CHAMPION
GLOBAL POWER EQUIPMENT TM-MC

OPERATOR'S MANUAL

MODEL #500560-UK
2800W RATED PORTABLE GENERATOR

REGISTER YOUR PRODUCT ONLINE

at **championpowerequipment.co.uk**

OIL
NO OIL SUPPLIED IN UNIT
Add 10w30 Oil Before Use

Original Instructions

TAKE IT OUTSIDE™
TAKEYOURGENERATOROUTSIDE.COM

+44(0)-1942-715-407

or visit **www.championpowerequipment.co.uk**

SAVE THESE INSTRUCTIONS. This manual contains important safety precautions which should be read and understood before operating the product. Failure to do so could result in serious injury. This manual should remain with the product.

Specifications, descriptions and illustrations in this manual are as accurate as known at the time of publication, but are subject to change without notice.

REV 20220218

TABLE OF CONTENTS

INTRODUCTION

Congratulations on your purchase of a Champion Power Equipment (CPE) product. CPE designs, builds, and supports all of our products to strict specifications and guidelines. With proper product knowledge, safe use, and regular maintenance, this product should bring years of satisfying service.

Every effort has been made to ensure the accuracy and completeness of the information in this manual at the time of publication, and we reserve the right to change, alter and/or improve the product and this document at any time without prior notice.

CPE highly values how our products are designed, manufactured, operated, and serviced as well as providing safety to the operator and those around the generator. Therefore, it is IMPORTANT to review this product manual and other product materials thoroughly and be fully aware and knowledgeable of the assembly, operation, dangers and maintenance of the product before use. Fully familiarize yourself, and make sure others who plan on operating the product fully familiarize themselves too, with the proper safety and operation procedures before each use. Please always exercise common sense and always err on the side of caution when operating the product to ensure no accident, property damage, or injury occurs. We want you to continue to use and be satisfied with your CPE product for years to come.

When contacting CPE about parts and/or service, you will need to supply the complete model and serial numbers of your product. Transcribe the information found on your product's nameplate label to the table below

CPE TECHNICAL SUPPORT TEAM
MODEL NUMBER
500560-UK
SERIAL NUMBER
DATE OF PURCHASE
PURCHASE LOCATION

SAFETY DEFINITIONS

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

⚠ DANGER

DANGER indicates a hazardous situation which,if not avoided, will result in death or serious injury.

⚠ WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION

CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

NOTICE indicates information considered important, but not hazard-related (e.g., messages relating to property damage).

IMPORTANT SAFETY INSTRUCTIONS

⚠ DANGER

Generator exhaust contains carbon monoxide, a colorless, odorless, poisonous gas. Breathing carbon monoxide will cause nausea, dizziness, fainting or death. If you start to feel dizzy or weak, get to fresh air immediately.

OPERATE GENERATOR OUTDOORS ONLY IN A WELL VENTILATED AREA AND POINT EXHAUST AWAY FROM ANY WINDOW OR DOORS..

DO NOT operate the generator inside any building, outbuilding including garages, basements, crawlspaces, sheds, confined spaces vehicles and or enclosure of vehicle(s)

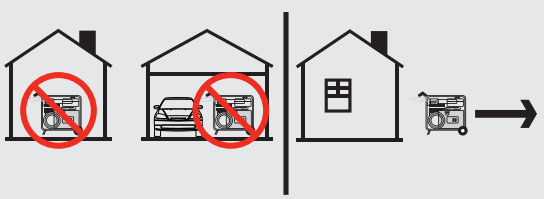
DO NOT allow exhaust fumes to enter a confined area through windows, doors, vents ,outbuilding or other openings.

⚠ DANGER

Using a generator indoors **CAN KILL YOU IN MINUTES**. Generator exhaust contains carbon monoxide. This is a poison you cannot see or smell.

NEVER use inside a home or garage,or any small or confined spaces including sheds & vehicles **EVEN IF** doors and windows are open.

ONLY use **OUTSIDE** and far away from windows, doors, and vents.



Install battery-operated carbon monoxide alarms or plug-in carbon monoxide alarms with battery back-up according to the manufacturer's instructions.

⚠ WARNING

Although the generator contains a spark arrester, maintain a minimum distance of 5 ft. (1.5 m) from dry vegetation and any window or doorsto prevent fires.

⚠ WARNING

Always maintain a minimum distance of 3ft (0.91m) around generator to allow for adequate cooling. Do Not cover, box in or enclose this generator otherwise it will overheat and risk fire.

⚠ DANGER

Operate equipment with guards in place.

Rotating parts can entangle hands, feet, hair, clothing and/or accessories. Traumatic amputation or severe laceration can result.

Keep hands and feet away from rotating parts and always wear PPE.

Tie up long hair and remove jewelry.

DO NOT wear loose-fitting clothing, dangling drawstrings or items that could become caught.

⚠ DANGER

Generator produces powerful voltage.

DO NOT touch bare wires or sockets.

DO NOT use electrical cords that are worn, damaged or frayed.Recommend use only Champion electrical cords for proper application.

DO NOT operate generator in wet weather including rain or snow.

DO NOT allow children or unqualified persons under the age of 18 to operate or service the generator.

Use a ground fault circuit interrupter (GFCI) in damp areas and areas containing conductive material such as metal decking.

Connection to your home's electrical system requires a listed 100A transfer switch installed by a licensed electrician and approved by the local authority having jurisdiction. The connection must isolate the generator from the utility power and must comply with all applicable laws and electrical codes in the country of origin.

⚠ WARNING

NEVER use generator for medical and life support uses.

In case of emergency, call emergency services immediately.

NEVER use this product to power life support devices or life support appliances.

NEVER use this product to power medical devices or medical appliances.

Inform your electricity provider immediately if you or anyone in your household depends on electrical equipment to live.

Inform your electrical provider immediately if a loss of power would cause you or anyone in your household to experience a medical emergency.

⚠ WARNING

Spark from removed spark plug wire can result in fire or electrical shock.

When servicing the generator:

Remove spark plug lead and place it where it cannot contact the plug or any other metal object.

DO NOT check for spark with the plug removed otherwise electric shock could occur.

Use only approved spark plug testers.

⚠ WARNING

Running engines produce heat. Severe burns can occur on contact. Combustible material can catch fire on contact.

NEVER touch any hot surfaces like engine or exhaust muffler.

Avoid contact with hot exhaust gases.

Allow equipment to cool for minimum 30mins before touching.

Maintain at least 3 ft. (91.4 cm) of clearance on all sides to ensure adequate cooling.

Maintain at least 5 ft. (1.5 m) of clearance from combustible materials and windows and doors.DO NOT cover or enclose otherwise you risk overheating and fire.

⚠ WARNING

Rapid retraction of the starter cord will pull hand and arm towards the engine faster than you can let go. Unintentional startup can result in entanglement, traumatic amputation or laceration. Broken bones, fractures, bruises or sprains could result.

When starting the engine, slowly pull cord until resistance is felt (compression point. Gently release cord back and use one strong rapid pull to start to avoid any kickback. If engine does not start repeat the process.

DO NOT rigorously or aggressively pull the cord otherwise you will damage cord or mechanism and void any warranty.

⚠ CAUTION

Exceeding the generator's running capacity can damage the generator and/or electrical devices connected to it.

DO NOT overload the generator.

DO NOT tamper with the governed speed.

DO NOT modify the generator in any way.

DO NOT modify or install any exhaust muffler extension or extraction.

⚠ CAUTION

Start the generator and allow the engine to stabilize before connecting electrical loads for at least 20-30mins.

With the circuit breaker in the 'OFF' position, and then turn the circuit breaker to the 'ON' position.

Always turn electrical equipment off and unplug any electrical cord before stopping the generator.

⚠ CAUTION

Improper treatment or use of the generator can damage it, shorten its life or void the warranty.

Use the generator only for intended uses.

Operate only on solid level surfaces and do not operate on uneven ground.

DO NOT expose generator to excessive moisture, dust, or dirt/soil/mud.

DO NOT allow any material to block the cooling slots.

If connected devices overheat, turn them off and disconnect them from the generator.

DO NOT use the generator if:

– Electrical output is lost.
– Equipment sparks, smokes or emits flames.
– Equipment vibrates excessively.

Fuel Safety

⚠ DANGER

PETROL VAPORS ARE HIGHLY FLAMMABLE AND EXPLOSIVE.

