Clarke®

POWER

GENERATOR

MODEL NO: FG4050ES / FG5100ES

PART NO: 8857715, 8857720

OPERATION & MAINTENANCE INSTRUCTIONS

CE

LS0114

INTRODUCTION

Thank you for purchasing this CLARKE 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

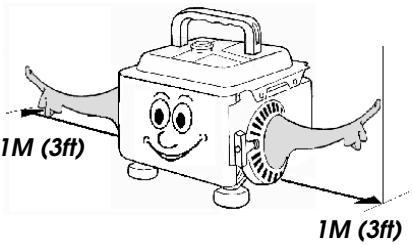
WARNING: EXHAUST FUMES CAN BE EXTREMELY DANGEROUS IF INHALED

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.***
- **Read these safety instructions before using the equipment.**
- **Keep children away from the generator**

POSITIONING THE GENERATOR

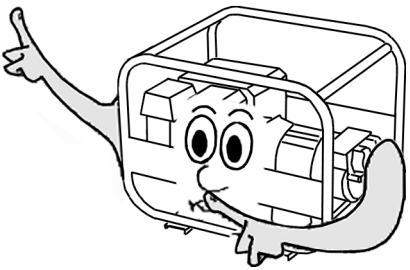
1. ***Always*** leave a least a 1M gap between the generator and any surrounding building or structures.
2. ***Always*** ensure the generator is on a solid, flat surface.
3. ***Always*** ensure the surrounding area is free from any material that could burn or be damaged by heat.



4. ***Never*** move or tilt the generator whilst it is switched on.

FIRE PREVENTION

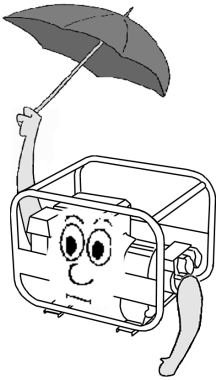
1. ***Always*** switch the engine OFF when refuelling.
2. ***Always*** refuel away from any source of heat.
3. ***Always*** refuel in a well ventilated area.
4. ***Never*** overfill the tank, fill to the level specified (See "Checking the fuel level" on page 12.).



5. ***Never*** smoke whilst refuelling and avoid smoking or using a naked flame near the generator.

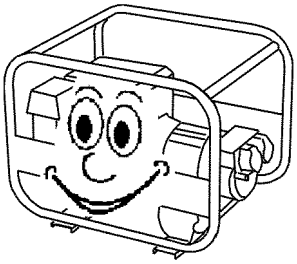
6. ***Never*** start the engine if there is spilled fuel. Any spillage must be wiped clean and the generator allowed to dry before attempting to start the engine.

PREVENTION OF ELECTRIC SHOCK

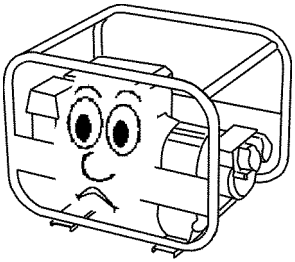


1. ***Never*** use the generator in wet conditions unless it is well protected/ covered. Under these conditions, adequate ventilation MUST be provided.
2. ***Never*** operate the generator with wet hands.
3. ***Never*** use water or any other liquids to clean the generator.

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 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; eg ring main.
7. ***Never*** allow the generator air vents to become blocked.



SAFETY SYMBOLS

Caution - The user should be aware of a general hazard

Dangerous voltage

Flammable

Hot Surface - Do not touch

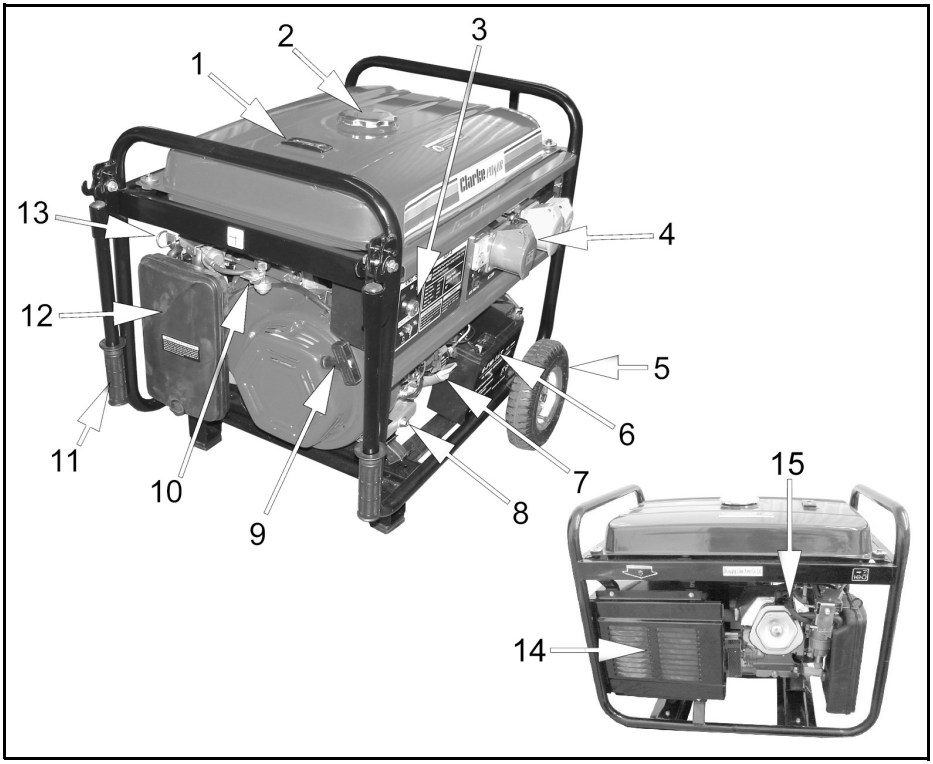
Poisonous fumes - Do not use the generator in an enclosed space.

Read Instruction manual before use.

