Clarke®

POWER

6.5KVA PETROL GENERATOR

MODEL NO: PG7500ADVES

PART NO: 8857857

OPERATION & MAINTENANCE INSTRUCTIONS

UK CA | CE

DL1225

INTRODUCTION

Thank you for purchasing this CLARKE 6.5KVA Petrol Generator.

Before attempting to use this product, please read this manual thoroughly and follow the instructions carefully. In doing so you will ensure the safety of yourself and that of others around you, and you can look forward to your purchase giving you long and satisfactory service.

GUARANTEE

This product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt which will be required as proof of purchase.

This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for the purpose for which it was intended.

Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission.

This guarantee does not effect your statutory rights.

ENVIRONMENTAL RECYCLING POLICY

Through purchase of this product, the customer is taking on the obligation to deal with the WEEE in accordance with the WEEE regulations in relation to the treatment, recycling & recovery and environmentally sound disposal of the WEEE.

In effect, this means that this product must not be disposed of with general household waste. It must be disposed of according to the laws governing Waste Electrical and Electronic Equipment (WEEE) at a recognised disposal facility.

GENERAL SAFETY RULES

WARNING: EXHAUST FUMES CAN BE EXTREMELY DANGEROUS IF INHALED

WORK AREA

- **ALWAYS** use in a well ventilated area.
- **ALWAYS** position the exhaust outlet away from people.
- **NEVER** use indoors or in a confined space.
- **ALWAYS** read these safety instructions before using the equipment.
- **ALWAYS** keep children away from the generator.

POSITIONING THE GENERATOR

1. **ALWAYS** leave a least a 1m gap between the generator and any surrounding building or structures.
2. **ALWAYS** ensure the generator is on a solid, flat surface.
3. **ALWAYS** ensure the surrounding area is free from any material that could burn or be damaged by heat.
4. **NEVER** move or tilt the generator whilst it is switched on.

FIRE PREVENTION

1. **ALWAYS** switch the engine OFF when refuelling.
2. **ALWAYS** refuel away from any source of heat.
3. **ALWAYS** refuel in a well ventilated area.
4. Only use standard unleaded petrol. **DO NOT** mix oil in with the petrol.
5. **NEVER** overfill the fuel tank, fill to the level specified, see page 12.
6. **NEVER** smoke whilst refuelling and avoid smoking or using a naked flame near the generator.
7. **NEVER** start the engine if there is spilled fuel. Any spillage must be wiped clean and the generator allowed to dry before attempting to start the engine.

PREVENTION OF ELECTRIC SHOCK

1. **NEVER** use the generator in wet conditions unless it is well protected/covered. Under these conditions, adequate ventilation MUST be provided.

2. **NEVER** operate the generator with wet hands.
3. **NEVER** use water or any other liquids to clean the generator.

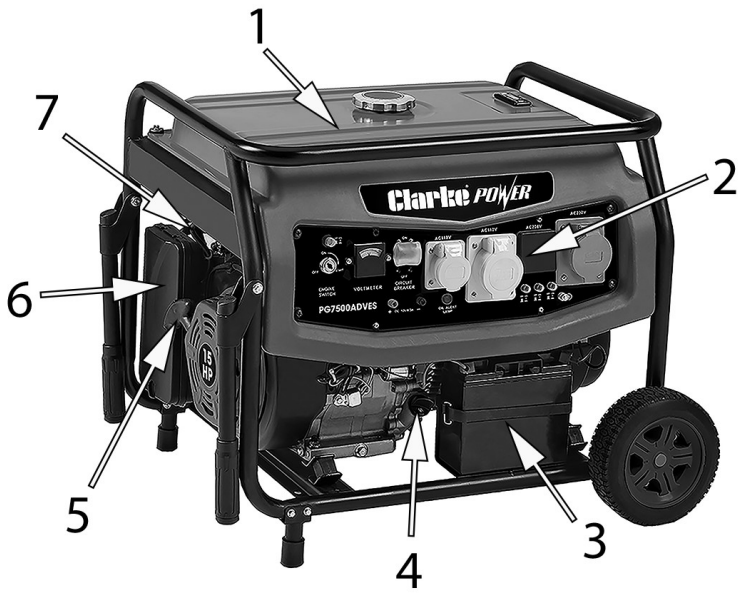
ADDITIONAL SAFETY RULES FOR GENERATORS

1. **ALWAYS** ensure the applied load does not exceed the generator rating. Overloading the generator is dangerous and could cause serious damage.
2. **ALWAYS** disconnect and turn off the generator when carrying out any maintenance.
3. **ALWAYS** ensure the generator reaches operating speed before connecting a load.
4. **NEVER** allow the generator to run out of fuel when a load is connected.
5. **NEVER** transport the generator with fuel in the tank.
6. **DO NOT** connect to a commercial or residential power supply; e.g. ring main.
7. **NEVER** allow the generator air vents to become blocked.

SYMBOLS

	**Read instruction manual before use**		**Hot Surface - DO NOT touch**
	**Dangerous voltage - risk of electrocution**		**Poisonous fumes - DO NOT use the generator in an enclosed space.**
	**Flammable**		**Caution - The user should be aware of a general hazard**
	**Caution - High noise level when in use**		

GENERATOR OVERVIEW



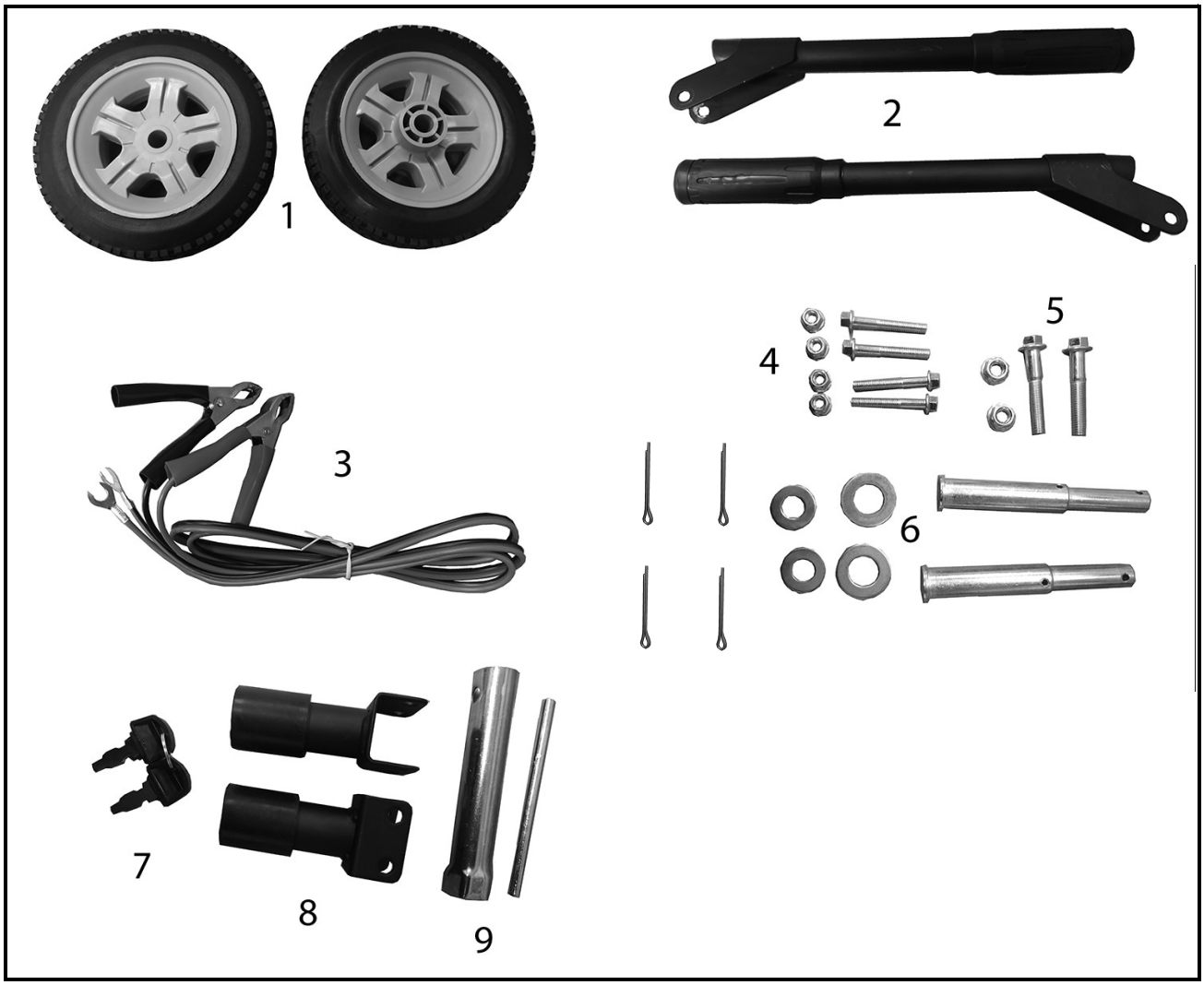
NO	DESCRIPTION	NO	DESCRIPTION
1	Fuel Tank	7	Fuel Valve
2	Control Panel	8	Fuel Gauge
3	Battery	9	Choke Lever
4	Oil Filler Cap	10	Spark Plug
5	Starter Handle	11	Muffler (Exhaust)
6	Air Filter		

CONTROL PANEL OVERVIEW

NO	DESCRIPTION	NO	DESCRIPTION
1	Engine Key Start	8	Oil Level Alert Light
2	DC 12V 8.3A Circuit Breaker	9	AC 230V 13A Socket
3	Voltmeter	10	AC 230V 32A Socket
4	AC Main Circuit Breaker	11	AC 110V 16A Circuit Breaker
5	DC 12V 8.3A Jumper Terminals	12	AC 110V 32A Circuit Breaker
6	AC 110V 16A Socket	13	AC 230V 13A Circuit Breaker
7	AC 110V 32A Socket	14	Earth Point

UNPACKING AND ASSEMBLY

Unpack your generator and check to ensure the following items are present. Should there be any deficiency or damage caused during transit contact your CLARKE dealer immediately.