Fire or explosion can cause severe burns or death.

Petrol and petrol vapors:

- Petrol is highly flammable and explosive.
- Petrol can cause a fire or explosion if ignited.
- Petrol is a liquid fuel but it's vapors can ignite.
- Petrol is a skin irritant and needs to be cleaned up immediately if spilled on skin or clothes.
- Petrol has a distinctive odor, this will help detect potential leaks quickly.
- In any petroleum petrol fire, flames should not be extinguished unless by doing so the fuel supply valve can be turned OFF. This is because if a fire is extinguished and a supply of fuel is not turned OFF, then an explosion hazard could be created.
- Petrol expands or contracts with ambient temperatures. Never fill the fuel tank to full capacity, as petrol needs room to expand if temperatures rise.

When adding or removing petrol:

DO NOT light or smoke cigarettes.

Turn the generator off and let it cool for at least 30 mins before removing the petrol cap. Loosen the cap slowly to relieve pressure in the tank.

Only fill or drain petrol outdoors in a well-ventilated area away from building, garages or sheds including window and doors.

NEVER pump petrol directly into the generator at the filling station. Use an approved container to transfer the fuel to the generator.

DO NOT overfill the petrol tank.

E10 or E5 petrol only recommended.

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

When starting the generator:

DO NOT attempt to start a damaged generator.

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

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

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

When operating the generator:

DO NOT move or tip the generator during operation.

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

When transporting or servicing the generator:

Make certain that the fuel valve is in the OFF position and the petrol tank is empty.

Disconnect the spark plug wire.

When storing the generator:

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

Do not store generator or petrol near furnaces, water heaters, or any other appliances that produce heat or have automatic ignitions.

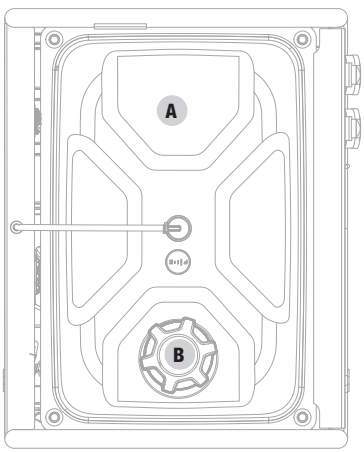
⚠ WARNING

Never use a petrol container, petrol tank, or any other fuel item that is broken, cut, torn or damaged.

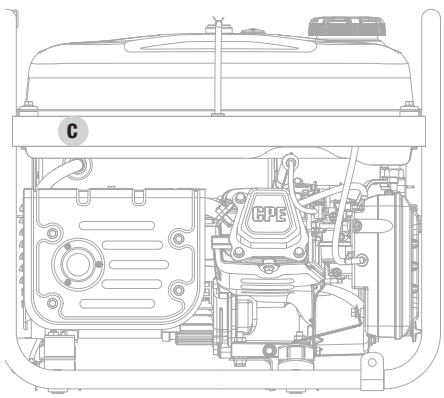
Safety Labels

These labels warn you of potential hazards that can cause serious injury. Read them carefully.

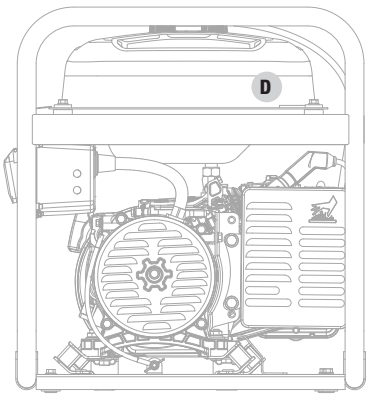
If a label comes off or becomes hard to read, contact Technical Support Team for possible replacement.



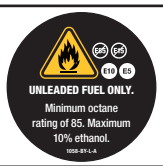
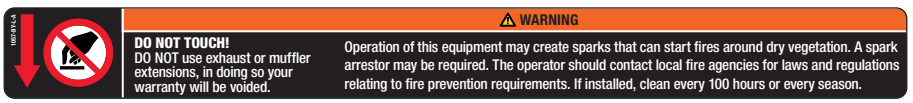
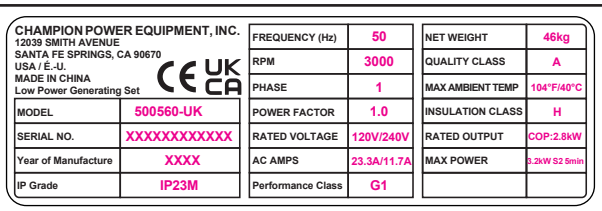
Top



Back

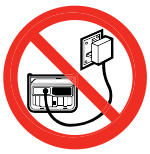


Side

	LABEL	DESCRIPTION
A		Safety Symbols/ CO Danger
B		Fuel
C		Hot Surface
D		Dataplate

Safety Symbols

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

	**Caution.**
	**Read The Operator's Instruction Manual Before Use.** To reduce the risk of injury, user must read and understand operator's manual before using this product.
	**Not For General Waste Disposal.**
	The generating set must not be connected to other power sources, such as the power company supply mains.
	**Electric Hazard.** Failure to use in dry conditions and to observe safe practices can result in electric shock. Improper connections to a building can allow current to backfeed into utility lines, creating an electrocution hazard. A transfer switch must be used when connecting to any building.
	**Fire Hazard.** Fuel and its vapors are extremely flammable and explosive. Fire or explosion can cause severe burns or death. Keep generator at least 5 feet (1.5m) from all objects to prevent combustion.
	**Risk Of Being Burnt.** To reduce the risk of injury or damage, avoid contact with any hot surface.
	**Carbon Monoxide(co) Danger.**
	**Wet Conditions Alert.** Do not expose to rain or snow use in damp locations except as follows: If you must operate in rain or damp locations, DO NOT operate without proper protection of the electrical components without using a suitable covering. Use of a safety canopy that is fire retardant and will provide proper air ventilation for the engines exhaust stream can be used. Keep all objects a minimum of 5 feet (1.5m) away from the generator at all times. Heat from the muffler surface and exhaust stream can ignite combustible materials.

Operation Symbols

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

SYMBOL	MEANING
	**ON**
	**STOP or OFF**
	**Circuit Breaker Reset: Flip**
	**Neutral Floating.** Neutral circuit **IS NOT** electrically connected to the frame/ ground of the generator.
	**Fuel/Petrol Valve ON/OFF**

SYMBOL	MEANING
	**Choke**
	**Run**
	**Ground Terminal**
	**Petrol Tank: Full**
	**Petrol Tank: Empty**

Quickstart Label Symbols

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

Starting the Engine

⚠ DANGER

Move generator outside and far away from windows, doors and intake ventilation covers.

1. **Check oil level.**
   Recommended oil is 10W-30 (Not Included).

Check petrol level.
When adding petrol, use a minimum octane rating of 85 and an ethanol content of 10% or less by volume E5 E10

2. Turn the fuel valve to **"ON"** position.
3. Press engine switch to the **"ON"** position.
4. Move choke lever to **"CHOKE"** position.
5. Pull the recoil starter.
6. Move the choke lever to **"RUN"** position.
7. Plug in desired device.