Corrosive material

Explosive risk

GENERATOR OVERVIEW



NO	DESCRIPTION	NO	DESCRIPTION
1	Fuel level gauge	9	Starting handle
2	Fuel tank cap	10	Fuel supply valve
3	Ignition panel	11	Handle
4	Control panel	12	Air Filter
5	Wheel	13	Choke lever
6	Battery	14	Muffler
7	Dipstick	15	Spark plug
8	Drain plug	16	

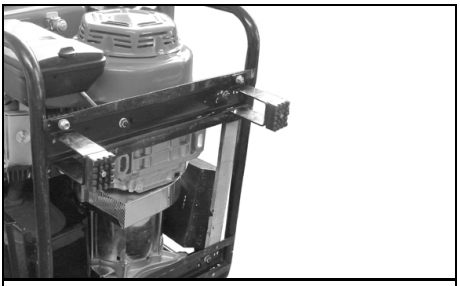
UNPACKING AND ASSEMBLY

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.

- The generator
- Spark plug box spanner
- Tommy bar
- Wheel kit

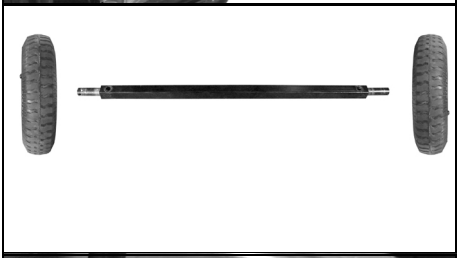
FITTING THE WHEEL KIT

1. Lay the generator on it's front and attach the 2 feet to the frame using 4 x Short bolts, 4 x Washers, 4 x Spring washers and 4 x Nuts.



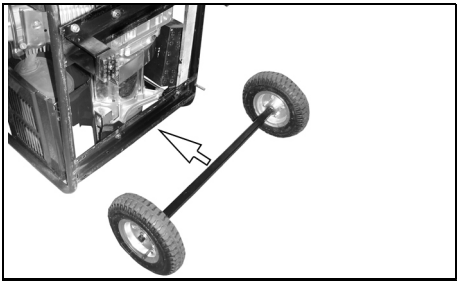
2. Slide both wheels on to the axle.

   NOTE: Make sure that the valve on each wheel is on the outside.

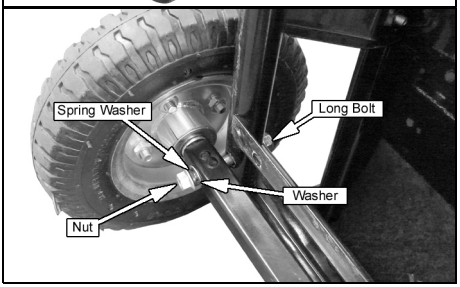


3. Secure the wheel to the axle using a split pin.

4. Place the axle against the frame on the generator as shown.

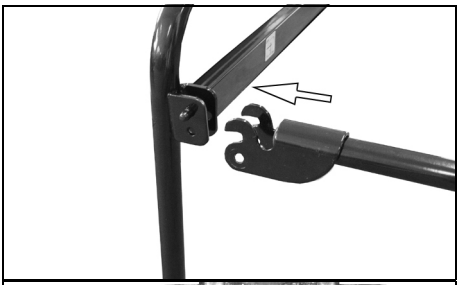


5. Fix the axle to the frame using 2 x Long bolts, 2 x Washers, 2 x Spring washers and 2 x Nuts.
6. Carefully place the generator onto its wheels/feet.

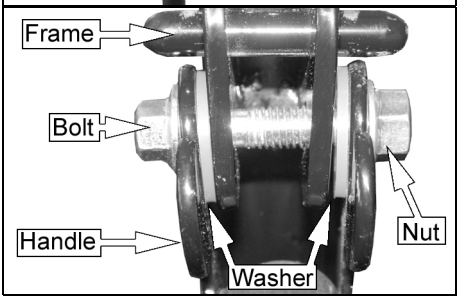


FITTING THE HANDLES

1. Place thehandle into position as shown.

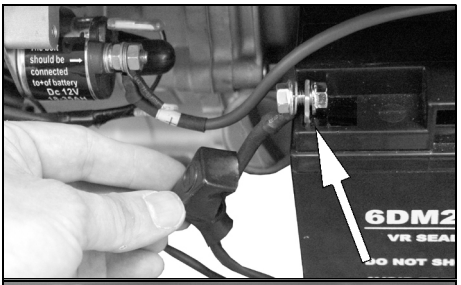


2. Ssecure the handle using the nNut and bolt supplied
   - Making sure that the 2 plastic washers are inserted between the handle and frame as shown.



CONNECTING THE BATTERY

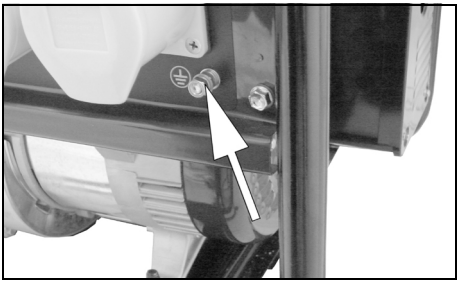
- Connect the negative wire to the negative terminal on the battery as shown on the right.



- Connect the positive wire to the positive terminal on the battery.
- Ensure both terminals are covered by the plastic covers as shown.

EARTH POINT

Always connect the generator to an earth point. The earth terminal is shown on the right.



BEFORE USING THE GENERATOR

IMPORTANT: Generators should ALWAYS be earthed.

Attach a suitable earth lead to a good earth - water pipe, ground spike etc., whenever you use this 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 fuel system and connectors are intact and there is no leakage.

NOTE: Always use a funnel to fill the fuel tank so as to avoid accidental spillage of fuel. If fuel is spilled it must be removed from the unit before attempting to start the engine.

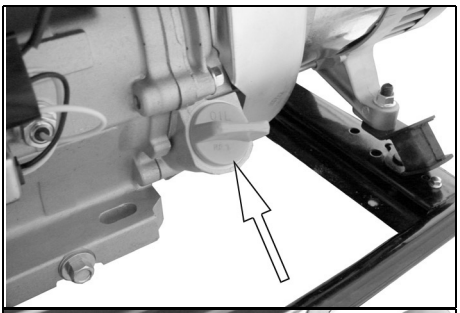
WARNING: ENSURE THERE IS ADEQUATE FUEL IN THE TANK WHEN USING THE GENERATOR. RUNNING OUT OF FUEL OR STOPPING THE ENGINE SUDDENLY WITH A LOAD CONNECTED COULD CAUSE SERIOUS DAMAGE.