NO	DESCRIPTION	NO	DESCRIPTION
1	2 x Wheels	6	2 x Axle, Washers & Split Pins
2	2 x Handles	7	2 x Ignition Keys
3	1 x Crocodile Clip Jump Cable Set	8	2 x Foot Assemblies
4	4 x Foot Assembly Nut and Bolts	9	1 x Spark Plug Box Spanner & Bar
5	2 x Handle Nut and Bolts		

BEFORE USING THE GENERATOR

Before using your generator check that:

- The generator is in good condition and free from any damage.
- The generator is clean and free from fuel or oil spillage.
- The generator is correctly located for use, see page 3.
- The generator is correctly earthed, see page 10.
- The fuel system is intact and there is no leakage.

NOTE: ALWAYS use a funnel to fill the fuel tank to avoid accidental spillage of fuel. If fuel is spilled it must be cleaned up before use.

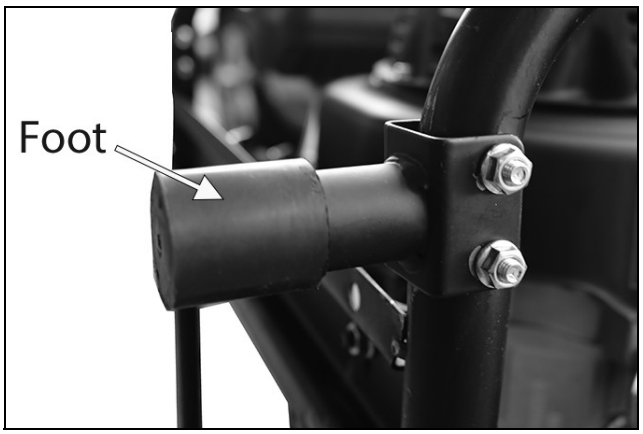
WARNING: ENSURE THERE IS ADEQUATE FUEL IN THE TANK WHEN USING THE GENERATOR. RUNNING OUT OF FUEL OR STOPPING THE ENGINE SUDDENLY WITH A LOAD CONNECTED COULD CAUSE SERIOUS DAMAGE.

WARNING: ALWAYS CHECK THE OIL LEVEL BEFORE STARTING SEE PAGE 11, FAILURE TO MAINTAIN THE CORRECT OIL LEVEL MAY SERIOUSLY DAMAGE THE ENGINE.

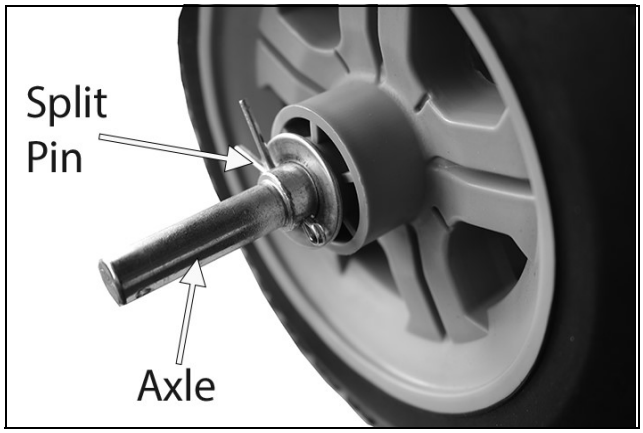
FITTING THE FEET & WHEELS

Due to the weight of the generator it is recommended that 2 people undertake the assembly.

1. Lay a protective cover on the ground and place the generator on to it.
2. Place the generator on its front end and attach a foot to the frame using the 2 x M8 x 50 bolts and 2 x M8 locking nuts, as shown.
3. Repeat this for the second foot.



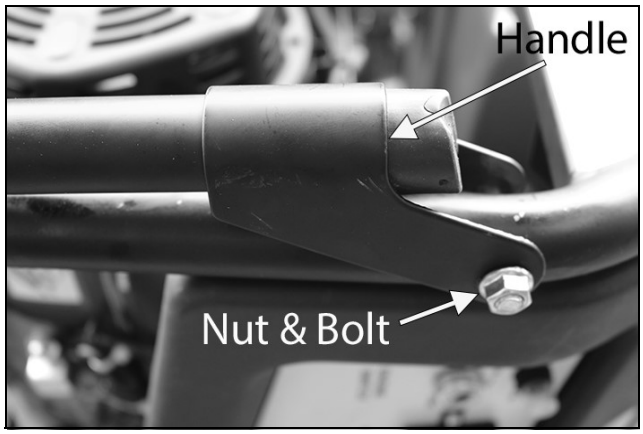
4. Slide a wheel on to an axle and then one of the large washers and insert a split pin and fan out to lock in place.



5. Slide this assembly into the wheel support on the frame.
6. Place the smaller washer onto the axle and insert the split pin.
7. Fan out the split pin to lock the wheel assembly in place.
8. Repeat steps 4 - 7 for the second wheel.
9. Place the generator onto its wheels and feet.

FITTING THE HANDLES

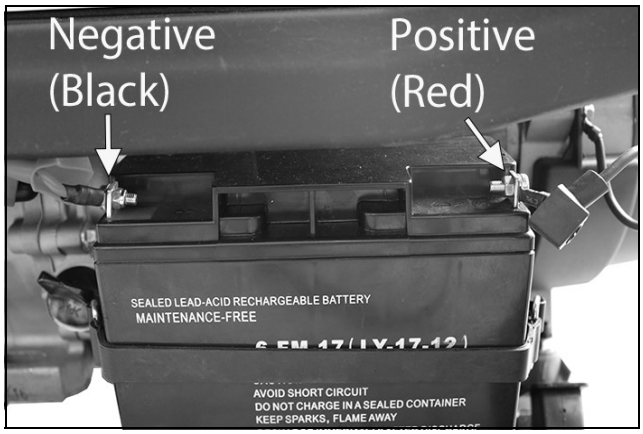
1. Place the handle into position as shown.
2. Secure the handle using the large bolt and locking nut supplied.
3. Repeat steps 1 - 2 for the second handle.



CONNECTING THE BATTERY

For safety reasons, the generator battery is not connected when shipped. Follow these steps to connect the battery.

1. Connect the negative wire to the negative terminal on the battery as shown.
2. Connect the positive wire to the positive terminal on the battery as shown.
3. Ensure both terminals are covered by the plastic covers.



EARTH POINT

WARNING: FAILURE TO PROPERLY GROUND THE GENERATOR BEFORE USE CAN RESULT IN ELECTROCUTION

Attach a suitable earth lead to a good earthing point - water pipe, ground spike etc., whenever you use this generator.

1. Ground the generator by connecting a suitable grounding wire to the earth point, as shown, which is located on the control panel.
2. Connect the other end of the grounding wire to a copper or brass grounding rod or suitable grounding point that is driven into the earth.

CHECKING THE ENGINE OIL LEVEL

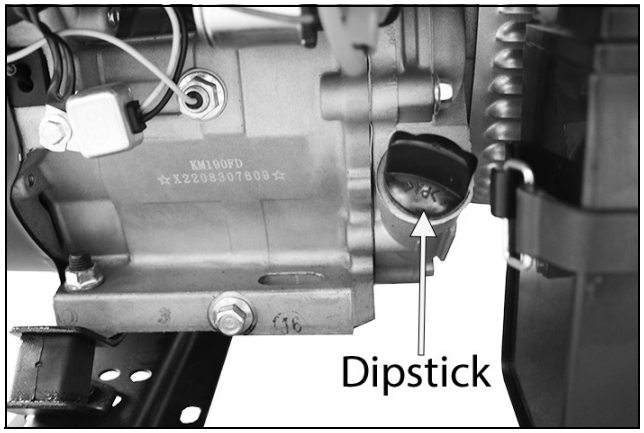
WARNING: TO CARRY OUT THIS CHECK, PLACE THE GENERATOR ON LEVEL GROUND WITH THE ENGINE SWITCHED OFF.

WARNING: TAKE CARE NOT TO TOUCH ANY HOT PARTS OF THE GENERATOR WHEN CHECKING THE OIL LEVEL.