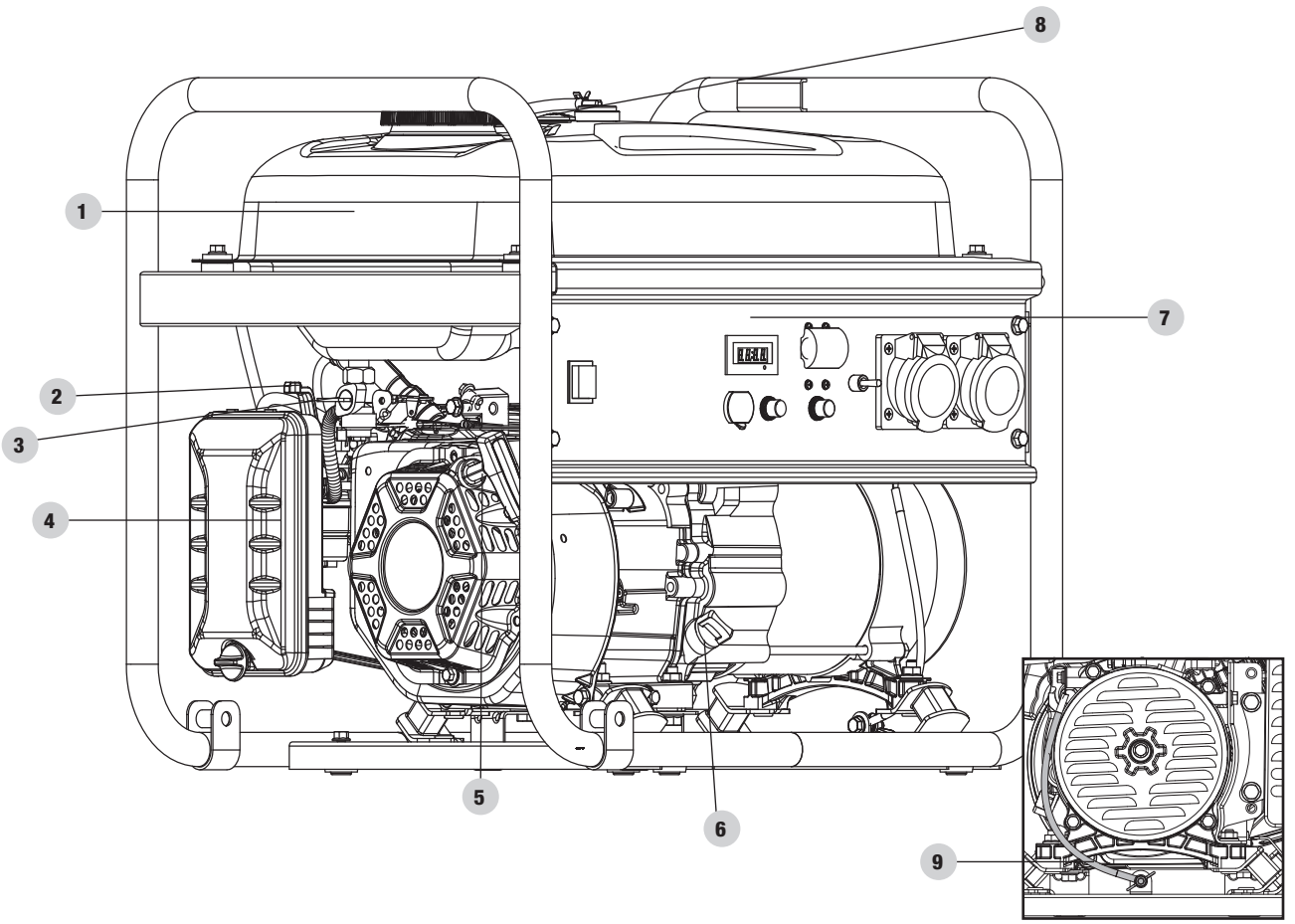
Stopping the Engine

1. Turn off and unplug all connected electrical loads.
2. Press the engine switch to the **"OFF"** position.
3. Turn the fuel valve to the **"OFF"** position.

CONTROLS AND FEATURES

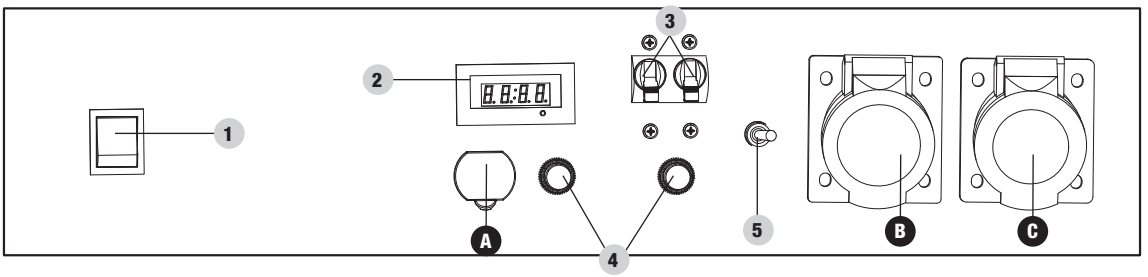
Read this operator's manual before operating your generator. Familiarize yourself with the location and function of the controls and features. Save this manual for future reference.

Generator



1. **Petrol Tank** – 4.7 gal. (17.8 L)
2. **Choke** – Used to start the engine.
3. **Fuel Valve** – Used to turn fuel supply on and off to engine.
4. **Air Filter** – Protects the engine by filtering dust and debris from the intake air
5. **Recoil Starter** – Used to manually start the engine
6. **Oil Fill Cap/Dipstick** – Used to check and fill oil level.
7. **Control Panel** – See "Control Panel" section.
8. **Fuel Gauge** – Indicates the amount of petrol in the fuel tank.
9. **Ground Terminal** – Consult an electrician for local grounding regulations.

Control Panel



1. **Engine Switch** – Used to put in START mode or STOP the generator.
2. **Intelligauge** – Four mode digital meter for displaying voltage, frequency (hertz), run time, and total run time.
3. **Circuit Breakers (Flip Reset)** – Protects the generator against electrical overloads on 120V/240V.
4. **Circuit Breakers (Push Reset)** – Protects the generator against electrical overloads on 120V/240V.
5. **Voltage switch** – Choose between 120V or 240V

RECEPTACLES		
A		**12V DC, 10A** May be used to supply electrical power for operation of 12 Volt DC, 10 Amp electrical loads.
B		**240V AC, 16A** May be used to supply electrical power for operation of 240 Volt AC, 16 Amp, single phase, 50 Hz electrical loads.
C		**120V AC, 16A** May be used to supply electrical power for operation of 120 Volt AC, 16 Amp, single phase, 50 Hz electrical loads.

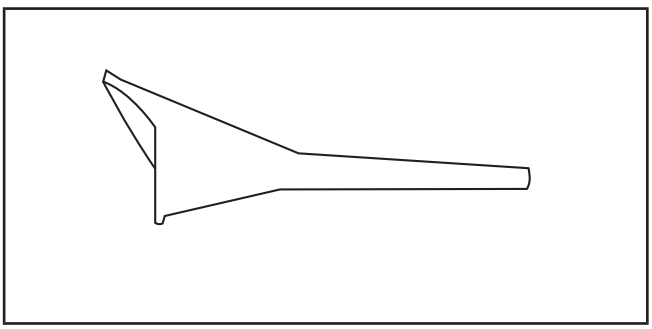
⚠ WARNING

Do not use both 240V AC and 12V DC together only use one at a time separately otherwise you can cause damage to equipment and(or) generator.

Parts Included

Accessories

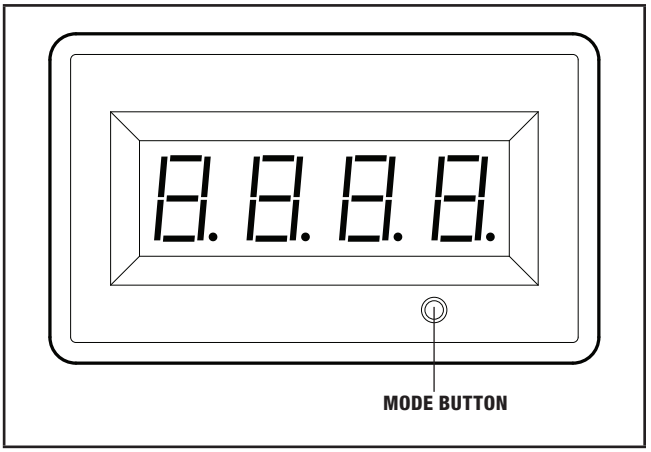
Oil Funnel.....1

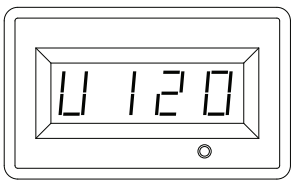
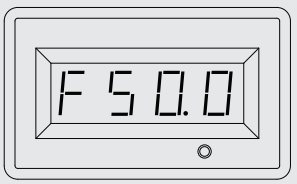


Intelligauge

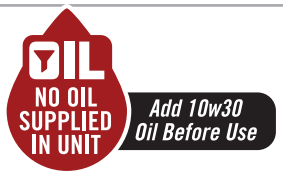
Four mode digital meter for displaying voltage, frequency (hertz), run time, and total run time.

The LCD displays each mode by pressing the button below the display.



