition i.e. Raining or poolside. Always operate in a dry well ventilated area.

NOTE: The On/Off Starter Remote is already paired with the machine.

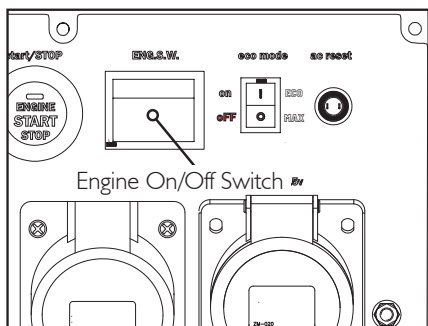
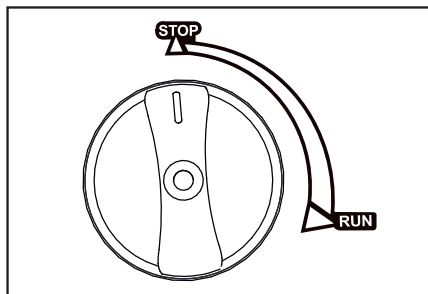
1. Rotate the Choke Control into the "RUN" Position
2. For **Remote Start**, simply press the ON button for 1 second to initiate the starting sequence. During the sequence a green indicator light should flash. The indicator will stay illuminated during operation.
3. For **E-Start**, press the E-start button until the starting sequence has begun, then release the button. If the machine doesn't start try 2 more times. If the machine still fails to start, follow the Recoil start instructions.
4. For **Recoil-Start**, pull the Recoil Starter grip lightly until resistance is felt, then pull it briskly. Do not allow the recoil starter grip to snap back against the engine. Return it gently to prevent damage to the starter.
5. IF restarting your machine, start it with the Choke Control into the RUN position.



OPERATING INSTRUCTIONS

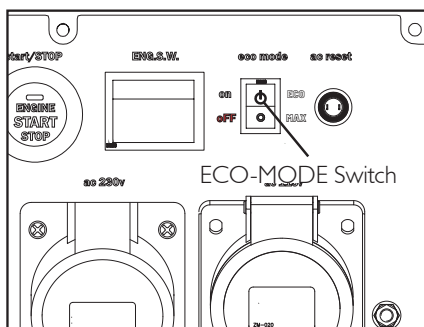
Stopping

To turn off the machine using the Remote Start, hold the Off button on the remote. Alternatively you can press the Stop/Start button the panel to stop the machine. If both these methods fail, turn the Choke Control to the OFF position. When stopping the machine, always ensure the Choke Control is left in the OFF position.



ECO-MODE

When your machine is under a consistent load, you opt to put it into ECO mode. This will make the machine run at the optimal RPM to supply your accessories and save fuel.



OPERATING INSTRUCTIONS

Connecting appliances



WARNING ! – ALWAYS ACCESS YOUR APPLIANCES ARE IN FULL WORKING ORDER BEFORE CONNECTING. FAULTY OR DAMAGED APPLIANCES ARE LIKELY TO CAUSE DAMAGE OR INJURY.

The JCB-IG8500DVE has a rated power of 7200W. This is the maximum amount of power the machine can supply, anything over this will cause the machine to stall, and operate outside of stated specification. This can be dangerous and cause damage to your machine.

Start your machine, when the Output Indicator Light is illuminated you can start to connect your devices 1 at a time.

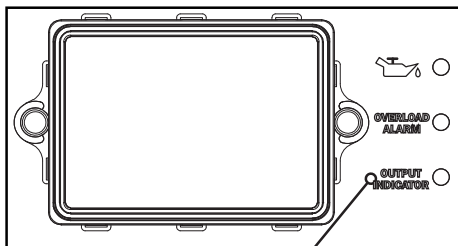
If you wish to use the DC12V compatible socket, connect your socket into the desired plug. Then press the AC breaker. This will allow power to your connected 12V device.

Your appliance should now be supplied with power and safe to use.

To disconnect an appliance, turn off it off and then disconnect.

NOTE* If using a suitable socket extension, ensure you follow the same procedure if any additional appliances are connected. Listen to the tune of the engine, if it changes from the previous running speed, disconnect your appliance. Also if your appliance aren't working

as intended, this could be an indication the generator can't provide your requested power. Suitable extensions should be IEC245 compliant.