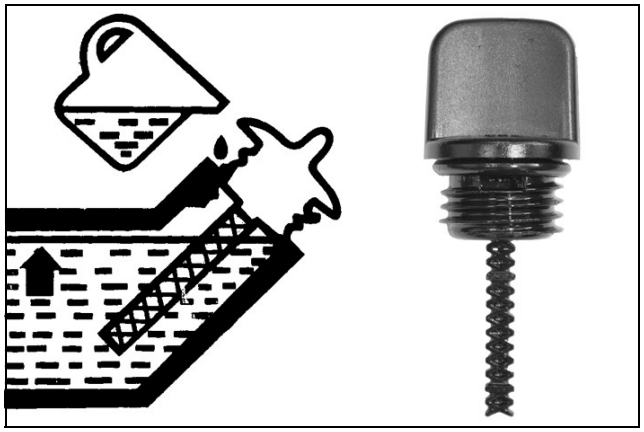
CAUTION: FOR SAFETY SEASONS, THE GENERATOR IS SHIPPED WITHOUT OIL IN THE ENGINE. DO NOT ATTEMPT TO START THE ENGINE BEFORE FOLLOWING THE BELOW STEPS TO CHECK AND INSTALL ENGINE OIL.

On the control panel is the Oil Level Alert light. If this light illuminates, then follow the below instructions.

1. Turn the dipstick anti-clockwise and remove from the oil fill tube.
2. Wipe the dipstick with a clean cloth.
3. Insert the dipstick back into the oil fill tube and then remove it again. **DO NOT** screw in the oil filler cap/ dipstick when doing this.



4. If the oil level is at or below the 'L' mark on the dipstick, using a funnel, add oil to the crankcase.
   - Fill until the oil reaches the threads in the oil fill tube.
   - Oil capacity (See page 21).
   - We recommend the use of the following oil: CLARKE SAE30 Motor Oil; Part No: 3050852
5. Replace the oil filler cap.



CHECKING THE FUEL LEVEL

WARNING: ALWAYS REFUEL IN A WELL VENTILATED AREA AWAY FROM ANY HEAT SOURCES.

WARNING: ALLOW THE UNIT TO COOL DOWN BEFORE REFUELLING.

WARNING: DO NOT LEAVE FUEL WITHIN THE REACH OF CHILDREN.

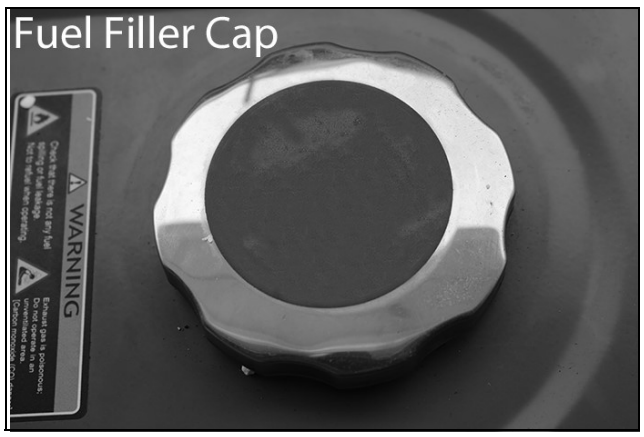
For safety seasons, the generator is shipped without petrol in the tank. Follow these steps to check and install petrol.

RECOMMENDED FUEL

Only use standard unleaded petrol. DO NOT mix oil with the petrol.

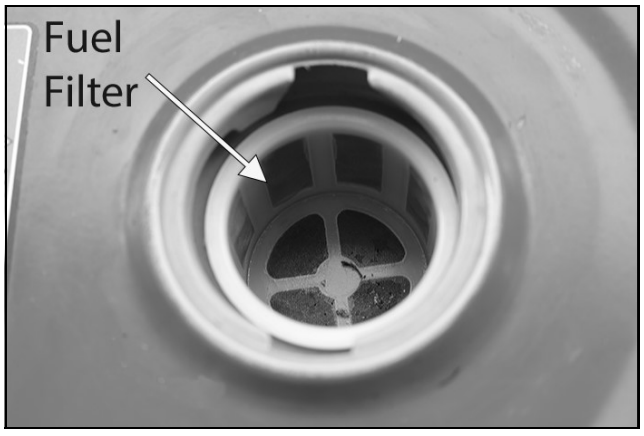
1. Check the fuel level on the fuel gauge. The fuel gauge will show as red when you have fuel in the tank turning white as the fuel level decreases.

2. To add fuel, open the fuel filler cap.



3. Just inside the fuel tank is a fuel filter which catches any contaminants as you refuel.
4. Slowly add fuel to the fuel tank (maximum safe fill level: 25L) watching the fuel level gauge as you do so.

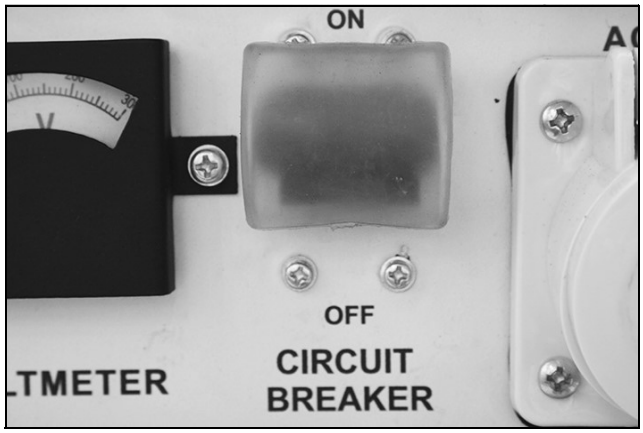
   NOTE: DO NOT overfill the fuel tank.
5. Replace the fuel filler cap securely.



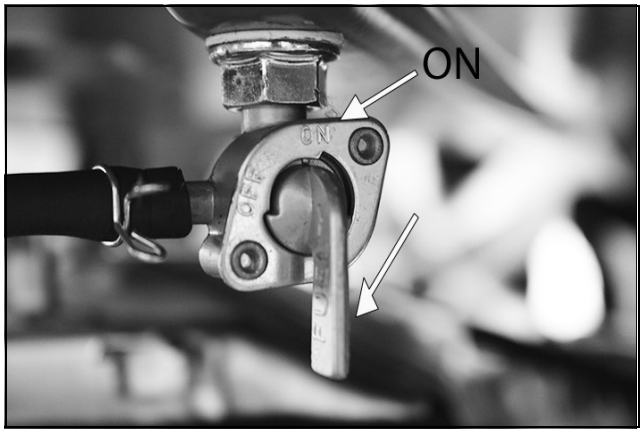
USING YOUR GENERATOR

STARTING THE ENGINE

1. Remove all connections from the AC sockets.
2. Switch the AC Circuit Breaker to the 'OFF' position.

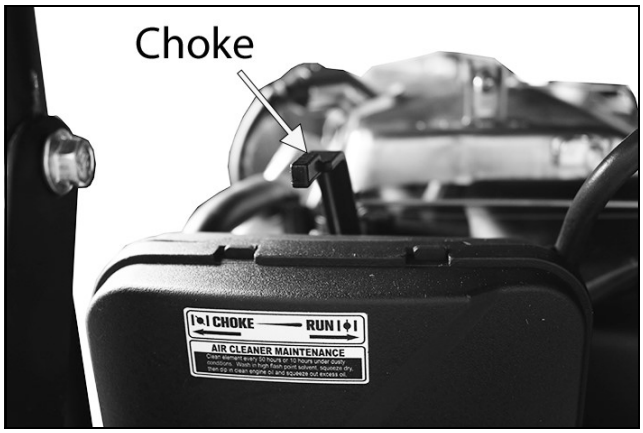


3. Set the fuel valve to the 'ON' position as shown.



4. Move the choke lever left to the 'CHOKE' position.

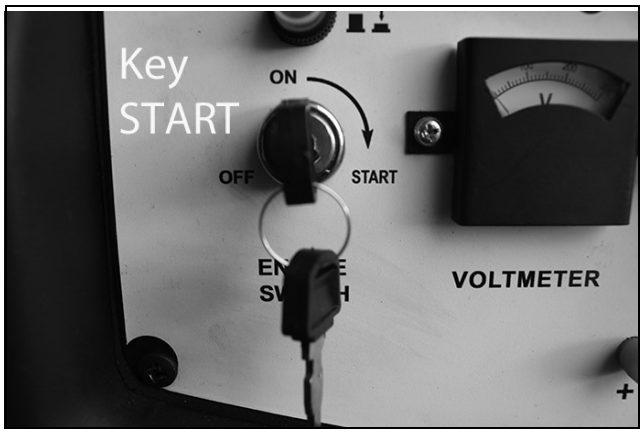
   NOTE: Move the choke lever right to the 'RUN' position if starting the engine in hot condition.



5. Insert the key into the ignition.
6. Turn the key in the 'START' position.

   NOTE: Once the engine starts the key will turn back to the 'ON' position.