MODE	DESCRIPTION	
Voltage (V)	Output voltage of the generator.	
	Example: 120 volts	
Frequency (F)	Output frequency in hertz.	
	Example: 50.0 hertz	
Run Time (R)	Run time of the generator for the current session	
	Example: 6 hours	
Total Run Time	Total run time of the generator since first operation	
	Example: 16 hours	

IMPORTANT



ASSEMBLY

Your generator requires some assembly. This unit ships from our factory without oil. It must be properly serviced with fuel and oil before operation.

If you have any questions regarding the assembly of your generator, call our Technical Support Team at . Please have your serial number and model number available.

Unpacking

1. Set the shipping carton on a solid, flat surface.
2. Remove everything from the carton except the generator.
3. Carefully cut each corner of the box from top to bottom. Fold each side flat on the ground to provide a surface area to work with the generator.

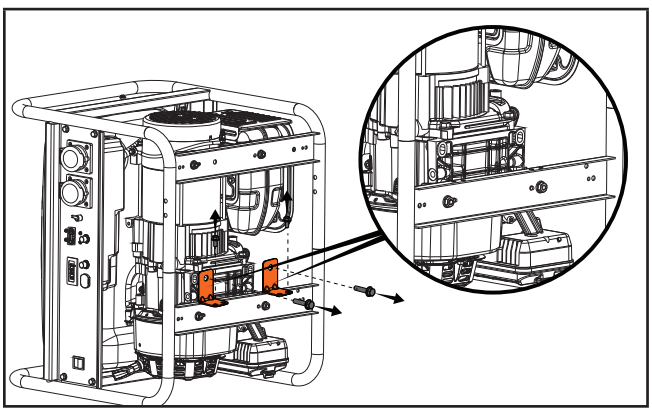
Remove Shipping Support Brackets

To protect the generator during shipping, support brackets have been installed between the engine and frame. These brackets MUST BE REMOVED BEFORE adding oil or petrol to the generator.

NOTICE

DO NOT attempt to run generator without removing the support brackets. Damage to the generator as a result of not following these instructions will void the warranty.

1. **BEFORE** filling the engine with oil or petrol, tip the generator onto it's recoil end. Tip onto the flattened cardboard box the generator came in or other protective surface so as to not scratch the frame.
2. Remove the bolts from the orange support brackets. Bolts and brackets can be discarded.
3. Tip the generator upright.



Add Engine Oil

⚠CAUTION

DO NOT attempt to crank or start the engine before it has been properly filled with the recommended type and amount of oil. Damage to the generator as a result of failing to follow these instructions will void your warranty.

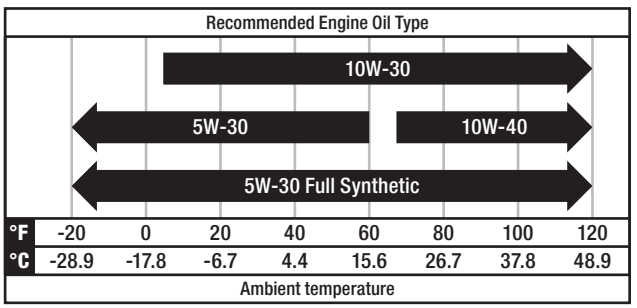
NOTICE

The generator rotor has a sealed, pre-lubricated ball bearing that requires no additional lubrication for the life of the bearing.

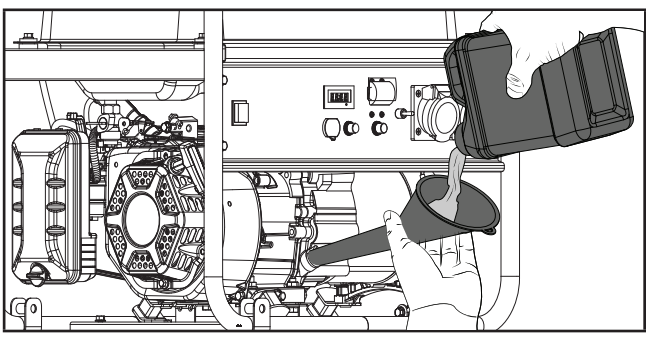
NOTICE

The recommended oil type for typical use is **10W-30 automotive oil**. (Not Included)

If running generator in extreme temperatures, refer to the following chart for recommended oil type.



1. Place the generator on a flat, level surface.
2. Remove oil fill cap/dipstick to add oil.
3. Using a funnel, add up to 20.3 fl. oz. / 0.6 qt. (0.6 L) of oil (no included) and replace oil fill cap/dipstick. DO NOT TIP GENERATOR WHEN FILLING OR OVERFILL OIL.



4. Check engine oil level at every use and add as needed.

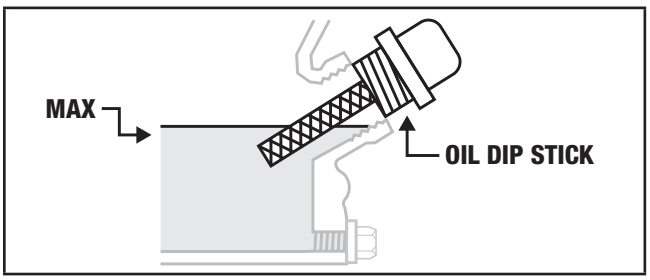
NOTICE

Once oil has been added, a visual check should show oil about 1-2 threads from running out of the fill hole.

When using the dipstick to check oil level, DO NOT screw in the dipstick while checking.

As general rule on a flat level surface oil is full when you can visually see it on the middle/upper threads of the port.

DO NOT overfill otherwise it will cause degraded engine performance and(or) damage to the engine resulting in voiding any warranty.



NOTICE

Check oil level often during the break-in period. Refer to the Maintenance section for recommended service intervals.

⚠CAUTION

This engine is equipped with a low oil shut-off and will stop when the oil level in the crankcase falls below the threshold level.

NOTICE

The first 5 hours of run time are the break-in period for the unit. During the break in period stay at or below 50% of the running watt rating and vary the load occasionally to allow stator windings to heat and cool. Adjusting the load will also cause engine speed to vary slightly and help seat piston rings. After the 5 hour break-in period, change the oil.

NOTICE

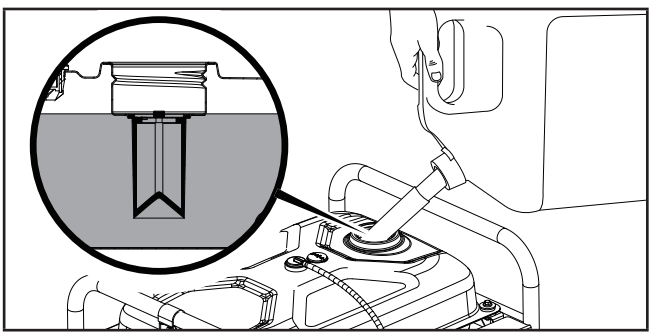
Synthetic oil may be used after the 5 hour initial break-in period. Using synthetic oil does not increase the recommended oil change interval. Full synthetic 5W-30 oil will aid in starting in cold ambient < 41° F (5° C) temperatures.

Add Fuel E5 E10

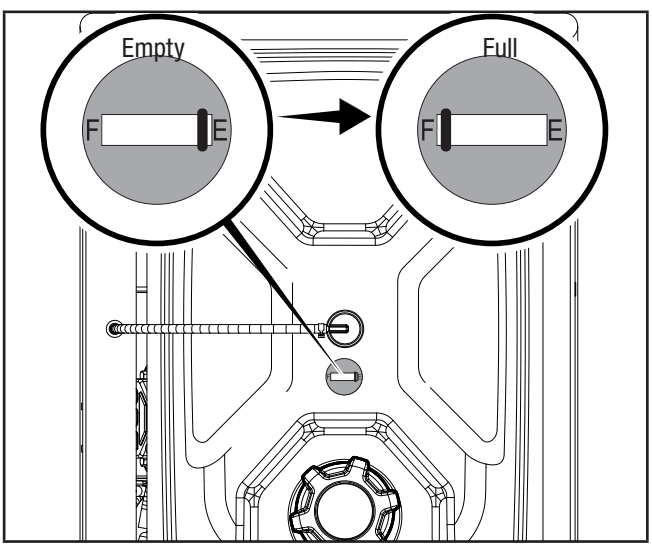
Use clean, fresh, regular unleaded petrol with a minimum octane rating of 85 and an ethanol content of 10% or less by volume. E5 E10

NEVER mix oil and petrol, this is a four stroke engine and requires separate oil and fuel.