Output Indicator (Green)

OPERATING INSTRUCTIONS

General Status Indicators

The JCB-IG8500DVE has Output, Overload and Low Oil Warning indicator lights on the Generator Monitor.

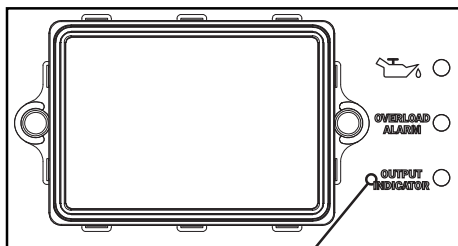
Output Indicator (Green) – The Output indicator will illuminate Green when the machine is ready to be used. It will remain illuminated during operation.

Overload Indicator (Red) – The Overload Indicator will be illuminated Red when the machine detects an overload or short circuited appliance. IF the Overload Indicator is on, power to all outputs will be cut. In the event of this the machine will still run but no longer output any power.

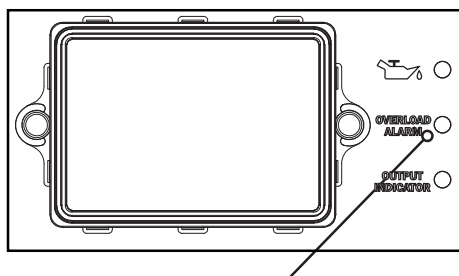
To restore power output, remove all connected appliances. Then hold the Reset button for 1 second. If the Overload Indicator turns off and the Output Indicator turns on, the machine is ready to resume operation.

IF the Overload Indicator stays illuminated turn the machine off and check the generator for any damage. If you have any queries, please contact us.

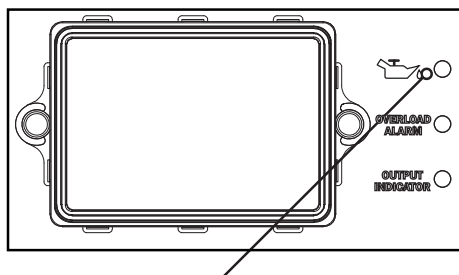
Low Oil Warning Indicator (Red)– The Low Oil Warning indicator will illuminate in the event as insufficient amount of oil is detected. This will illuminate before the oil level reaches a critically low amount. Please fill with the correct spec of oil to turn the light off. If you continue to run the machine with the Low Oil Warning light illuminated, it can and will cut the machine from running. To rectify this fill with the correct spec and amount of oil.



Output Indicator (Green)



Overload Indicator (Red)



Low Oil Warning Indicator (Red)

MAINTENANCE & CARE

Service Schedule

Item	Task	Each Use	First 10 Hours	Every 50 Hours	Every 100 Hours	Every 300 Hours
Generator	General Inspection	•				
Engine Oil	Inspect Oil Level	•				
	Change Oil		★		★★	
Air Filter	Inspect	•				
	Clean			•		
Sediment Cup	Clean			•		
Spark Plug	Inspect & Clean				•	
	Replace				•	
Spark Arrestor	Inspect & Clean					•
Combustion Chamber	Inspect & Clean					•
Fuel Tank and Strainer	Clean					•
Fuel Lines	Clean	Every 2 months (replace if necessary)				
Exposed Metal Components	Clean	After every use and before every start				

★ After engine break-in period (First 10 Hours) the oil must be changed.

★★ Change Engine oil every year or 100 hours, whichever comes first.

NOTE – When using the machine in dusty and dirty areas, the service intervals should be shorten to increase frequency

NOTE – Maintenance should be carried out by qualified technicians or mechanical proficient persons.