7. Once the engine has warmed up, move the choke lever right to the 'RUN' position.



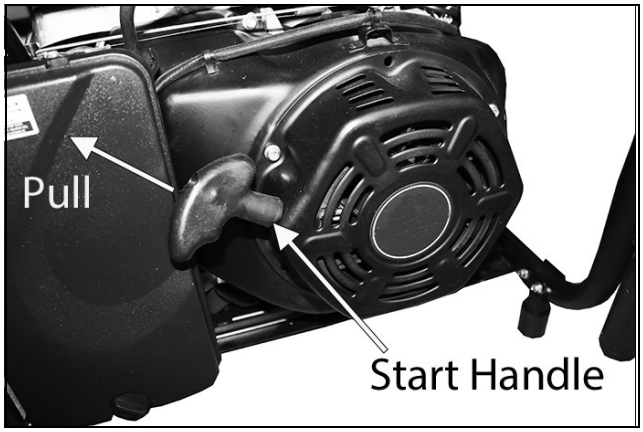
ALTERNATIVELY

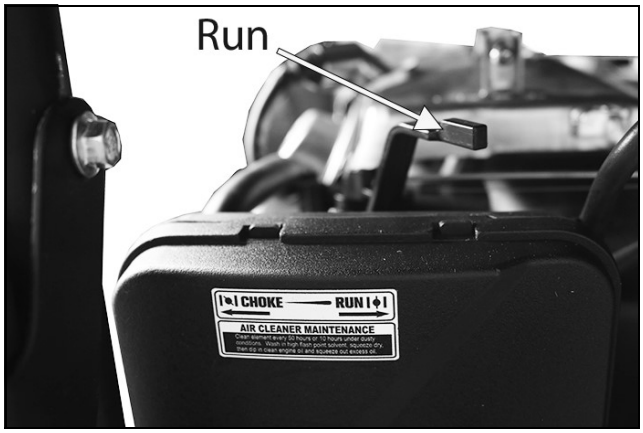
8. Turn the key to the 'ON' position.
9. Pull the start handle gently until you feel some resistance.
10. Then pull the start handle sharply upwards.

    NOTE: You may have to do this more than once.

    NOTE: NEVER let the handle snap back, as this may cause damage to the generator and injury.

11. Once the engine has warmed up, move the choke lever right to the 'RUN' position.





CONNECTING ELECTRICAL DEVICES

The generator can supply both 230V AC and 110V AC.

The sockets are laid out in the following order: (from left to right):

1. 1 x 16amp 110v (Small Yellow)
2. 1 x 32amp 110v (Large Yellow)
3. 1 x 13amp 230V (Small Black)
4. 1 x 32amp 230V (Large Blue)

Follow the steps below to properly connect your device(s) to the generator.

1. Before connecting electrical devices, allow the generator to run for a few minutes to stabilise 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 stabilise.
3. Repeat step 2 to plug in each additional device. **DO NOT** attempt to plug in and start multiple devices at the same time.

GENERATOR CAPACITY

Make sure the generator can supply enough running (rated) and starting (max.) watts for the items you will power at the same time. Follow these simple steps.

1. Select the items you will power at the same time.
2. Total the running (rated) watts of these items. This is the amount of power the generator must produce to keep the items running.
3. Estimate how many starting (max.) watts you will need. Starting wattage is the short burst of power needed to start electric motor driven tools 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 items with the highest additional starting (max.) to the total rated watts.

Example Only:

Tool/Appliance	Running Watts	Additional Starting Watts
Refrigerator	700	1350
Portable Fan	40	120
Laptop	250	250
46 in. Flat Screen TV	190	190
	1180 Total Running Watts	1275 Highest Starting Watts

Total Running Watts: 1180
Highest Starting Watts: +1275
Total Starting Watts Needed = **2455**

NEVER add more loads than the generator capacity. Take special care to consider surge loads in generator capacity as previously described.

The chart below serves as a reference only for the estimated wattage requirements of common electrical devices. however, **DO NOT** solely reply on this chart, all electronics and appliances are built differently, **ALWAYS** check the wattage listed on the electrical device before consulting this chart:

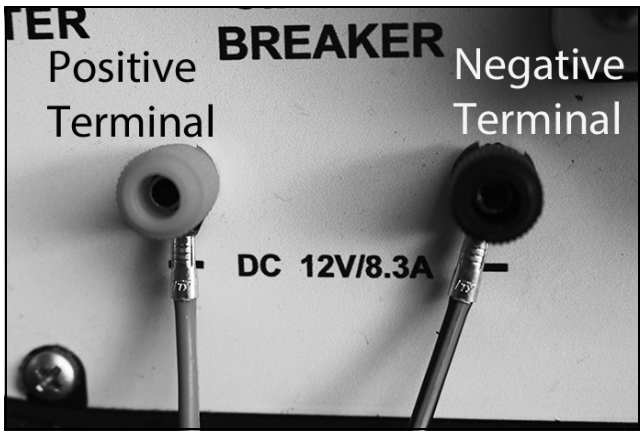
Tool/Appliance	Rated (Running) Watts	Surge (Starting) Watts
Hot Plate	2500	0
Saw - Circular	1500	1500
Saw - Mitre	1200	1200
Microwave	1000	0
Well Water Pump	1000	1000
Sump Pump	800	1200
Refrigerator	800	1200
Computer	800	0
Television	500	0
Box Fan	300	600
Light Bulb	75	0

JUMPSTARTING A VEHICLE

ALWAYS carry out the following preliminary checks before connecting the generator to the vehicle battery:

- Switch off the vehicle ignition and ALL ancillary equipment (lighting, radio etc.)
- Ensure the vehicle battery is rated at 12V and not damaged in any way.
- Ensure the area is well ventilated.
- Make sure that the battery terminals are clean and the clamps are firm and secure.
- If fitted, remove any vehicle battery filler plugs and check the electrolyte level. If necessary, top up with distilled water.
- Make sure that the generator is OFF.

1. Loosen the positive (red) terminal of the DC 12V/8.3A connections.
2. Take the positive (red, +) 'C' clip of the jump cable and slide it into the terminal and tighten the terminal.
3. Loosen the negative (black, -) terminal of the DC 12V/8.3A connections.
4. Take the negative (black) 'C' clip of the jump cable and slide it into the terminal and tighten the terminal.



5. Connect the positive (red, +) clamp to the positive (red, +) battery terminal first. Take care the clamp does not touch any moving parts or fuel lines.
6. Connect the black clamp to the earthed battery terminal, (this is usually the negative (-ve) terminal and coloured BLACK) or to a suitable earthing point on the vehicle chassis ensuring the connections are firm and secure.

STARTING THE ENGINE

1. Start the generator, see page 13.
2. Switch or press the vehicle ignition to 'start'. If the engine does not start, switch OFF the ignition and wait for at least 30 seconds before trying again.
3. If the vehicle does not start after 3 attempts, investigate any problems with the vehicle electrical systems.
4. Once the engine is running, switch off the generator, see page 19, disconnect the earthed (negative, -) clamp FIRST i.e. that connected to the chassis or negative (-ve) terminal etc, then disconnect the Positive (+) clamp from the battery terminal.

You should remove the connections within 30 seconds of starting the vehicle.

5. Leave the vehicle engine running for a while to let the alternator recharge the battery.

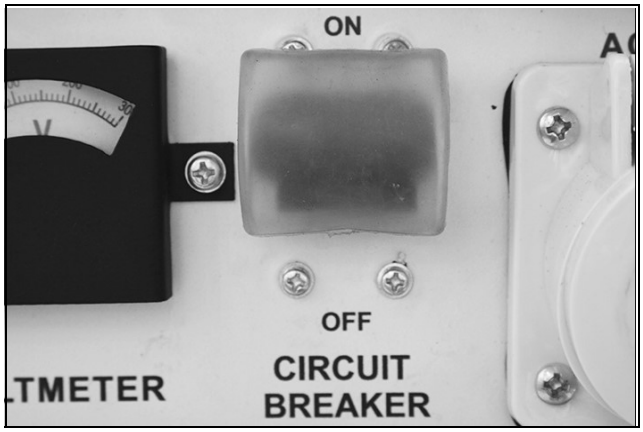
NOTE: Take great care not to touch the red positive (+) clamp against the black negative (-) clamp.

6. Disconnect the 'C' clips from the generator.

MAIN AC BREAKER

The Main AC Breaker will activate (switch to the 'OFF' position) if the generator or circuit is overloaded. If the Main AC Breaker activates or any of the smaller individual circuit breakers,

1. Remove any connected devices from the generator.
2. Wait for a few minutes.
3. Reset the breaker to the 'ON' position.
4. Restart the generator.
5. Reconnect the devices to the generator, making sure you do not exceed the maximum capacity of the generator.



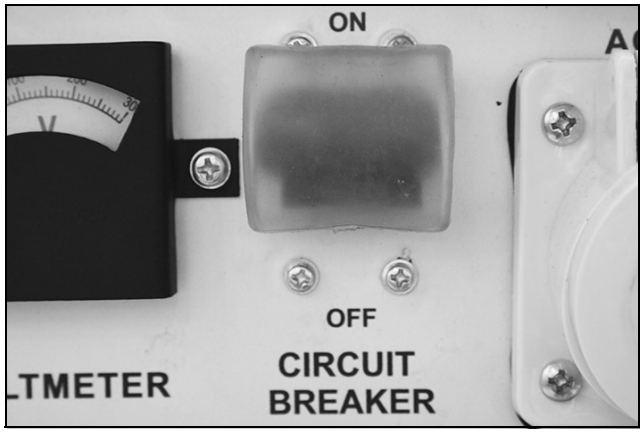
CAUTION: MAKE SURE THAT THE APPLIANCE BEING CONNECTED IS IN GOOD WORKING ORDER, IF IT BEGINS TO ACT ABNORMALLY OR STOPS SUDDENLY, DISCONNECT IT FROM THE GENERATOR

CAUTION: MAKE SURE THE APPLIANCE DOES NOT EXCEED THE MAXIMUM RATED LOAD FOR THE GENERATOR.