1. Remove the petrol cap.
2. Slowly add petrol to the tank. Tank is full when petrol reaches red circle on screen. DO NOT OVERFILL. Petrol can expand after filling. A minimum of ¼ in. (6.4 mm) of space left in the tank is required for petrol expansion, although more than ¼ in. (6.4 mm) is recommended. Petrol can be forced out of the tank as a result of expansion if overfilled, and can affect the stable running condition of the generator.



3. The approximate fuel level is shown on the fuel gauge on top of the fuel tank.



4. Screw on the petrol cap and wipe away any spilled fuel.

⚠ CAUTION

Only use unleaded petrol with a minimum octane rating of 85 and an ethanol content of 10% or less by volume.

NEVER light cigarettes or smoke when filling the tank.

NEVER mix oil and petrol.

NEVER overfill the tank. Fill tank to approximately ¼ in. (6.4 mm) below the top of the tank to allow for petrol expansion.

NEVER pump petrol directly into the generator at the pump. Use an approved container to transfer the petrol to the generator.

NEVER fill fuel tank indoors, inside building and any out building or vehicles.

NEVER fill tank when the engine is running or hot, always allow minimum 30mins to cool down before refueling.

⚠ WARNING

Pouring petrol too fast through the fuel screen may result in petrol splashing over the generator and operator while filling.

NOTICE

The generator engine works well with 10% or less ethanol blend petrol. When using ethanol-petrol blends there are some issues worth noting:

- Ethanol-petrol blends can absorb more water than petrol alone.
- These blends can eventually separate, leaving water or a watery goo in the tank, fuel valve and carburetor. The compromised petrol can be drawn into the carburetor and cause damage to the engine and/or potential hazards.
- If a fuel stabilizer is used, confirm that it is formulated to work with ethanol-petrol blends.
- Any damages or hazards caused by using improper petrol, improperly stored petrol, and/or improperly formulated stabilizers, are not covered by manufacturer's warranty.

It is advisable to always shut off the petrol supply and run the engine to starvation after each use. See Storage instructions for extended non-use.

Grounding

Your generator must be properly connected to an appropriate ground to help prevent electric shock.

⚠ WARNING

Failure to properly ground the generator can result in electric shock.

A ground terminal connected to the frame of the generator has been provided (see Controls and Features for terminal location). For remote grounding, connect of a length of heavy gauge (12 AWG minimum) copper wire between the generator ground terminal and a copper rod driven into the ground. We strongly recommend that you consult with a qualified electrician to ensure compliance with local electrical codes.

Neutral Floating*

- Neutral circuit **IS NOT** electrically connected to the frame/ground of the generator.
- The generator (stator winding) is isolated from the frame and from the AC receptacle ground pin.
- Electrical devices that require a grounded receptacle pin connection will not function if the receptacle ground pin is not functional.

Neutral Bonded to Frame*

- Neutral circuit **IS** electrically connected to the frame/ground of the generator.
- The generator system ground connects lower frame cross-member below the alternator. The system ground is connected to the AC neutral wire.

**See your model's control panel for specified type of grounding.*

OPERATION

Generator Location

NEVER operate the generator inside any building, including garages, basements, crawlspaces and sheds, enclosure or compartment, including the generator compartment of a recreational vehicle. Please consult your local authority. In some areas, generators must be registered with the local utility. Generators used at construction sites may be subject to additional rules and regulations. Generators should be on a flat, level surface at all times. (Even while not in operation) Generators must have at least 5 ft. (1.5 m) of clearance from all combustible material. In addition to clearance from all combustible material, generators must also have at least 3 ft. (91.4 cm) of clearance on all sides to allow for adequate cooling, maintenance and servicing. Generators should never be started or operated in the back of a SUV, camper, trailer, in the bed of a truck (regular, flat or otherwise vehicle including), under staircases/stairwells, next to walls or vans or buildings, or in any other location that will not allow for adequate cooling of the

generator and/or the muffler. DO NOT contain generators during operation. Allow generators to properly cool before transport or storage.

Place the generator in a well-ventilated area. DO NOT place the generator near vents or intakes where exhaust fumes could be drawn into occupied or confined spaces. Carefully consider wind and air currents when positioning generator.

Failure to follow proper safety precautions will void manufacturer's warranty.

⚠ WARNING

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

Using a generator or electrical appliance in wet conditions, such as rain or snow, or near a pool or sprinkler system, or when your hands are wet, could result in electrocution.

⚠ WARNING

During operation the muffler and exhaust fumes will become hot. If adequate cooling and breathing space are not supplied, or if the generator is blocked or enclosed, temperatures can become extremely heated and may lead to fire.

DO NOT modify or install any exhaust muffler extension or extraction otherwise it will cause degraded engine performance and(or) damage the engine resulting is voiding any warranty.

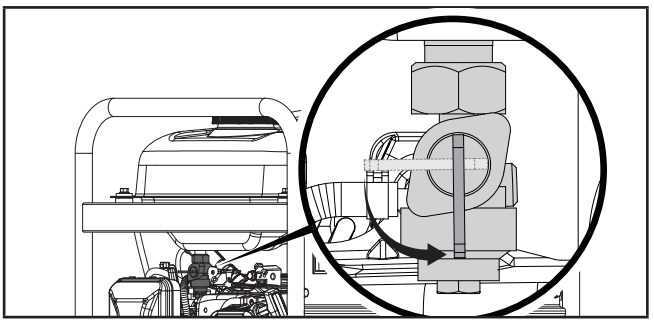
Surge Protection

Electronic devices, including computers and many programmable appliances use components that are designed to operate within a narrow voltage range and may be affected by momentary voltage fluctuations. While there is no way to prevent voltage fluctuations, you can take steps to protect sensitive electronic equipment.

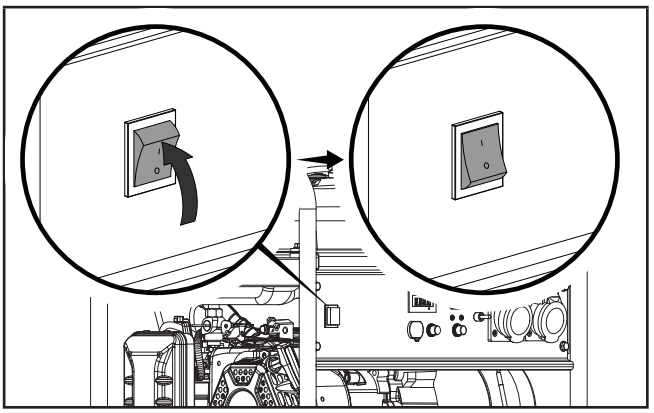
– Install plug-in surge suppressors on the outlets feeding your sensitive equipment.
Surge suppressors come in single- or multi-outlet styles. They're designed to protect against virtually all short-duration voltage fluctuations.

Starting the Engine

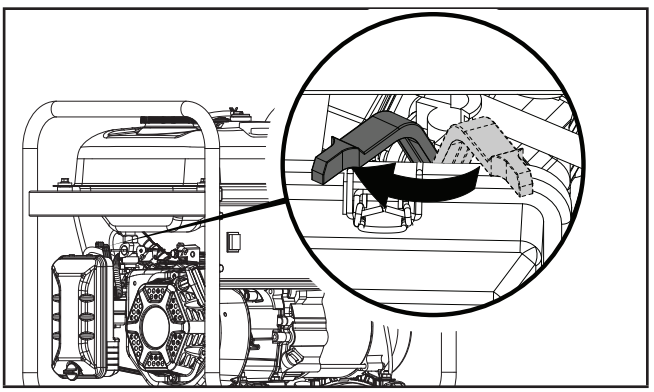
1. Make certain the generator is on a flat, level surface.
2. Disconnect all connected electrical loads from the generator. Never start or stop the generator with electrical devices plugged in or turned on.
3. Turn the petrol fuel valve to the "ON" position.



4. Push the engine switch to the "ON" position.



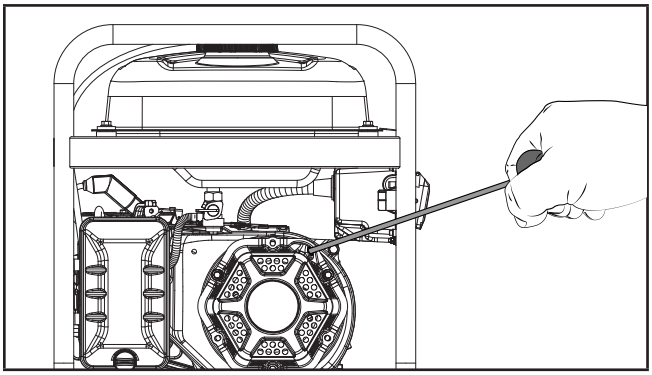
5. Move the choke to the CHOKE position. Note: for restarting a warm engine, move the choke to 75% of the CHOKE position.