MAINTENANCE & CARE

Fuel & Carburettor Maintenance



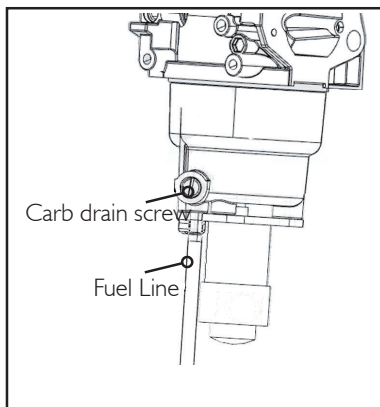
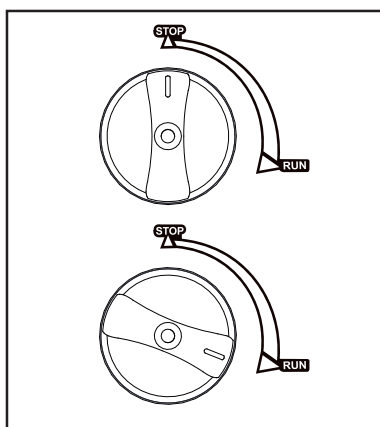
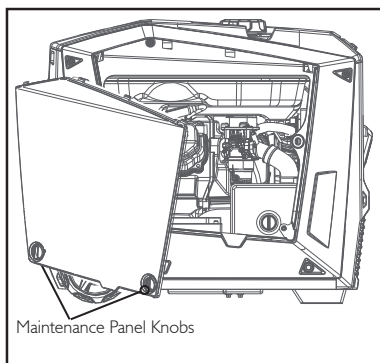
WARNING! When performing and maintenance on the fuel system (tank, lines, carb etc) always ensure you are in a well ventilated area, away from any ignition sources.

1. Remove the Maintenance Panel
2. Ensure the Carb drain screw is closed before draining fuel. The carburettor can be found between the engine and the air filter housing.



Open Closed

3. To Drain the Fuel Tank, put the Choke Control into the Run position when ready to drain.
4. To Drain the Carburettor only, put the Choke Control into the Stop position, and then.
5. For easy draining, remove the fuel line, and put a similar type hose on the fitting. With the open of the drainage house, put it in a suitable container to receive the fuel.
6. Open the Carb drain screw. Fuel should start flowing into the suitable container. When fuel has stopped flowing, close the carb drain screw.



MAINTENANCE & CARE

Oil Maintenance



WARNING – When changing the oil, ensure it's warmed. If changing the oil after more than 10 minutes of operation, allow the machine to cool for a short period of time.



To prevent fuel spillage during oil maintenance, drain the carburetor of any residual fuel. This will decrease the risk of fuel spill.

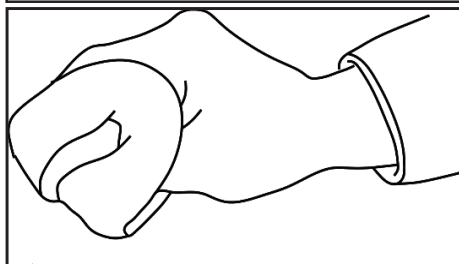
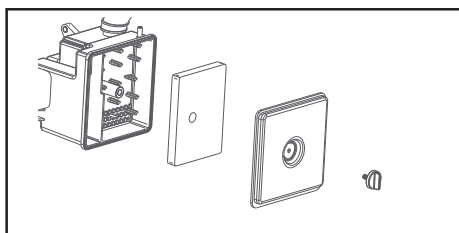
1. To change the oil, firstly remove the Maintenance Panel.
2. Open the Oil Filler Cap and tilt the machine. It's a good idea to use some absorbent paper or an oil rag when doing this, to ensure no oil drips into the machine inner casing. Tilt the machine until oil no longer comes out.
3. Follow the instructions on Page 15 on how to replenish the drained oil.

Air Filter Maintenance



WARNING – NEVER use petrol or Low Ignition point solvents for cleaning. Being highly flammable they can cause fire or explosions when the machine is turned on.

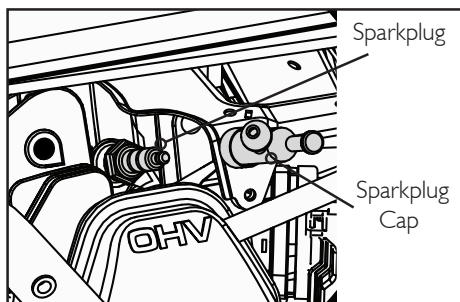
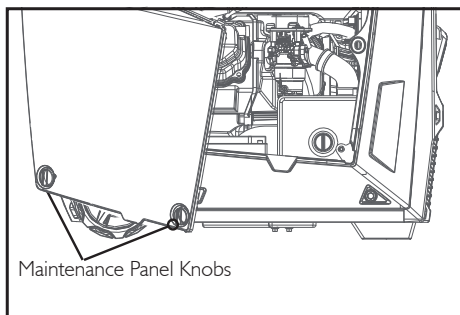
1. To clean the Air filter, firstly remove the Maintenance Panel.
2. Remove the Air Filter cover. The Air Filter Element can now be accessed.
3. Clean the Air Filter Element with a suitable cleaning agent and allow to dry.
4. Soak the Air filter element in clean engine oil. Then squeeze out any excess oil, the filter shouldn't be dripping with residual oil.
5. Re-install the Air Filter element, Air filter cover and maintenance panel