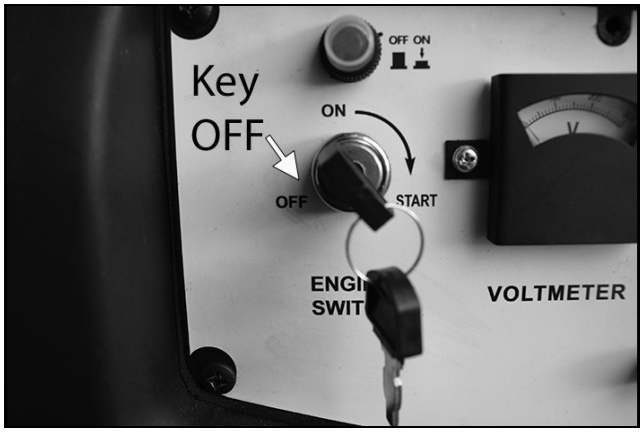
CAUTION: ANY DEVICE WHICH CONTAINS AN INDUCTIVE LOAD E.G. DEVICES THAT CONTAIN A MOTOR MAY REQUIRE MORE CURRENT ON STARTUP.

SHUTTING DOWN THE GENERATOR

1. Disconnect all electric devices.
2. Make sure that the AC breaker is set to the off (down) position.

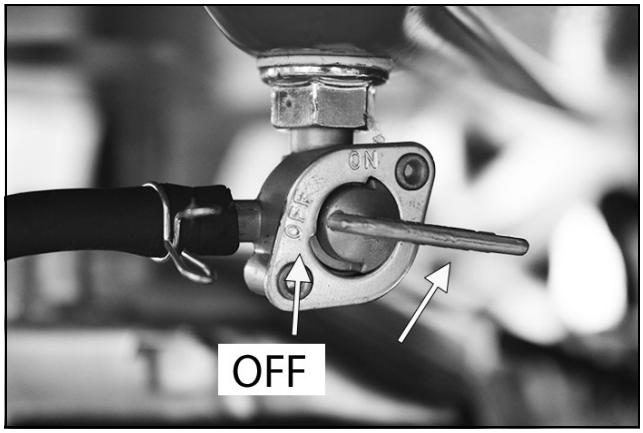


3. Turn the ignition key to the 'OFF' position.



4. Turn the fuel valve to "OFF".

NOTE: To stop the generator in an emergency simply turn the ignition key to the 'OFF' position.



MAINTENANCE

Some adjustments will need to be made periodically to properly maintain the generator. All service and adjustments should be made at least one time every year. It is important that the maintenance chart below is followed:

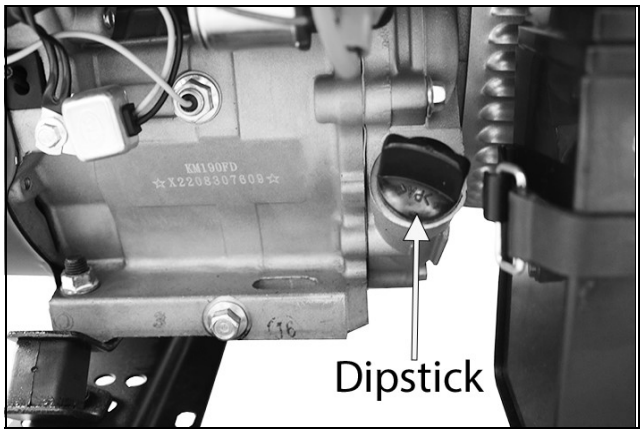
Item	**Action**	**Frequency**			
		Each Time of Use	Every 3 Months or 50 Hrs	Every 6 Months or 100 Hrs	Every Year or 300 Hrs
Engine Oil (Page 21)	Check Level	*			
	Replace			*	
Air Filter (Page 23)	Check	*			
	Clean		**		
	Replace				*
Spark Plug (Page 22)	Clean - Adjust			****	
	Replace				*
Idling	Check - Adjust				***
Valve Clearance	Check - Adjust				***
Fuel Tank	Clean				***
Fuel Filter (page 24)	Check - Clean		*		
Fuel Supply Line	Check	Every Two Years (Replace if Necessary***)			

- ** = Recommended to be performed more often than in the schedule if operated in a dusty environment.
- *** = Recommended to be performed by a CLARKE authorized dealer.
- **** = Adjust air gap to 0.6 - 0.7 mm.

CHANGING THE ENGINE OIL

CAUTION: PROLONGED EXPOSURE TO USED ENGINE OIL IS HARMFUL, ALWAYS WASH YOUR HANDS THOROUGHLY AFTER HANDLING USED ENGINE OIL.

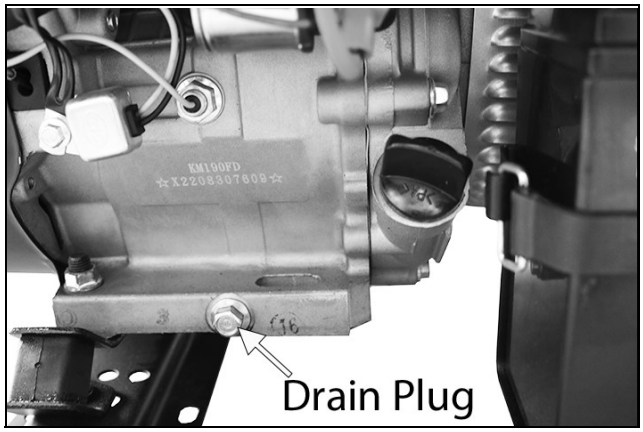
1. Unscrew and remove the oil filler cap/dipstick.
2. Place an oil collection tray under the drain plug.



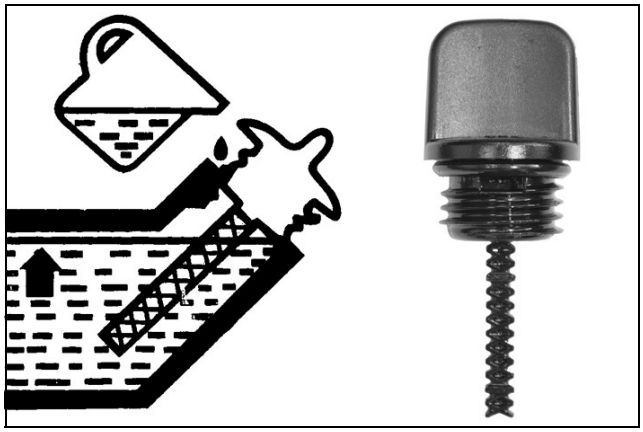
3. Unscrew the drain plug and allow the used engine oil to drain from the crankcase into the oil collection tray.

   NOTE: Drain the engine oil when the engine is warm, this will ensure the oil flows out faster.

4. Replace the drain plug.



5. Fill the crankcase with new engine oil.
   - Fill until the oil reaches the threads in the oil fill tube.
   - Oil capacity: 1.1 Litre.
   - We recommend the use of the following oil: CLARKE SAE30 Motor Oil; Part No: 3050852
6. Replace the oil filler cap/dipstick.



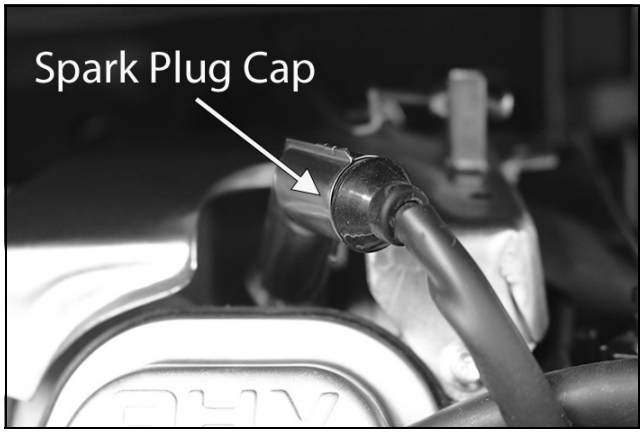
ENVIRONMENTAL PROTECTION

One of the most damaging sources of pollution is oil, **DO NOT** throw away used engine oil in with your domestic rubbish or pour it down drains or sinks. Place it in a leak proof container and take it to your local waste disposal site.

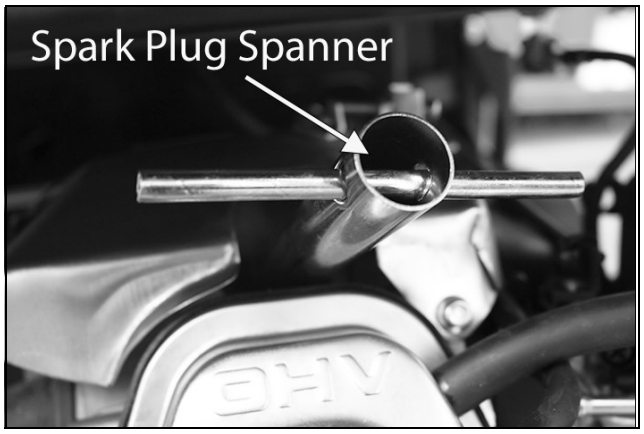
CHANGING THE SPARK PLUG

CAUTION: ALLOW THE ENGINE TO COOL BEFORE REMOVING THE SPARK PLUG.