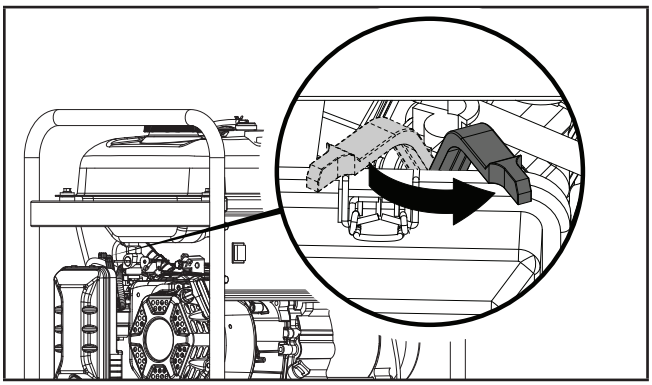
6. Gently pull the cord until resistance is felt (compression point), slowly release cord back and use one strong rapid pull to start. If engine does not start repeat process. DO NOT rigorously or aggressively pull cord.

NOTICE

Gently pull the cord until resistance is felt (compression point), slowly release cord back and use one strong rapid pull to start. If engine does not start repeat process. DO NOT rigorously or aggressively pull cord otherwise it will damage cord or mechanism resulting is voiding any warranty.



7. As soon as engine starts, move the choke to the “RUN” position over a 2-5 second duration.



8. Connect electrical loads.

NOTICE

Keep choke in “CHOKE” position for only 1 pull of the recoil starter. After first pull, move choke to “RUN” position for up to 3 pulls of the recoil starter. Too much choke leads to spark plug fouling/engine flooding due to lack of incoming air. This will cause the engine not to start.

NOTICE

For petrol restarts with hot engine in hot ambient temperature > 86°F (30°C), keep choke in 75% of the “CHOKE” position for only 1 pull of the recoil starter. After first pull, move choke to “RUN” position for up to 3 pulls of the recoil starter. Too much choke leads to spark plug fouling/engine flooding due to lack of incoming air. This will cause the engine not to start.

NOTICE

For petrol starting in cold ambient temperature < 59°F (15°C), the choke must be in 100% of the “CHOKE” position for recoil start procedures. Do not over-choke. As soon as engine starts, gradually move the choke lever to the “RUN” position over a 2-5 second duration.

NOTICE

If the engine starts but does not run make certain that the generator is on a flat, level surface. The engine is equipped with a low oil sensor that will prevent the engine from running when the oil level falls below a critical threshold.

Connecting Electrical Loads

Let the engine stabilize and warm up for a few minutes after starting.

Plug in and turn on the desired 120 or 240 (if applicable) Volt AC single phase, 50 Hz electrical loads.

– DO NOT connect 3-phase loads to the generator.

– DO NOT overload the generator.

– NEVER use both 120V/240V or DC12V together they MUST be used separately.

⚠ WARNING

Connecting a generator to your electric utility company’s power lines or to another power source may be against the law. In addition this action, if done incorrectly, could damage your generator and appliances and could cause serious injury or even death to you or a utility worker who may be working on nearby power lines. If you plan to run a portable electric generator during an outage, please notify your electric utility company immediately and remember to plug your appliances directly into the generator. Do not plug the generator into any electric outlet in your home. Doing so could create a connection to the utility company power lines. You are responsible for ensuring that your generator’s electricity does not feed back into the electric utility power lines.

If the generator will be connected to a building electrical system, consult your local utility company or a qualified electrician. Connections must isolate generator power from utility power and must comply with all applicable laws and codes.

Do Not Overload Generator

Capacity

Follow these simple steps to calculate the running and starting watts necessary for your purposes:

1. Select the electrical devices you plan on running at the same time.
2. Total the running watts of these items. This is the amount of power you need to keep your items running.
3. Identify the highest starting wattage of all devices identified in step 1. Add this number to the number calculated in step 2. Starting wattage is the surge of power needed to start some electric driven equipment. Following the steps listed under “Power Management” will guarantee that only one device will be starting at a time.

Power Management

Use the following formula to convert voltage and amperage to watts:

Volts × Amps = Watts

To prolong the life of your generator and attached devices, follow these steps to add electrical load:

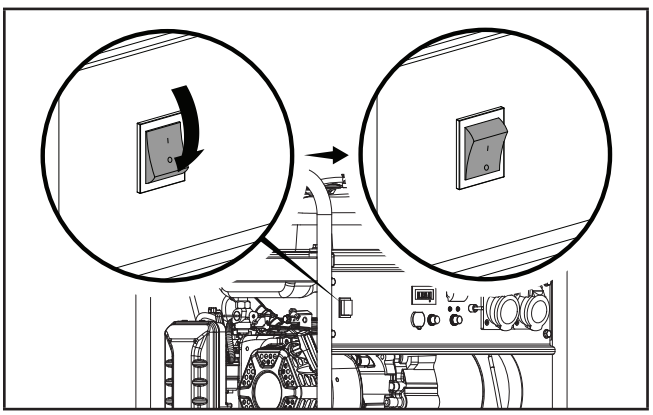
1. Start the generator with no electrical load attached.
2. Allow the engine to run for several minutes to get up to temperature.
3. Plug in and turn on the first item. It is best to attach the item with the largest load first.
4. Allow the engine to stabilize.
5. Plug in and turn on the next item.
6. Allow the engine to stabilize.
7. Repeat steps 5-6 for each additional item.

NOTICE

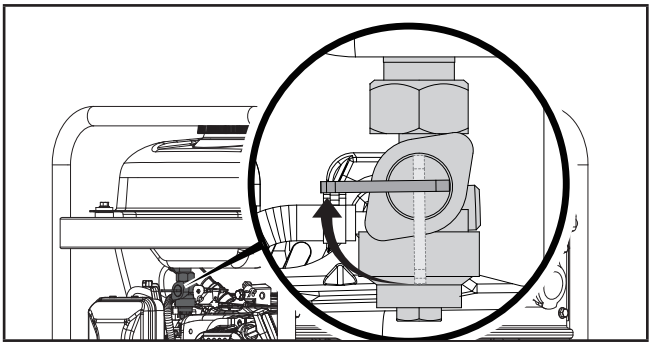
Never exceed the specified capacity when adding loads to the generator.

Stopping the Engine

1. Turn off and unplug all connected electrical loads. Never start or stop the generator with electrical devices plugged in or turned on.
2. Let the generator run at no-load for several minutes to stabilize internal temperatures of the engine and generator.
3. Press the engine switch to the “OFF” position.



4. Turn the fuel valve to the “OFF” position.



Important: Always ensure that the fuel valve and the engine switch are in the “OFF” position when the generator is not in use.

NOTICE

If the engine will not be used for a period of two (2) weeks or longer, please see the Storage section for proper engine and fuel storage.

Operation at High Altitude

The density of air at high altitudes is lower than at sea level. Engine power is reduced as the air mass and air-fuel ratio decrease. Engine power and generator output will be reduced approximately 3½% for every 1000 ft. of elevation above sea level. At high altitudes increased exhaust emissions can also result due to the increased enrichment of the air fuel ratio. Other high altitude issues can include hard starting, increased fuel consumption and spark plug fouling.

To alleviate high altitude issues other than the natural power loss, CPE can provide a high altitude carburetor main jet. The alternative main jet and installation instructions can be obtained by contacting our Technical Support Team. Installation instructions are also available in the Technical Bulletin area of the CPE website.

The part number and recommended minimum altitude for the application of the high altitude carburetor main jet is listed in the following table.

In order to select the correct high altitude main jet it is necessary to identify the carburetor model. For this purpose, a code is stamped on the side of the carburetor. Select the correct high altitude jet part number corresponding to the carburetor code found on your particular carburetor.