CHECKING THE ENGINE OIL LEVEL

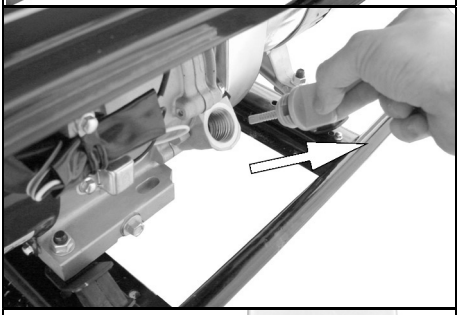
WARNING: TO CARRY OUT THIS CHECK, PLACE THE GENERATOR ON LEVEL GROUND WITH THE ENGINE SWITCHED OFF.

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

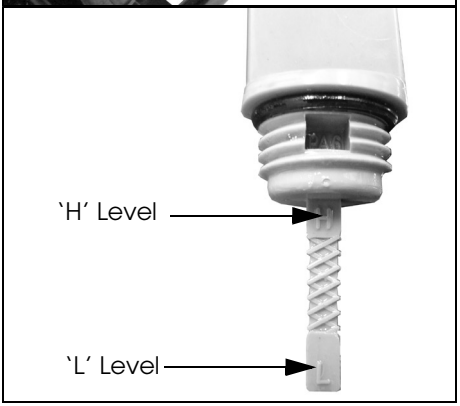
1. Turn the oil filler cap anti-clockwise and remove from the oil tank, wipe the dipstick with a clean cloth.



2. Insert the dipstick back into the oil filler tube and then remove it again. Do not screw in the oil filler cap/dipstick when doing this.



3. If the oil is below the 'L' level on the dipstick, fill the oil reservoir to the 'H' level on the dipstick.
   - Oil capacity (See "Specifications" on page 22.)
   - We recommend the use of SAE30 oil in this generator.
4. Replace the oil filler cap.

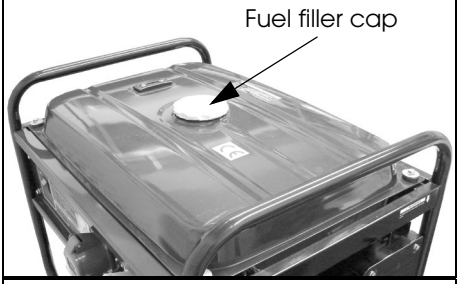


CHECKING THE FUEL LEVEL

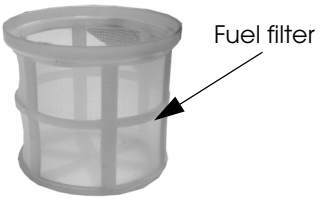
1. Check the fuel level on the fuel gauge.
   The fuel gauge will show as red when you have fuel in the tank turning white as the fuel level decreases.

Empty Full

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



3. Just inside the fuel tank is a fuel tank filter, check this filter periodically and remove any contaminants which may have accumulated.
4. Slowly add fuel to the fuel tank (maximum 25L) watching the fuel level gauge as you do so.



RECOMMENDED FUEL

We recommend the use of standard unleaded petrol.

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.

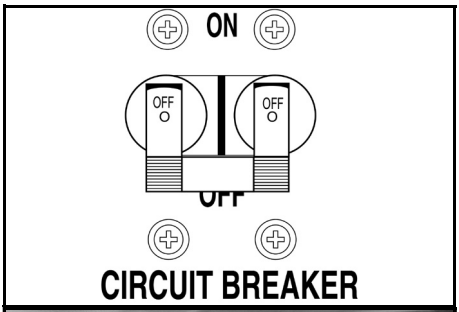
NOTE: Do not overfill the fuel tank.

5. Replace the fuel filler cap securely.

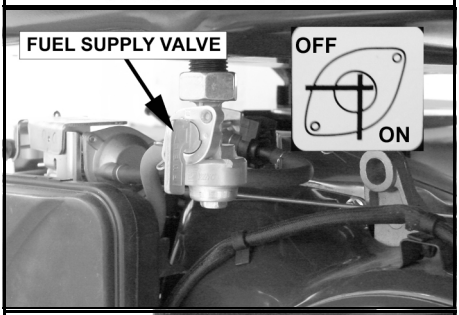
USING YOUR GENERATOR

STARTING THE ENGINE

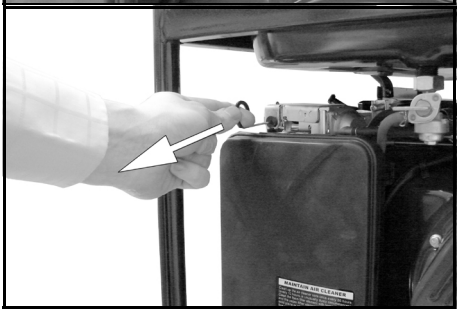
1. Remove all connections from the AC sockets.
2. Set the AC circuit breaker to the off position.



3. Turn on the fuel supply valve.

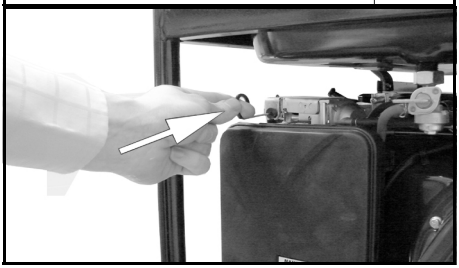


4. If you are starting the generator 'cold' set the choke lever to the ON position. If the generator is warm skip this step.



5. Insert the key into the ignition.
6. Turn and hold the key in the START position.
7. Once the engine starts to run turn the key back to the ON position.

8. Once the engine has warmed up, set the choke lever to the OFF position pushed in).



BACKUP STARTING PROCEDURE

If for any reason the engine will not start using the above procedure, you can start your generator manually by carrying out the following.