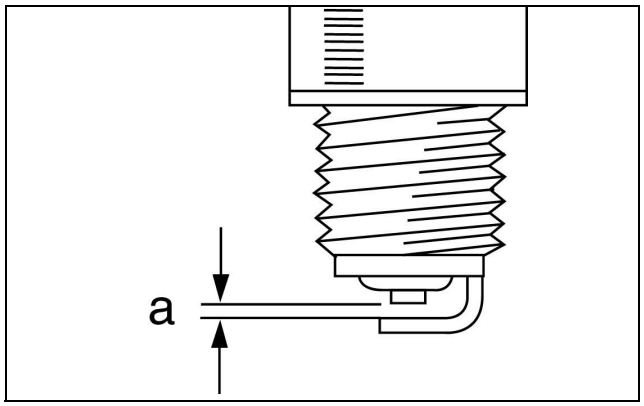
1. Remove the side panel bolts and remove the side panel
2. Remove the spark plug cap from the spark plug.



3. Use the spark plug spanner supplied to remove the spark plug.
4. Remove any carbon that has accumulated around the electrode.



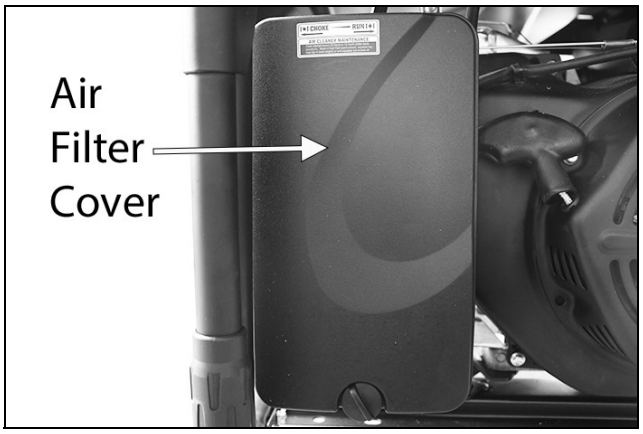
5. Check the spark plug gap (a), it should be between 0.7 and 0.8 mm, adjust if necessary.
6. Check the overall condition of the spark plug for erosion or pitting and replace if necessary.
7. Reinstall the spark plug and replace the spark plug cap.



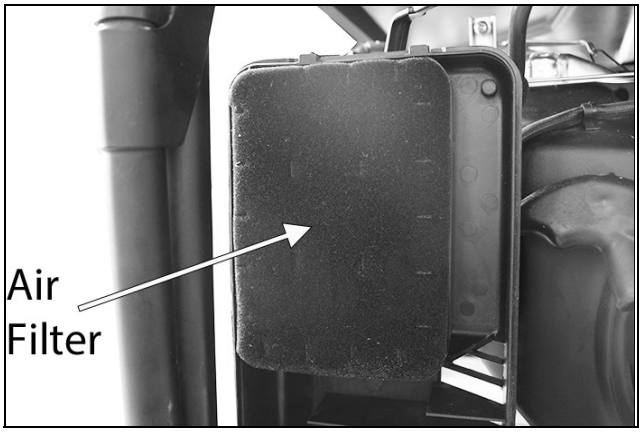
CHECKING THE AIR FILTER

CAUTION: DO NOT USE THE GENERATOR WITHOUT THE AIR FILTER FITTED, THIS CAN DAMAGE THE GENERATOR.

1. Unclip and remove the air filter cover.



2. Remove the air filter element.
3. Make sure that the air filter is clean and not damaged.
   - If the air filter is damaged contact CLARKE spare parts department for a replacement.
   - If the filter is dirty, wash in a solution of warm water and mild detergent and rinse thoroughly. Leave the filter to dry completely, once it is dry immerse in clean engine oil and squeeze to remove excess oil.



WARNING: DO NOT USE INFLAMMABLE SOLVENTS OR PETROL TO CLEAN THE AIR FILTER.

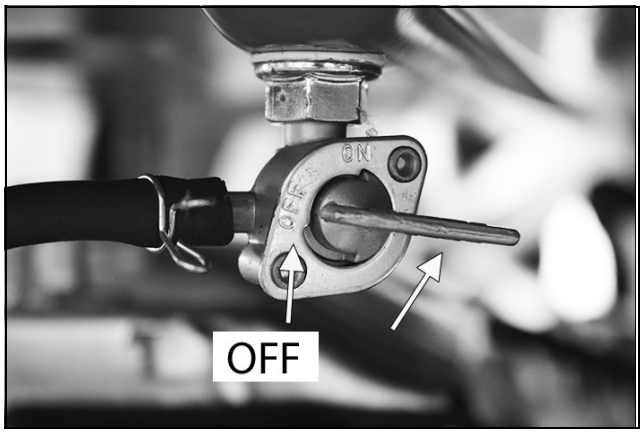
4. Replace the filter to its original position and replace the air filter cover.

CLEANING/DRAINING THE FUEL TANK & FILTER

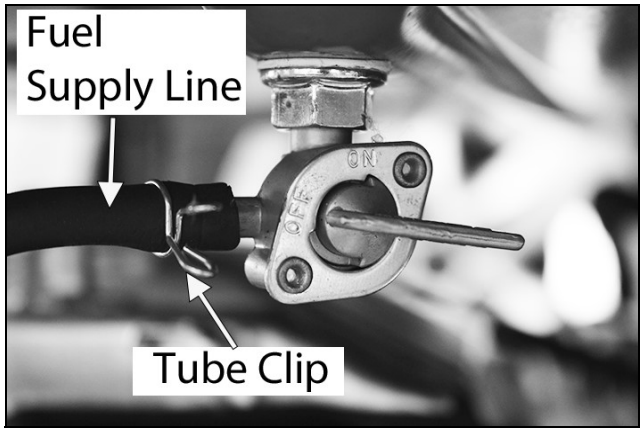
CAUTION: ALWAYS CARRY THIS PROCEDURE OUT IN A WELL VENTILATED AREA AND AWAY FROM ANY NAKED FLAME.

- You will need a length of 7mm external diameter tubing.

1. Set the fuel valve to the 'OFF' position.



2. Disconnect the fuel supply line by pinching the tube clip and pulling the supply line off the fuel valve.
3. Attach the 7mm external diameter tubing to the bottom outlet of the fuel valve.
4. Place an approved petrol storage container under the tubing and turn the fuel valve to the 'ON' position.
   - The fuel in the tank will drain into the container.



5. Once the fuel tank is empty turn the fuel valve to the 'OFF' position and reconnect the fuel supply line.

CLEAN FUEL TANK FILTER

Just inside the fuel tank is a fuel filter. Check this filter periodically and remove any contaminants which may have accumulated.

1. Remove the fuel tank cap.
2. Lift out the filter inside.

3. Clean the filter with solvent. If the filter is damaged, contact CLARKE Spare Parts department 020 8988 7400 for a replacement.
4. Replace the filter and fuel tank cap.

TROUBLESHOOTING

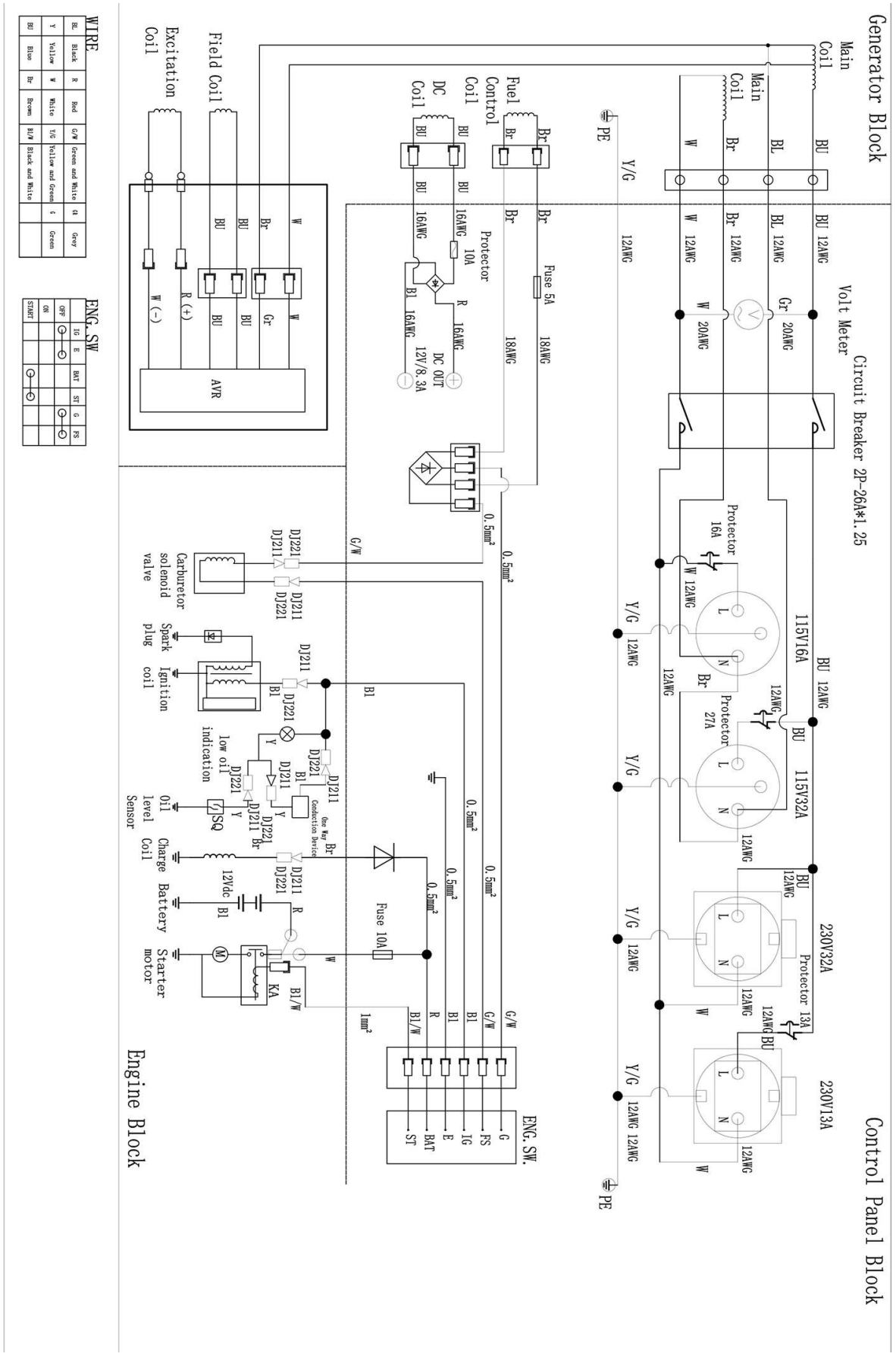
PROBLEM	CAUSE	SOLUTION
The generator fails to start	Ignition switch is off	Set the ignition switch to 'on'
	Not enough oil in the generator	Add more oil, see page 11
	No fuel	Add more fuel, see page 12, make sure the fuel valve is in the 'ON' position
	Spark plug not working correctly	Change the spark plug, see page 22
The generator fails to generate electricity	The device you are trying to power is faulty	Make sure the device you want to power is working properly
	The AC breaker is switched off	Switch the AC breaker on
The generator is difficult to start	The air filter is dirty	Clean the air filter, see page 23