MAINTENANCE & CARE

Sparkplug Maintenance

1. Remove the Maintenance panel. You will now have access to the sparkplug cap.
2. Remove the sparkplug cap, and remove with a suitable spark plug socket/wrench.
3. Inspect your sparkplug, if it's dirty you can simply use a wire brush and a suitable cleaning solution to remove any carbon deposits.
4. Using a feeler gauge, you can also check the Sparkplug gap. The gap must be set at 0.7mm-0.8mm.
5. If your sparkplug insulation is cracked or chipped it needs replacing, replace it with a F7RTC specification replacement.
6. When replacing the sparkplug, ensure to be careful when reinstalling not to cross thread.

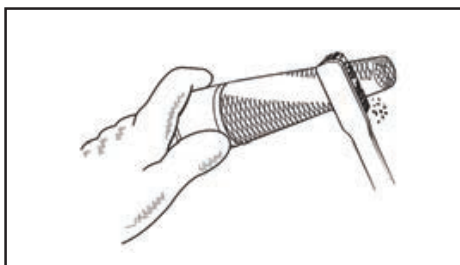


Spark Arrestor Maintenance



WARNING – Allow the machine to fully cool down before carrying out this maintenance step.

The spark arrest is at the exhaust of the machine. Remove the 2 screws to remove the Spark Arrestor. Using a soft bristle brush, clean the spark arrestor, a cleaning fluid can be used to help aid the cleaning process.



MAINTENANCE & CARE

Remote Pairing

1. To pair the Remote Starter Key, hold down the E-start button for 10 seconds. The machine is ready to pair when the Indicator light is illuminated red.
2. Then with the Remote Starter, hold down the ON button. When paired successfully the Indicator light will flash green twice. Up to 10 Remote Starter Keys can be paired to 1 machine.
3. To complete and exit the pairing sequence, press and hold the E-start button for 10 seconds. The Indicator light which is illuminated red should turn off.

Pairing Reset

1. Put the machine into the machine into Pairing Mode. Hold down the E-start button for 10 seconds until the indicator light is illuminated red.
2. Press the OFF button on a any Remote Starter Key, this will start the Pairing Reset Mode, the Indicator light will be flashing red.
3. Press the E-start Button within 10 seconds from the machine being put into Pairing Reset Mode. If the indicator light stops flashing red, all paired Remote Starter Keys will now be forgotten and unpaired.
4. If there's no response with the 10 second window, all keys will remain paired and the machine will exit Pairing Mode.

Transport & Storage

WARNING – Never store the machine long term or transport the machine in a vehicle when it's full of fuel and oil.

WARNING – When storing the machine long term, it should be in a well ventilated area away from direct sunlight. High temperatures can cause fuel to vaporise which is hazardous to health.

For Long Term Storage, always clean your machine before putting away.

- Remove any Fuel and Engine Oil before storing.
- Using instructions from page 24, remove sparkplug and through the sparkplug location fill with 10ml-20ml of clean engine oil. Ensuring the sparkplug cap is off, pull the recoil until you feel a slight resistance. This means both the intake and exhaust valves are closed which is ideal conditions for long term storage.

TROUBLESHOOTING

Fault	Cause	Action
The machine doesn't start	No fuel	Fill the oil tank with gasoline
	Choke control is not set to Choke	Turn the fuel valve to Choke
	The Fuel valve is blocked	Clean carb
	No engine oil or the engine oil level is low	Add oil
	The engine switch is turned off	Turn the switch to the "on" position
	The spark plug fails	Clean or replace the spark plug (refer to page 24)
There is no power output	The circuit breaker is in the off position (DC12V only)	Turn the circuit breaker to the "on" position
	The plug is poorly contacted	Remove and refit the plug.
The unit shudders during operation	The choke lever position is incorrect	Move the choke lever to the "Run" position during operation
The unit emits white smoke	The temperature of the engine is too high, maybe overloaded	Let the engine run without load for more than 10 minutes
	The fuel is contaminated	Use fresh clean fuel
The unit emits black smoke	The air filter is dirty	Clean the filter element of the air filter
	The load is too heavy	Reduce load to the rated limit
The unit emits blue smoke	The engine oil is overfilled	Drain oil to correct level
	The engine oil type is incorrect	Choose appropriate engine oil model
The Power Decreases over time	The spark plug fails	Clean or Replace Spark Plug
	The valve clearance are out of adjustment	Adjust the Valve Clearances