1. Set the ignition key to the ON position.
2. Pull the starting handle lightly until you start to feel resistance and then pull up sharply to start the generator.
3. You may have to do this more than once.

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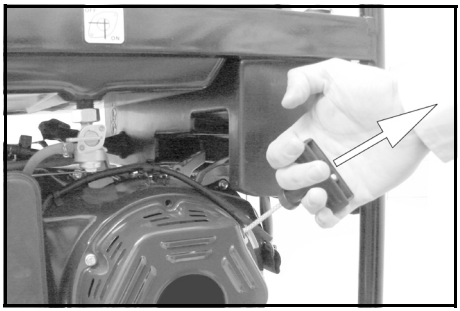


WARNING: ONCE THE GENERATOR HAS STARTED, RELEASE THE STARTING HANDLE SLOWLY TO AVOID INJURY/DAMAGE AS IT WHIPS BACK.

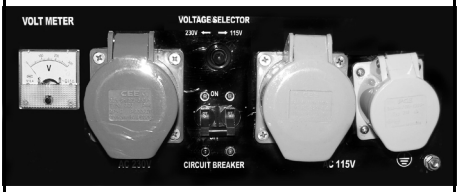
CONNECTING ELECTRICAL DEVICES

The generator can supply both 230V AC and 115V AC.

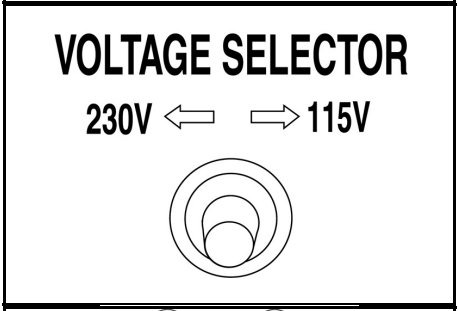
The ports are laid out in the following order: (from left to right):

1 x 32amp 230v (Blue),1 x 32amp 115v (Large Yellow) and 1 x 16amp 115v (Small Yellow).

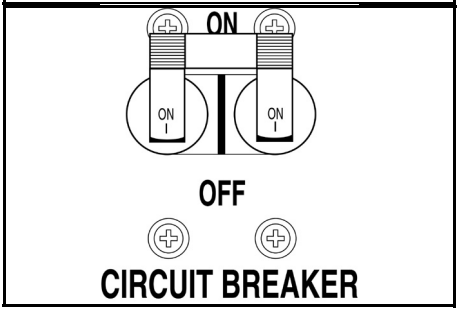
1. Connect the appliance to the generator starting with the device that draws the most current.



2. Select the voltage that you require using the voltage selector switch.

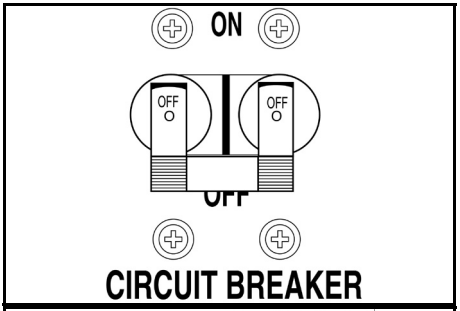


3. Set the circuit breaker to 'ON'.



SHUTTING DOWN THE GENERATOR

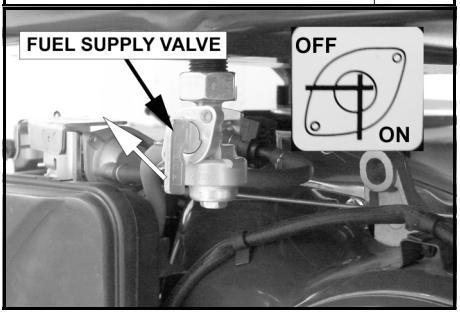
1. Disconnect all appliances connected to the generator.
2. Set the circuit breaker to 'OFF'.



3. Turn the ignition key to the OFF position.

4. Set the fuel supply valve to OFF.

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



MAINTENANCE

CHANGING THE ENGINE OIL

CAUTION: PROLONGED EXPOSURE TO USED ENGINE OIL IS DANGEROUS, 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 quicker.
4. Replace the drain plug and it ring seal.
5. Fill the crankcase with engine oil to the 'H' mark on the dipstick. See page 11.
6. Replace the oil filler cap/dipstick.

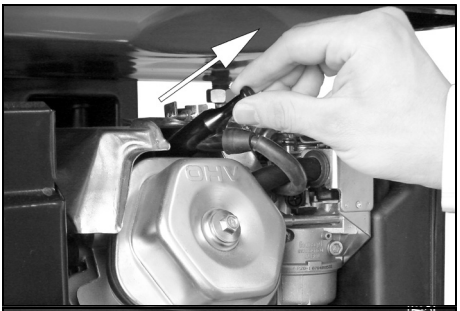
ENVIRONMENTAL PROTECTION

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

CHANGING THE SPARK PLUGS

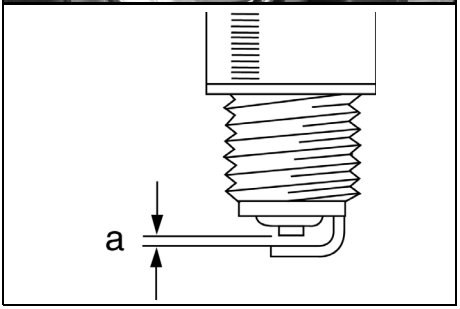
CAUTION: ALLOW THE ENGINE TO COOL BEFORE REMOVING THE SPARK PLUG.

1. Remove the spark plug cap from the spark plug.



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

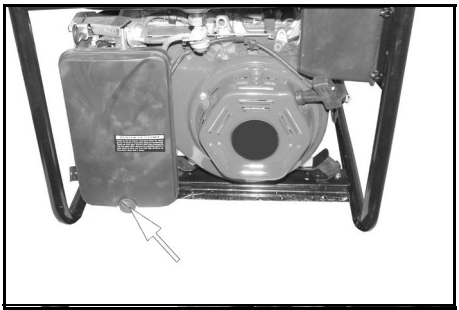
4. Check the spark plug gap (a), it should be between 0.7 and 0.8 mm, adjust if necessary.
5. Check the overall condition of the spark plug and replace if necessary.
6. Reinstall the spark plug and replace the spark plug cap.