If this does not solve your problem, please contact the CLARKE service department.

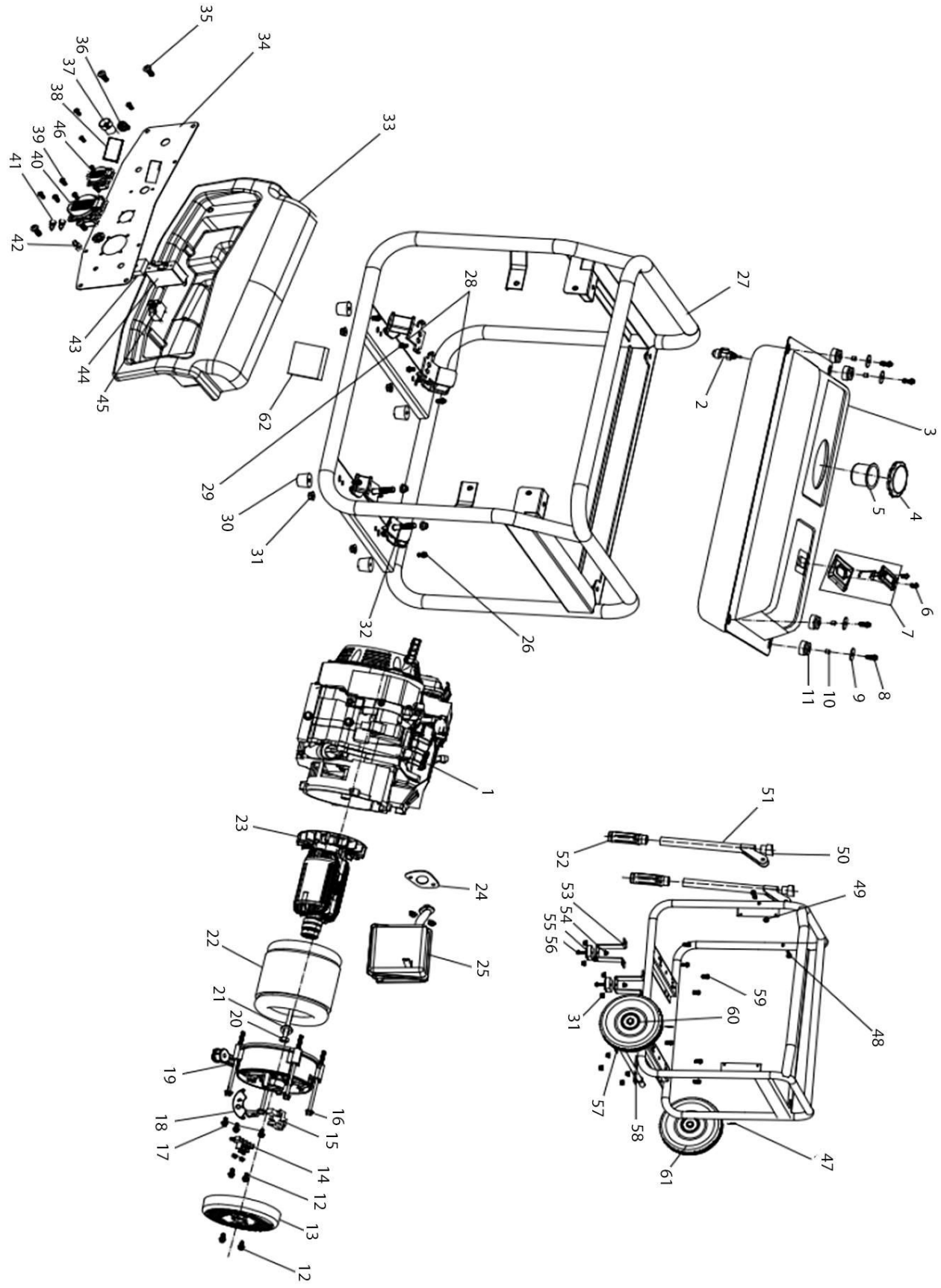
SPECIFICATIONS - PG7500ADVES

Engine	Engine Model/Type	KM190F/Petrol
	Power/Displacement	15HP/420cc
	RPM	3600
	Ignition type	Spark Ignition
	Fuel tank capacity (L)	25 (Safe Capacity)
	Fuel consumption at 3/4 Load (L/h)	2.8
	Maximum run time at 3/4 load (h)	Approx. 9
	Engine oil capacity (L)	1.1
	Emissions (g/kWh) CO, HC+NOx	421, 7.2
	Sound pressure level (LpA dB)	76
	Sound power level (LwA dB)	96.1
	Guaranteed sound power (LwA dB)	97
	Uncertainty factor (K dB)	1.02
Generator	Rated Frequency (Hz)	50
	Rated AC Voltage per socket x 2 (V)	230 (1 x 13A, 1 x 32A)
	Rated AC Voltage per socket x 2 (V)	110 (1 x 16A, 1 x 32A)
	Rated DC Voltage per socket 1 x USB, 1 x Type C (V)	5
	Rated Output Current (A)	54.5/26
	Maximum Rated Output Current (A)	32
	Max. Rated Output Power (W)	6500
	Rated Output Power (W)	6000
	Output Type	Sine Wave
	Starter Type	Recoil
	Operating Temperatures	-5^{o}C to 40^{o}C
	IP Rating	IP23M
Dimensions	Length x Width x Height (mm)	800 x 680 x 620
	Unpacked & Unfueled Weight (kg)	82