WARRANTY STATEMENT

Proof of purchase will be required before you make a warranty claim. Full warranty terms and conditions are available from your local distributor, they can be found on the JCB Tools website:

www.jcb-tools.com

**FOR ANY MACHINE SOLD OUTSIDE THE UK, PLEASE CONTACT THE
VENDOR FROM WHOM YOU PURCHASED THE MACHINE, AND/OR YOUR
LOCAL JCB TOOLS DISTRIBUTOR**

RETURNING YOUR PRODUCT

If you are returning your product, please contact the dealer for their returns policy.



EU DECLARATION OF CONFORMITY			UK DECLARATION OF CONFORMITY
1.	PRODUCT(S) COVERED BY THIS DECLARATION:	Product: UK Product Code No. EU Product Code No. Factory Reference No.	7600W E-start Inverter Generator JCB-IG8500DVE JCB-IG8500E-EU GH8500SE
2.	IDENTIFICATION DETAILS OF MANUFACTURER:	Name: Address: Country:	Genpower Ltd. Isaac Way Pembroke Dock, SA72 4RW UK
	AUTHORISED REPRESENTATIVE:	Name: Address: Country:	Genpower Ltd. 131 Boulevard Pereire 75017 Paris France
3.	THIS DECLARATION OF CONFORMITY IS ISSUED UNDER THE SOLE RESPONSIBILITY OF THE MANUFACTURER		
4.	OBJECT OF THE DECLARATION:	Product: Function:	7600W E-Start Inverter Generator Power Supply
5i.	THE OBJECT OF THE DECLARATION DESCRIBED IN POINT 4 IS IN CONFORMITY WITH THE RELEVANT UNION HARMONISATION LEGISLATION:	2006/42/EC 2014/30/EU 2016/1628/EC 2000/14/EC 2011/65/EU	The Machinery Directive The Electromagnetic Compatibility Directive The Emission of Gaseous and Particulate Pollutants from Internal Combustion Engines Noise Emissions in the Environment by Equipment for use Outdoors The Restriction of Hazardous Substances Directive
5ii.	THE OBJECT OF THE DECLARATION DESCRIBED IN POINT 4 IS IN CONFORMITY WITH THE RELEVANT UK STATUTORY INSTRUMENTS:	2008 No. 1597 2016 No. 1091 2001 No. 1701 2012 No. 3032	The Supply of Machinery (Safety) Regulations 2008 The Electromagnetic Compatibility Regulations 2016 Noise Emissions 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
6.	REFERENCES TO THE RELEVANT HARMONISED SAFETY STANDARDS USED OR REFERENCES TO THE OTHER TECHNICAL SPECIFICATIONS IN RELATION TO WHICH CONFORMITY IS DECLARED:	EN ISO 8528-13:2016 EN 55012:2007+A1:2009 EN IEC 61000-6-1:2019	Reciprocating internal combustion engine driven alternating current generating sets - Part 13: Safety Vehicles, boats and internal combustion engines. Radio disturbance characteristics. Limits and methods for measurement for the protection of off-board receivers Electromagnetic compatibility. Generic standards. Immunity standard for residential, commercial and light-industrial environments
7.	ADDITIONAL INFORMATION. THE TECHNICAL DOCUMENTATION FOR THE MACHINERY IS AVAILABLE FROM:	Name: Address: Country:	Genpower Ltd. 131 Boulevard Pereire 75017 Paris France
SIGNED FOR AND ON BEHALF OF:		Genpower Limited WALES, UK 02/02/2026 ROLAND J. LLEWELIN MANAGING DIRECTOR 	
PLACE OF ISSUE:			
DATE OF ISSUE:			
NAME:			
FUNCTION:			
SIGNATURE:			