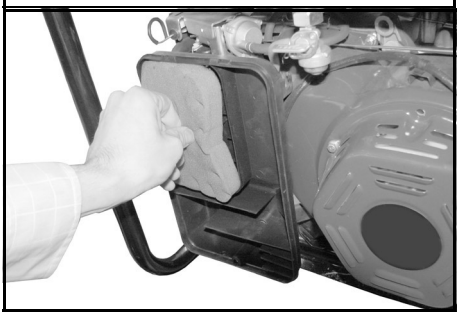
CHECKING THE AIR FILTER

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

1. Unlock 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 the filter in a solution of warm water and mild detergent and rinse thoroughly. Leave the filter to dry completely, once it is dry immerse the filter in clean engine oil and sqeeze the filter to remove excess oil.

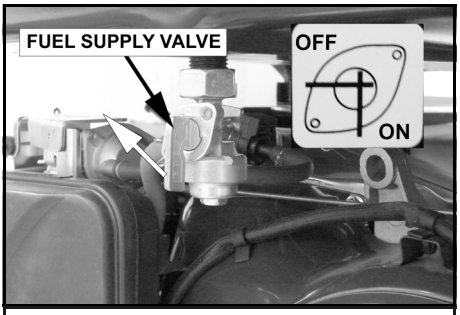


WARNING: DO NOT USE INFLAMMABLE SOLVENTS OR PETROL TO CLEAN THE AIR FILTER.

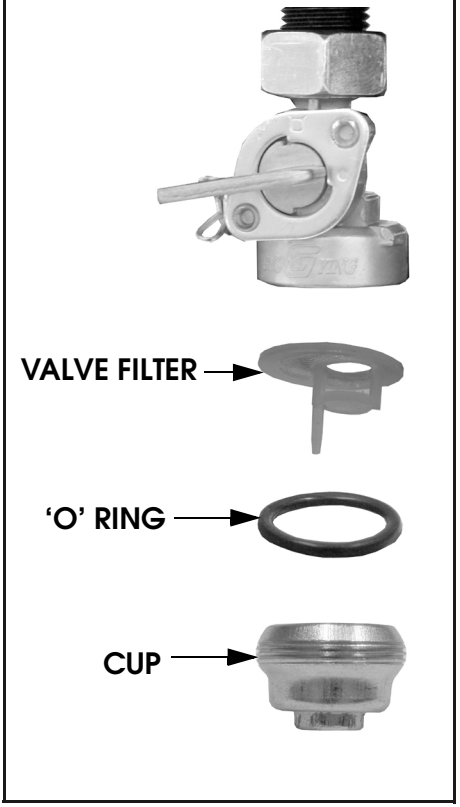
4. Replace the filter back into its original position and replace the air filter cover.

CLEANING THE FUEL VALVE FILTER / DRAINING THE FUEL TANK

1. Set the fuel supply valve to OFF.



2. Unscrew and remove the cup, then remove the valve filter and 'O' ring.
3. Wash these parts in a non-inflammable solvent. Make sure that the valve filter is not damaged.
4. Place an approved petrol storage container under the fuel valve and set the fuel supply valve to 'ON'.
   - The fuel in the tank will drain into the container.
5. Replace the 'O' ring and valve filter and tighten the cup as far as possible.



TROUBLESHOOTING

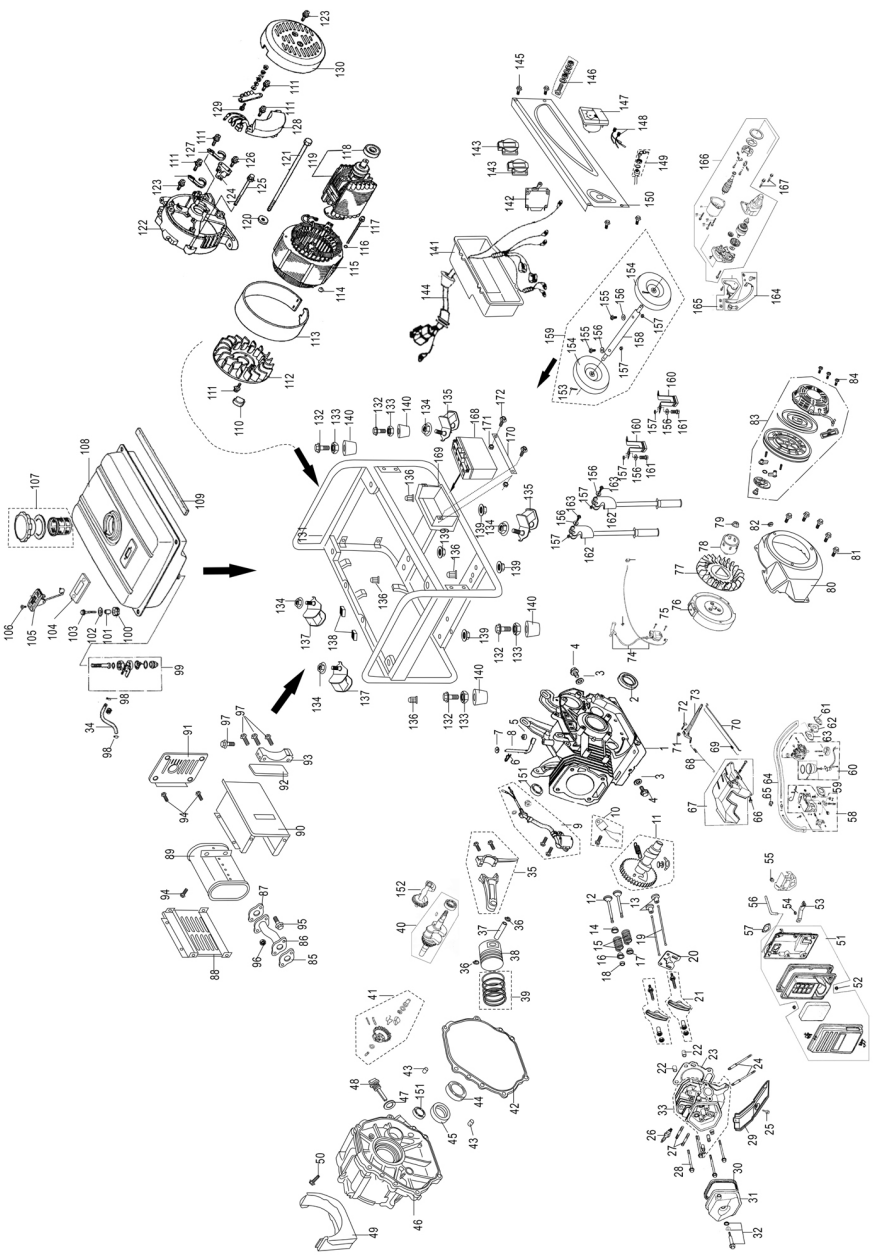
PROBLEM	CAUSE	SOLUTION
The generator fails to start	Ignition switch is off	Set the ignition switch to 'on'
	Not enough oil in the generator	Add more oil, See page 11
	No fuel	Add more fuel, See page 12
	Spark plugs not working correctly	Change the spark plugs, See page 18
The generator fails to generate 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 19
	The fuel filter is dirty	Clean the fuel filter, See page 20