Carb. Code	High Alt. Jet Part Number	Min. Altitude
100750076	100005754	3281 ft. (1000 m)
	100005765	6562 ft. (2000 m)

⚠ WARNING

Operation using the alternative main jet at elevations lower than the recommended minimum altitude can damage the engine. For operation at lower elevations, the originally supplied standard main jet must be used. Operating the engine with the wrong engine configuration at a given altitude may increase its emissions and decrease fuel efficiency and performance.

MAINTENANCE

Make certain that the generator is kept clean and stored properly. Only operate the unit on a flat, level surface in a clean, dry operating environment. DO NOT expose the unit to extreme conditions, excessive dust, dirt, moisture or corrosive vapors.

⚠ WARNING

Never operate a damaged or defective generator.

⚠ WARNING

The owner/user is responsible for all service and period maintenance including oil, filters, spark plug, spark arrestor and valve adjustments.

Improper service and maintenance will void any warranty.

NOTICE

For Emission control devices and systems, read and understand your responsibilities for service as stated in the Emission Control Warranty Statement of this manual.

Cleaning the Generator

⚠ CAUTION

DO NOT jet wash spray generator directly with water by doing so will void any warranty offered.

Water can enter the generator through the cooling slots and damage the generator windings. It can also contaminate the fuel system.

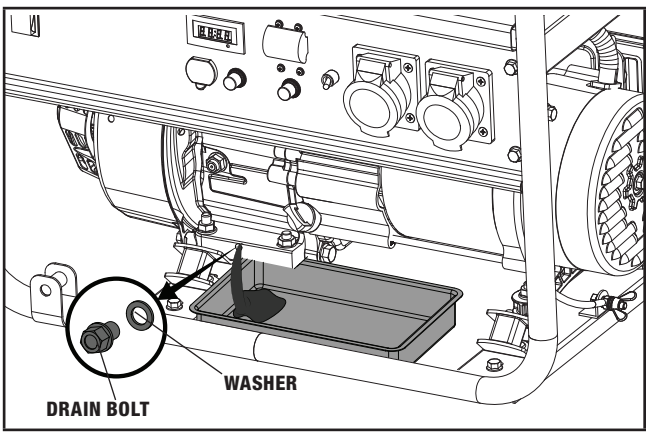
1. Use a damp cloth to clean exterior surfaces of the generator.
2. Use a soft bristle brush to remove dirt and oil.
3. Use an air compressor (25 PSI) to clear dirt and debris from the generator.
4. Inspect all air vents and cooling slots to ensure that they are clean and unobstructed.

To prevent accidental starting, remove and ground the spark plug wire before performing any service.

Changing the Engine Oil(Recommended 10W-30)

Change oil when the engine is warm. Refer to the oil specification to select the proper grade for your operating environment.

1. Remove the oil drain bolt and washer with a 10 mm socket (not included) and extension.
2. Allow the oil to drain completely into an appropriate container.



3. Replace the oil drain bolt and washer.
4. Remove the oil fill cap/dipstick to add oil.
5. Add oil according to “Add Engine Oil” on Assembly section. DO NOT OVERFILL. Oil not included for routine maintenance.
6. Dispose of used oil at an approved waste management facility.

NOTICE

Once oil has been added, a visual check should show oil about 1-2 threads from running out of the fill hole. If using the dipstick to check oil level, DO NOT screw in the dipstick while checking.

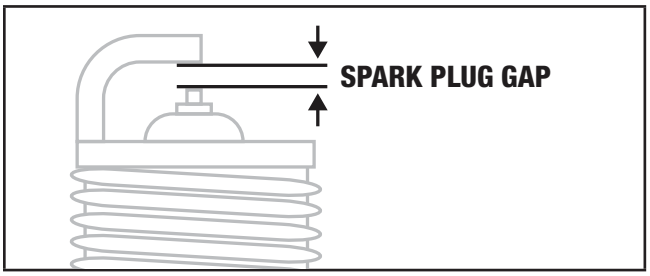
As a general rule on a flat level surface oil is full when it can be visually seen on the middle/upper threads of the port.

DO NOT tip generator when filling or overfill oil otherwise it will result in degraded engine performance and(or) damage to the engine resulting in voiding any warranty.

Cleaning and Adjusting the Spark Plug

1. Remove the spark plug lead from the spark plug.
2. Use a spark plug socket tool (not included), or a 13/16 in. (21 mm) socket (not included) to remove the plug.

3. Inspect the electrode on the plug. It must be clean and not worn to produce the spark required for ignition.
4. Make certain the spark plug gap is 0.024-0.031 in. (0.6-0.8 mm).



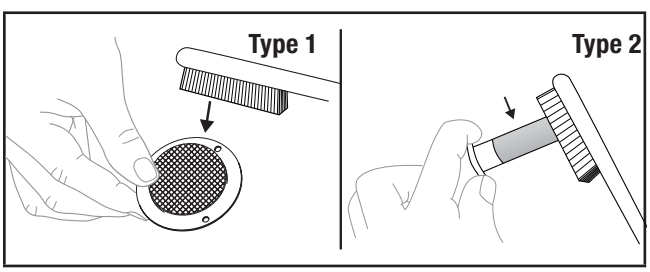
5. Refer to the spark plug types in Specifications when replacing the plug.
6. Firmly re-install the plug.
7. Attach the spark plug cable to the spark plug.

Cleaning the Air Filter

1. Remove the snap-on cover holding the air filter to the assembly.
2. Remove the foam element.
3. Wash in liquid detergent and water. Squeeze thoroughly dry in a clean cloth.
4. Saturate in clean engine oil.
5. Squeeze in a clean, absorbent cloth to remove all excess oil.
6. Place the filter in the assembly.
7. Reattach the air filter cover and snap in place.

Cleaning the Spark Arrestor

1. Allow the engine to cool completely before servicing the spark arrestor.
2. Remove the two or three screws (varies by model) holding the cover plate which retains the spark arrestor to the muffler.
3. Remove the spark arrestor screen.
4. Carefully remove the carbon deposits from the spark arrestor screen with a wire brush.



**See your model's parts list for specified type of spark arrestor.*

5. Replace the spark arrestor if it is damaged.
6. Position the spark arrestor on the muffler and attach with the screws removed in step 2.

⚠ CAUTION

Failure to check and clean the spark arrestor will cause degraded engine performance, recommended check every 100 hours. Improper maintenance will result in voiding any warranty.

NOTICE

Federal and local laws and administrative requirements indicate when and where spark arrestors are required. When ordered, spark arrestors are required for operation of this generator in National Forest lands. In California, this generator must not be used on any forest-covered land, brush-covered land, or grass-covered land unless the engine is equipped with a spark arrestor.

Adjusting the Governor

⚠ WARNING

Tampering with the factory set governor or any engine setting will void your warranty.

The air-fuel mixture is not adjustable. Tampering with the governor can damage your generator and your electrical devices and will void your warranty. Contact our Technical Support Team for all other service and/or adjustment needs.

Maintenance Schedule

Follow the service intervals indicated in the following maintenance schedule.

Service your generator more frequently when operating in adverse or frequently conditions.

Contact our Technical Support Team at to locate the nearest CPE certified service dealer for your generator or engine maintenance needs.

EVERY 8 HOURS OR PRIOR TO EACH USE

- ☐ Check oil level
- ☐ Clean around air intake and muffler

FIRST 5 HOURS (BREAK IN)

- ☐ Change oil

EVERY 50 HOURS OR ANNUALLY

- ☐ Clean air filter
- ☐ Change oil if operating under heavy load or in hot environments

EVERY 100 HOURS OR ANNUALLY

- ☐ Change oil
- ☐ Clean/adjust spark plug
- ☐ Check/adjust valve clearance*
- ☐ Clean spark arrestor
- ☐ Clean fuel tank and filter*

EVERY 250 HOURS

- ☐ Clean combustion chamber**

EVERY 3 YEARS

- ☐ Replace fuel line*

** To be performed by knowledgeable, experienced owners or CPE certified service centers all Chargeable.*

STORAGE

⚠ DANGER

Petrol vapors are highly flammable and extremely explosive.

Fire or explosion can cause severe burns or death. Only fill or drain fuel outdoors in a well-ventilated area. DO NOT pump petrol directly into the generator. Use an approved container to transfer the fuel to the generator. Never use a petrol container, petrol tank, or any other fuel item that is damaged or appears damaged. DO NOT overfill the petrol tank. Always keep fuel away from sparks, open flames, pilot lights, heat and other sources of ignition.
DO NOT light or smoke cigarettes.