WIRING DIAGRAM



FRAME EXPLODED DIAGRAM



FRAME PARTS LIST

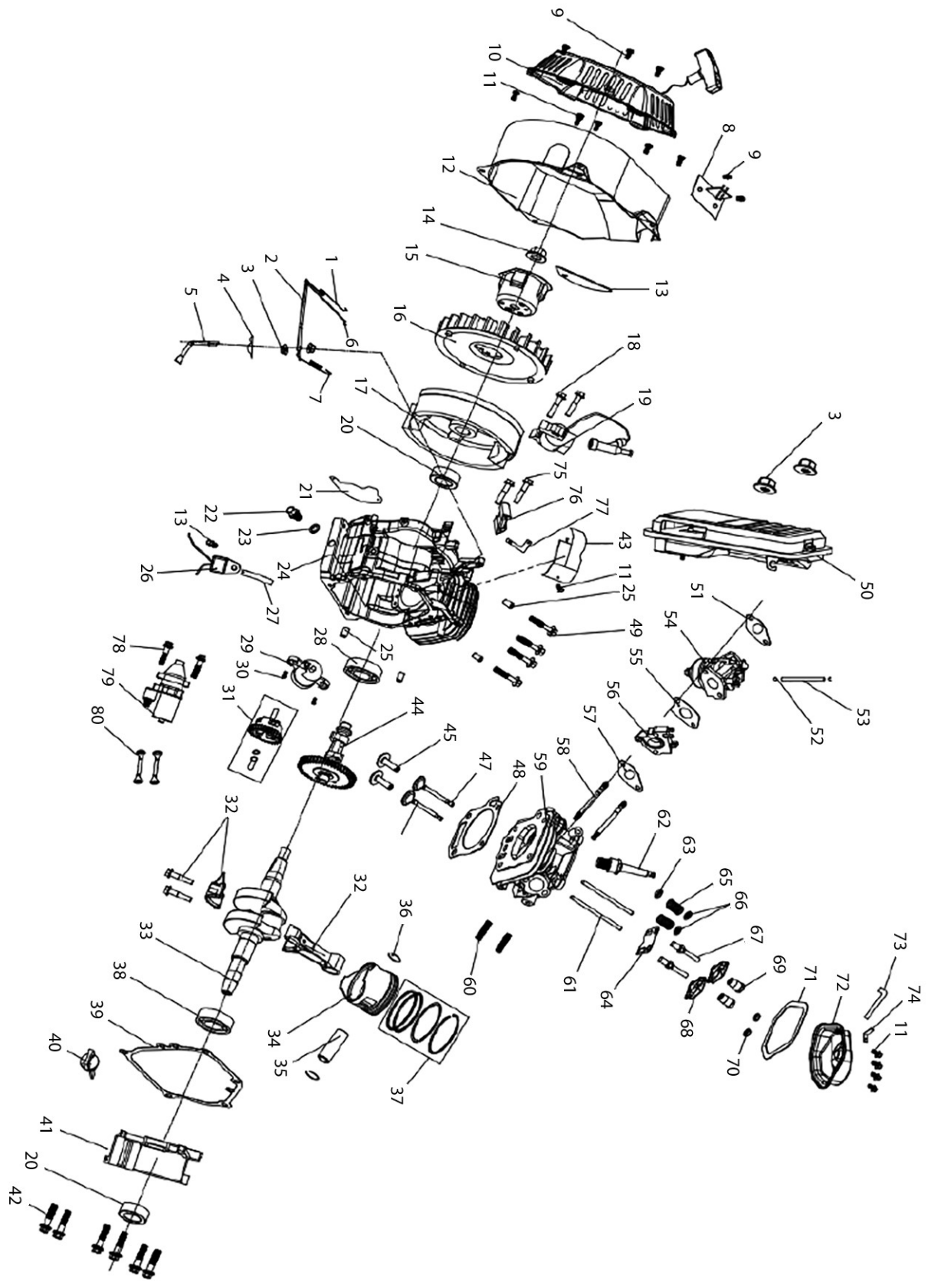
No	Description
01	KM190F Engine
02	Fuel Control Valve
03	Fuel Tank
04	Fuel Tank Cap
05	Fuel Filter
06	Bolt x 2
07	Fuel Meter
08	Nut x 4
09	Flat Washer x 4
10	Bushing x 4
11	Rubber Gasket x 4
12	Bolt x 5
13	Engine Cover
14	Terminal
15	Carbon Brush
16	Stator Bolt x 4
17	Bolt x 3
18	Automatic Voltage Regulator
19	Bracket
20	Rotor Bolt
21	Flat Washer
22	Stator
23	Rotor
24	Gasket (Exhaust Valve)
25	Muffler
26	Bolt x 4

No	Description
27	Main Frame
28	Shockproof Foot (Left) x 2
29	Bolt x 2
30	Rubber Foot x 4
31	Nut x 16
32	Shockproof Foot (Right) x 2
33	Control Panel Cover
34	Control Panel
35	Screw
36	Switch
37	Power Light
38	3 in 1 Digital Display Meter
39	Flat Gasket & Spring Washer x 4
40	AC230V Socket x 2
41	DC Terminal
42	Bolt
43	Bridge Rectifier
44	Single Pole Circuit Breaker
45	Circuit Breaker
46	AC110V Socket x 2
47	Cotter Pin x 2
48	Bolt x 2
49	Locknut x 2
50	Handle Bracket x 2
51	Handle Tube x 2
52	Handle Grip x 2

53	Supporting Foot x 2
54	Nut x 2
55	Holder x 2
56	Bolt x 2
57	Axle Clap

58	Front Axle
59	Bolt x 8
60	Flat Washer x 2
61	Front Wheel x 2
62	Accumulator

ENGINE EXPLODED DIAGRAM



ENGINE PARTS LIST

No	Description
01	Reset Spring (Throttle Valve)
02	Control Assembly
03	Nut x 4
04	Cotter Pin
05	Governor Arm
06	Governing Pull Rod
07	Governing Spring
08	Oil Control Set
09	Bolt x 2
10	Recoil Starter Assembly
11	Bolt x 13
12	Outer Vent Casing
13	Outer Vent Cover
14	Nut
15	Starting Pulley
16	Fly Wheel
17	Fly Wheel Set
18	Bolt x 2
19	Ignition Coil
20	Oil Seal x 2
21	Protection Panel (Outer Vent)
22	Bolt
23	Gasket Bolt
24	Crank Case
25	Location Pin x 4
26	Oil Protector

No	Description
27	Wire Clamp
28	Bearing
29	Oil Alert
30	Bolt
31	Governor Gear Set
32	Connecting Rod
33	Crankshaft
34	Piston
35	Piston Pin
36	Piston Pin Clip x 2
37	Piston Ring
38	Bearing
39	Crankshaft Gasket
40	Oil Gauge Set
41	Crankshaft Cover Set
42	Bolt x 6
43	Cylinder Air Vent
44	Camshaft Assembly
45	Valve Lifter x 2
46	Exhaust Valve
47	Intake Valve
48	Cylinder Head Gasket
49	Bolt x 4
50	Air Filter
51	Air Filter Gasket
52	Fuel Pipe Clamp

53	Fuel Pipe
54	Carburetor
55	Carburetor Gasket x 2
56	Insulation Board
57	Intake Gasket
58	Bolt x 2
59	Cylinder Head
60	Bolt x 2
61	Valve Lifter x 2
62	Spark Plug
63	Oil Baffle Cover
64	Plate Push Guide
65	Valve Spring x 2
66	Intake Valve Spring Retainer x 2

67	Bolt x 2
68	Valve Rocker Arm x 2
69	Nut x 2
70	Nut x 2
71	Cylinder Head Gasket
72	Cylinder Head Cover
73	Waste Pipe
74	High Tension Cable Plate
75	Bolt x 2
76	Charge Coil
77	Charging Coil
78	Bolt x 2
79	Starting Motor Unit
80	Battery Cable x 2

DECLARATION OF CONFORMITY - UKCA

UK CA

Clarke® INTERNATIONAL

DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following legislation:	**The following standards have been applied to the product(s):**
Noise Emission in the Environment by Equipment for use Outdoors Regulations 2001	*IEC 62321-7-1:2015, EN ISO 8528-13:2016, EN IEC 61000-6-1:2019, EN ISO 17075-1:2017,*
The Batteries and Accumulators (Placing on the Market) Regulations 2008	*IEC 62321-7-2:2017, IEC 62321-5:2013, IEC 62321-6:2015, IEC 62321-4:2013+AMD1:2017,*
The Electromagnetic Compatibility Regulations 2016	*IEC 62321-3-1:2013, EN 55012:2007+A1, EN ISO 3744:1995, ISO 8528-10:1998,*
The Supply of Machinery (Safety) Regulations 2008	*IEC 62321-8:2017*
The Non-Road Mobile Machinery (Type-Approval and Emission of Gaseous and Particulate Pollutants) Regulations 2018	
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012	

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned legislation has been compiled and is available for inspection by the relevant enforcement authorities.

The UKCA mark was first applied in: 2024

Manufacturer:	Clarke International Ltd, Hemnall Street, Epping, Essex, CM16 4LG, United Kingdom	**Notified Body:**	TÜV Rheinland LGA Products GmbH (ID Number: 0197), Tillystraße 2, 90431 Nürnberg, Germany
Product Description:	Generator	**Assessment Procedure:**	Annex VI of above noise legislation
Model Number(s):	PG7500ADVES	**Measured LWA:**	96.1 dB
Serial/Batch Number:	Refer to product/packaging label	**Guaranteed LWA:**	97 dB
Document Holder:	Alan Pond	**Signed:**	**J.A Clarke**
Date of Issue:	10/12/2024		**Director**

Parts & Service: 020 8988 7400 / E-mail: Parts@clarkeinternational.com or Service@clarkeinternational.com

CE

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DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following legislation:		**The following standards have been applied to the product(s):**
2000/14/EC	*Outdoor Noise Directive*	*IEC 62321-7-1:2015, EN ISO 8528-13:2016, EN IEC 61000-6-1:2019, EN ISO 17075-1:2017,*
2006/66/EC	*Battery Directive*	*IEC 62321-7-2:2017, IEC 62321-5:2013, IEC 62321-6:2015, IEC 62321-4:2013+AMD1:2017,*
2014/30/EU	*Electromagnetic Compatibility Directive*	*IEC 62321-3-1:2013, EN 55012:2007+A1, EN ISO 3744:1995, ISO 8528-10:1998,*
2006/42/EC	*Machinery Directive*	*IEC 62321-8:2017*
2016/1628	*Particulate Emission and Type-Approval for Non-Road Mobile Machinery Regulation*	
2011/65/EU	*Restriction of Hazardous Substances (RoHS) Directive*	

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned legislation has been compiled and is available for inspection by the relevant enforcement authorities.

The CE mark was first applied in: 2024

Manufacturer:	Clarke International Ltd, Fitzwilliam Hall, Fitzwilliam Place, Dublin 2, Republic of Ireland	**Notified Body:**	TÜV Rheinland LGA Products GmbH (ID Number: 0197), Tillystraße 2, 90431 Nürnberg, Germany
Product Description:	Generator	**Assessment Procedure:**	Annex VI of above noise legislation
Model Number(s):	PG7500ADVES	**Measured LWA:**	96.1 dB
Serial/Batch Number:	Refer to product/packaging label	**Guaranteed LWA:**	97 dB
Document Holder:	Alan Pond	**Signed:**	**J.A Clarke**
Date of Issue:	10/12/2024		**Director**

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