If this does not solve your problem, please contact the Clarke service department. See page 27

SPECIFICATIONS

		FG4050ES	FG5100ES
Engine	Engine Model	182FD	188FD
	Type	Petrol	
	Displacement (cm^3)	337	389
	Max. power output (hp/rpm)	11/3600	13/3600
	Ignition type	Non contact transisterised ignition	
	Start system	Electric with recoil backup	
	Fuel tank capacity (L)	25	25
	Fuel consumption (L/hr.)	2.45	2.7
	Maximum run time (h)	10	9
	Engine oil capacity (L)	1.1	1.1
	Guaranteed sound power (L_{WA} dB)	97	97
Generator	Rated Frequency (Hz)	50	50
	Output Voltage (V)	115v / 230v	115v / 230v
	Rated Power (kVA)	4	5
	Max. Power (kVA)	4.5	5.5
Dimensions	Length (mm)	680	680
	Width (mm)	540	540
	Height (mm)	510	510
	Unpacked Weight (kg)	84.5	82

EXPLODED DIAGRAM & PARTS LIST



EXPLODED DIAGRAM & PARTS LIST

NO	DESCRIPTION	PART NO	
		FG4050ES	FG5100ES
1	Crankcase	RKFG4010001	RKFG5100001
2	Oil seal, crankshaft	RKFG4010002	RKFG5100002
3	Washer	RKFG4010003	RKFG5100003
4	Drain plug	RKFG4010004	RKFG5100004
5	Oil seal, regulating sway bar	RKFG4010005	RKFG5100005
6	Split pin	RKFG4010006	RKFG5100006
7	Washer	RKFG4010007	RKFG5100007
8	Regulating sway bar	RKFG4010008	RKFG5100008
9	Oil sensor	RKFG4010009	RKFG5100009
10	Diode	RKFG4010010	RKFG5100010
11	Camshaft Assy	RKFG4010011	RKFG5100011
12	Exhaust valve	RKFG4010012	RKFG5100012
13	Intake valve	RKFG4010013	RKFG5100013
14	Spring retainer, exhaust valve	RKFG4010014	RKFG5100014
15	Valve spring	RKFG4010015	RKFG5100015
16	Spring seat, exhaust valve	RKFG4010016	RKFG5100016
17	Spring seat, intake valve	RKFG4010017	RKFG5100017
18	Cap, exhaust valve	RKFG4010018	RKFG5100018
19	Pusher	RKFG4010019	RKFG5100019
20	Pusher guide	RKFG4010020	RKFG5100020
21	Valve rocker Assy	RKFG4010021	RKFG5100021
22	Set pin	RKFG4010022	RKFG5100022
23	Gasket, cylinder head	RKFG4010023	RKFG5100023
24	Stud M6×M8×106	RKFG4010024	RKFG5100024

NO	DESCRIPTION	PART NO	
		FG4050ES	FG5100ES
25	Bolt M6×12	RKFG4010025	RKFG5100025
26	Spark plug F6RTCU	RKFG4010026	RKFG5100026
27	Stud M8×35	RKFG4010027	RKFG5100027
28	Flange bolt	RKFG4010028	RKFG5100028
29	Lead wind cover	RKFG4010029	RKFG5100029
30	Gasket, cylinder head cover	RKFG4010030	RKFG5100030
31	Cylinder head cover Assy	RKFG4010031	RKFG5100031
32	Bolt	RKFG4010032	RKFG5100032
33	Cylinder head Assy	RKFG4010033	RKFG5100033
34	Outlet pipe 9×4.5×160	RKFG4010034	RKFG5100034
35	Connecting rod Assy	RKFG4010035	RKFG5100035
36	Piston pin circlip	RKFG4010036	RKFG5100036
37	Piston pin	RKFG4010037	RKFG5100037
38	Piston	RKFG4010038	RKFG5100038
39	Piston ring assy	RKFG4010039	RKFG5100039
40	Crankshaft sets	RKFG4010040	RKFG5100040
41	Driven gear set, regulator	RKFG4010041	RKFG5100041
42	Gasket, crankcase	RKFG4010042	RKFG5100042
43	Set pin	RKFG4010043	RKFG5100043
44	Bearing 6207	RKFG4010044	RKFG5100044
45	Oil seal, crankshaft	RKFG4010045	RKFG5100045
46	Crankcase cover	RKFG4010046	RKFG5100046
47	Dipstick	RKFG4010047	RKFG5100047
48	Seal	RKFG4010048	RKFG5100048

EXPLODED DIAGRAM & PARTS LIST

NO	DESCRIPTION	PART NO	
		FG4050ES	FG5100ES
49	Guard, crankcase cover	RKFG4010049	RKFG5100049
50	Bolt M5×12	RKFG4010050	RKFG5100050
51	Air cleaner Assy	RKFG4010051	RKFG5100051
52	Nut M5	RKFG4010052	RKFG5100052
53	Air cleaner stay	RKFG4010053	RKFG5100053
54	Nut M6	RKFG4010054	RKFG5100054
55	Boot, vent pipe	RKFG4010055	RKFG5100055
56	Air duck	RKFG4010056	RKFG5100056
57	Gasket, air cleaner	RKFG4010057	RKFG5100057
58	Manual choke Assy	RKFG4010058	RKFG5100058
59	Gasket, air cleaner	RKFG4010059	RKFG5100059
60	Carburetor Assy	RKFG4010060	RKFG5100060
61	Gasket, inlet	RKFG4010061	RKFG5100061
62	Connecting block, carburetor	RKFG4010062	RKFG5100062
63	Gasket, carburetor	RKFG4010063	RKFG5100063
64	Check valve Assy	RKFG4010064	RKFG5100064
65	Clamp, check valve	RKFG4010065	RKFG5100065
66	Bolt M6×12	RKFG4010066	RKFG5100066
67	Supporting plate set	RKFG4010067	RKFG5100067
68	Back spring	RKFG4010068	RKFG5100068
69	Fine regulating spring	RKFG4010069	RKFG5100069
70	Pulling rod	RKFG4010070	RKFG5100070
71	Nut M6	RKFG4010071	RKFG5100071
72	Lock bolt	RKFG4010072	RKFG5100072

NO	DESCRIPTION	PART NO	
		FG4050ES	FG5100ES
73	Regulating arm	RKFG4010073	RKFG5100073
74	Ignition coil unit	RKFG4010074	RKFG5100074
75	Bolt M6×30	RKFG4010075	RKFG5100075
76	Flywheel	RKFG4010076	RKFG5100076
77	Flywheel fan	RKFG4010077	RKFG5100077
78	Starting flange	RKFG4010078	RKFG5100078
79	Nut M16×1.25	RKFG4010079	RKFG5100079
80	Fan hood assy	RKFG4010080	RKFG5100080
81	Bolt M6×12	RKFG4010081	RKFG5100081
82	Grommet	RKFG4010082	RKFG5100082
83	Recoil starter	RKFG4010083	RKFG5100083
84	Bolt M6×8	RKFG4010084	RKFG5100084
85	Gasket, outlet	RKFG4010085	RKFG5100085
86	Exhaust pipe	RKFG4010086	RKFG5100086
87	Gasket, exhaust pipe	RKFG4010087	RKFG5100087
88	Outer hood	RKFG4010088	RKFG5100088
89	Muffler	RKFG4010089	RKFG5100089
90	Inner hood	RKFG4010090	RKFG5100090
91	Side hood	RKFG4010091	RKFG5100091
92	Gasket, inner hood	RKFG4010092	RKFG5100092
93	Muffler stay	RKFG4010093	RKFG5100093
94	Flange bolt M6×12	RKFG4010094	RKFG5100094
95	Flange bolt M8×25	RKFG4010095	RKFG5100095
96	Nut M8	RKFG4010096	RKFG5100096
97	Flange bolt M8×16	RKFG4010097	RKFG5100097
98	Tube clip	RKFG4010098	RKFG5100098
99	Fuel cock	RKFG4010099	RKFG5100099
100	Cushion	RKFG4010100	RKFG5100100

EXPLODED DIAGRAM & PARTS LIST

NO	DESCRIPTION	PART NO	
		FG4050ES	FG5100ES
101	Fitting brush, fuel tank	RKFG4010101	RKFG5100101
102	Washer	RKFG4010102	RKFG5100102
103	Flange bolt M6×22	RKFG4010103	RKFG5100103
104	Gasket, fuel sensor	RKFG4010104	RKFG5100104
105	Fuel sensor	RKFG4010105	RKFG5100105
106	Screw M5×10	RKFG4010106	RKFG5100106
107	Fuel filler cap	RKFG4010107	RKFG5100107
108	Fuel tank	RKFG4010108	RKFG5100108
109	Stripe, fuel tank	RKFG4010109	RKFG5100109
110	Plug, sump	RKFG4010110	RKFG5100110
111	Screw M5×14	RKFG4010111	RKFG5100111
112	Generator fan	RKFG4010112	RKFG5100112
113	Stator cover	RKFG4010113	RKFG5100113
114	Nut M5	RKFG4010114	RKFG5100114
115	Stator Assy	RKFG4010115	RKFG5100115
116	Spring washer 5mm	RKFG4010116	RKFG5100116
117	Bolt M5×213	RKFG4010117	RKFG5100117
118	Bearing 6204-2ZN	RKFG4010118	RKFG5100118
119	Rotor Assy	RKFG4010119	RKFG5100119
120	Plain washer	RKFG4010120	RKFG5100120
121	Bolt M10×265	RKFG4010121	RKFG5100121
122	Generator stay	RKFG4010122	RKFG5100122
123	Screw M5×12	RKFG4010123	RKFG5100123
124	Brush Assy	RKFG4010124	RKFG5100124
125	Bolt M6×175	RKFG4010125	RKFG5100125
126	Screw M5×18	RKFG4010126	RKFG5100126
127	Clip A	RKFG4010127	RKFG5100127

NO	DESCRIPTION	PART NO	
		FG4050ES	FG5100ES
128	Voltage regulator	RKFG4010128	RKFG5100128
129	Bolt M5×20	RKFG4010129	RKFG5100129
130	Generator end cover	RKFG4010130	RKFG5100130
131	Frame comp.	RKFG4010131	RKFG5100131
132	Rubber pad, frame	RKFG4010132	RKFG5100132
133	Bolt M6×12	RKFG4010133	RKFG5100133
134	Nut M6	RKFG4010134	RKFG5100134
135	Bottom rubber A	RKFG4010135	RKFG5100135
136	Nut M6	RKFG4010136	RKFG5100136
137	Bottom rubber B	RKFG4010137	RKFG5100137
138	Rubber pad, frame	RKFG4010138	RKFG5100138
139	Nut M8	RKFG4010139	RKFG5100139
140	Cushion, frame	RKFG4010140	RKFG5100140
141	Control panel case	RKFG4010141	RKFG5100141
142	Circuit protector	RKFG4010142	RKFG5100142
143	Consent	RKFG4010143	RKFG5100143
144	Main wire harness Assy	RKFG4010144	RKFG5100144
145	Bolt M6×12	RKFG4010145	RKFG5100145
146	Earth terminal set	RKFG4010146	RKFG5100146
147	Voltmeter	RKFG4010147	RKFG5100147
148	DC terminal	RKFG4010148	RKFG5100148
149	Ignition switch	RKFG4010149	RKFG5100149
150	Control panel	RKFG4010150	RKFG5100150
151	Bearing 6202	RKFG4010151	RKFG5100151
152	Balancing shaft	RKFG4010152	RKFG5100152
153	Split pin	RKFG4010153	RKFG5100153

EXPLODED DIAGRAM & PARTS LIST

NO	DESCRIPTION	PART NO	
		FG4050ES	FG5100ES
154	Wheel kit	RKFG4010154	RKFG5100154
155	Bolt M8×60	RKFG4010155	RKFG5100155
156	Flat washer	RKFG4010156	RKFG5100156
157	Screw M8	RKFG4010157	RKFG5100157
158	Wheel axel	RKFG4010158	RKFG5100158
159	Wheel kit Assy	RKFG4010159	RKFG5100159
160	Underprop	RKFG4010160	RKFG5100160
161	Bolt M8×24	RKFG4010161	RKFG5100161
162	Handle bar	RKFG4010162	RKFG5100162
163	Bolt M8×40	RKFG4010163	RKFG5100163
164	Cable, starting motor	RKFG4010164	RKFG5100164
165	Relay, start-up	RKFG4010165	RKFG5100165
166	Starting motor Assy	RKFG4010166	RKFG5100166
167	Bolt M8×35	RKFG4010167	RKFG5100167
168	Battery	RKFG4010168	RKFG5100168
169	Battery Bracket	RKFG4010169	RKFG5100169
170	Dam Board	RKFG4010170	RKFG5100170
171	Nut	RKFG4010171	RKFG5100171
172	Bolt M6x12	RKFG4010172	RKFG5100172

For Parts & Servicing, please contact CLARKE International, on one of the following numbers.

PARTS & SERVICE TEL: 020 8988 7400
PARTS & SERVICE FAX: 020 8558 3622
or e-mail as follows:

PARTS: Parts@clarkeinternational.com
SERVICE: Service@clarkeinternational.com

DECLARATION OF CONFORMITY (FG4050ES)

CE

Clarke® INTERNATIONAL

Hemnall Street, Epping, Essex CM16 4LG

DECLARATION OF CONFORMITY

This is an important document and should be retained.

Product Description:	Petrol Powered Generator
Model number(s):	FG4050ES
Serial / batch Number:	N/A
Date of Issue:	26/02/2010
(Noise Conformity)	
Notified Body:	Societe Nationale De Certification ETD' Homologation S.A.R.L (SNCH) 11 Rout De Sandweiler 5230 Sandweiler Luxembourg
Technical Documentation Holder:	Alan Pond Clarke International 2a Shrubland Road London E10,7RB UK
Conformity Assessment Procedure:	to 2000/14/EC Annex VI
Manufacturer:	Clarke International
Noise Related Value:	3 kW
Measured Sound Power Level:	96dB
Guaranteed Sound Power Level:	97 dB

FG4050ES-RV3

Page 1 of 2

DECLARATION OF CONFORMITY (FG4050ES)

CE

Clarke®
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Hemnall Street, Epping, Essex CM16 4LG

DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following directive(s):

2004/108/EC	*Electromagnetic Compatibility Directive*
2006/42/EC	*Machinery Directive.*
2006/95/EC	*Low Voltage Equipment Directive*
2000/14/EC	*Noise Emissions Directive (amended by 2005/88/EC).*
97/68/EC	*Emission of Gaseous Particulates (amended by 2004/26/EC)*

The following standards have been applied to the product(s):

EN 60204-1:1997+A1, EN 12601:2001EN 55014-1:2006+A1:2009, EN 55014-2:2000, EN 55012:2002

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

The CE mark was first applied in: 2006

Signed:

J.A. Clarke
Director

FG4050ES-RV3

Page 2 of 2

DECLARATION OF CONFORMITY (FG5100ES)

CE

Clarke®
INTERNATIONAL
Hemnall Street, Epping, Essex CM16 4LG

DECLARATION OF CONFORMITY

This is an important document and should be retained.

Product Description:	Petrol Powered Generator
Model number(s):	FG5100ES
Serial / batch Number:	N/A
Date of Issue:	26/02/2010
(Noise Conformity)	
Notified Body:	Societe Nationale De Certification ETD'
	Homologation S.A.R.L (SNCH)
	11 Rout De Sandweiler
	5230 Sandweiler
	Luxembourg
Technical Documentation Holder:	Alan Pond
	Clarke International
	2a Shrubland Road
	London E10,7RB
	UK
Conformity Assessment Procedure:	to 2000/14/EC Annex VI
Manufacturer:	Clarke International
Noise Related Value:	3.75 kW
Measured Sound Power Level:	96dB
Guaranteed Sound Power Level:	97 dB

DECLARATION OF CONFORMITY (FG5100ES)

CE

Clarke® INTERNATIONAL

Hemnall Street, Epping, Essex CM16 4LG

DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following directive(s):

2004/108/EC Electromagnetic Compatibility Directive

2006/42/EC Machinery Directive.

2006/95/EC Low Voltage Equipment Directive

2000/14/EC Noise Emissions Directive (amended by 2005/88/EC).

97/68/EC Emission of Gaseous Particulates (amended by 2004/26/EC)

The following standards have been applied to the product(s):

EN 60204-1:1997+A1, EN 12601:2001, EN 55014-1:2006+A1:2009, EN 55014-2:2000, EN 55012:2002

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

The CE mark was first applied in: 2006

Signed:

J.A. Clarke

Director

FG5100ES-RV3

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