Short Term Storage (up to 30 days)

Petrol may gum up and clog the carburetor if the generator is not run or carburetor drained within 4 weeks.

1. Be sure all appliances are disconnected from the generator.
2. Start the generator as instructed in “Starting the Engine” section.
3. Turn the fuel valve to the “OFF” position.
4. Let the engine run until fuel starvation has stopped the engine. This usually takes a few minutes.
5. Move the engine switch to the “OFF” position.

Mid Term Storage (30 days – 1 year)

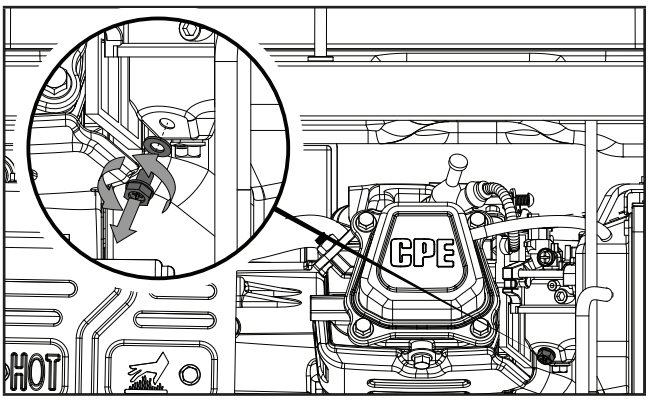
Petrol in the tank has a maximum shelf life of up to 1 year with the addition of a properly formulated fuel stabilizer and stored in a cool, dry place.

1. Be sure all appliances are disconnected from the generator.
2. Add a properly formulated fuel stabilizer to the petrol tank.
3. Turn the fuel valve to the “ON” position.
4. Start and run the generator for 10 minutes so the treated petrol cycles through the fuel system.
5. **Option 1: Drain Petrol from Carburetor**

   5a. Turn engine switch to the “OFF” position and allow generator to cool completely before continuing.

   5b. Turn the fuel valve to the “OFF”.

   5c. Use the drain bolt on the carburetor to empty any excess petrol from the carburetor into an appropriate container. Use a funnel (and appropriate hose if necessary) under the carburetor drain bolt to avoid spillage.



   5d. When petrol stops flowing from the carburetor, replace and tighten the carburetor drain bolt and be sure to properly dispose of the drained petrol according to local regulations or guidelines.

6. **Option 2: Run Dry**

   6a. With the generator running, turn the fuel valve to the “OFF” position and allow the generator to run until the engine stops from complete fuel starvation. This may take a few minutes.

   6b. Turn engine switch to the “OFF” position and allow generator to cool completely before continuing.

7. Remove the spark plug cap and spark plug and pour about a tablespoon of oil into the cylinder.
8. Pull the recoil slowly to crank the engine to distribute the oil and lubricate the cylinder.
9. Install the spark plug and spark plug cap.
10. Clean the generator according to Cleaning the Generator.

11. Store the generator in a cool, dry place out of direct sunlight.

Long Term Storage (over 1 year)

For storage over 1 year, the petrol tank and carburetor must be completely drained of petrol.

1. Follow steps 1-4 according to Mid Term Storage.

   1a. Turn engine switch to the “OFF” position and allow generator to cool completely before continuing.

2. Use the drain bolt on the carburetor to empty any excess petrol from the petrol tank and carburetor into an appropriate container. Use a funnel (and appropriate hose if necessary) under the carburetor drain bolt to avoid spillage.
3. When petrol stops flowing from the carburetor, replace and tighten the carburetor drain bolt and be sure to properly dispose of the drained petrol according to local regulations or guidelines.
4. Turn the fuel valve to the “OFF” position.
5. Follow steps 8-11 according to Mid Term Storage.

Transportation

To prevent fuel spillage when transporting or during temporary storage, the generating set should be secured upright in its normal operating position, with the engine switch OFF. The fuel valve lever should be turned OFF.

⚠ WARNING

When transporting:

Do not overfill the tank. Do not operate the generating set while it is on vehicle. Take the generating set off the vehicle and use it in a well-ventilated place. Avoid a place exposed to direct sunlight when putting the generating set on a vehicle. If the generating set is left in an enclosed vehicle for many hours, high temperature inside the vehicle could cause fuel to vaporize resulting in a possible explosion. Do not drive on a rough road for an extended period with the generating set on board. If you must transport the generating set on a rough road, drain the fuel from the generating set beforehand.

Removing from Storage

If the generator has been improperly stored for a long period of time with petrol in the petrol tank and/or carburetor, all fuel must be drained and the carburetor must be thoroughly cleaned. This process involves technically advanced tasks. For assistance please call our Technical Support Team.

If the petrol tank and carburetor were properly emptied of all petrol prior to the generator being stored, follow the below steps when removing from storage.

1. Be sure the engine switch is in the “OFF” position.
2. Add petrol to the generator according to Add Fuel: Petrol.
3. Turn the fuel valve to the “ON” position.
4. After 5 minutes check the carburetor and air filter areas for any leaking petrol. If any leaks are found, the carburetor will need to be disassembled and cleaned or replaced. If no petrol leaks are found, turn the fuel valve to the “OFF” position.
5. Check engine oil level and add clean, fresh oil if needed. See Oil Specifications for proper oil type.
6. Check and clear air filter of any obstructions such as bugs or cobwebs. If necessary, clean air filter according to Cleaning the Air Filter.
7. Start the generator according to Starting the Engine.

SPECIFICATIONS

Generator Specifications

Generator Model	500560-UK
Start Type	Manual
Watts (Max/Running)	3200/2800
AC Volts	120/240
AC Amps @ 120V	23.3
AC Amps @ 240V	11.7
Frequency	50 Hz
Max site altitude of installation	1500m
Measured sound pressure level (7m)	68 dB(A)
Measured sound pressure level (4m)	72 dB(A)
Noise measurement uncertainty	≤1.5 dB(A)
Guaranteed sound power level	96 dB(A)
Phase	Single
Weight	101.4 lb. (46 kg)
Length	24.8 in. (63 cm)
Width	23.6 in. (59.9 cm)
Height	22 in. (56 cm)

Engine Specifications

Model	GB225
Displacement	224 cc
Type	4-Stroke OHV

Spark Plug

OEM Type	F6RTC
Replacement Type	NGK BPR6ES or equivalent
Gap	0.024-0.031 in. (0.6-0.8 mm)

Valve

Intake Clearance	0.004-0.006 in. (0.10-0.15 mm)
Exhaust Clearance	0.006-0.008 in. (0.15-0.20 mm)

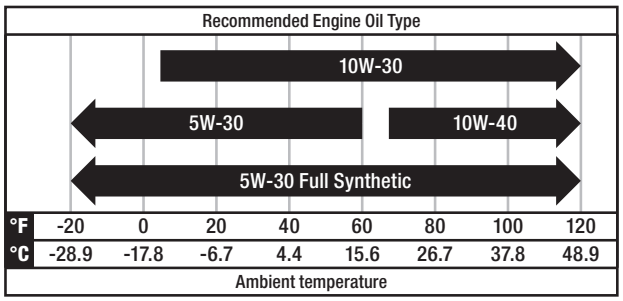
NOTICE

A technical bulletin regarding valve adjustment procedures is available at www.championpowerequipment.co.uk

Oil Specifications

DO NOT OVERFILL.

Type	*See chart below
Capacity	20.3 fl. oz. / 0.6 qt. (0.6 L)



NOTICE

Temperature will affect engine oil and engine performance. Change the type of engine oil used based on the temperature to suit the engine needs.

Fuel Specifications

Use unleaded petrol with a minimum octane rating of 85 and an ethanol content of 10% or Use Only E5 E10 E5 E10 . DO NOT USE E15 or E85. DO NOT OVERFILL.

Petrol Capacity	4.7 gal. (17.8 L)

Temperature Specifications

Starting Temperature Range (°F/°C)	5 to 104/-15 to 40

NOTICE

An important message about temperature: Your product is designed and rated for continuous operation at ambient temperatures up to 104°F (40°C). When needed, it may be operated at temperatures ranging from 5°F (-15°C) to 122°F (50°C) for short periods of time. If exposed to temperatures outside this range during storage, it should be brought back within this range before operation. In any event, the product must always be operated outdoors, in a well-ventilated area and away from doors, windows and vents.

Figure A Parts Diagram

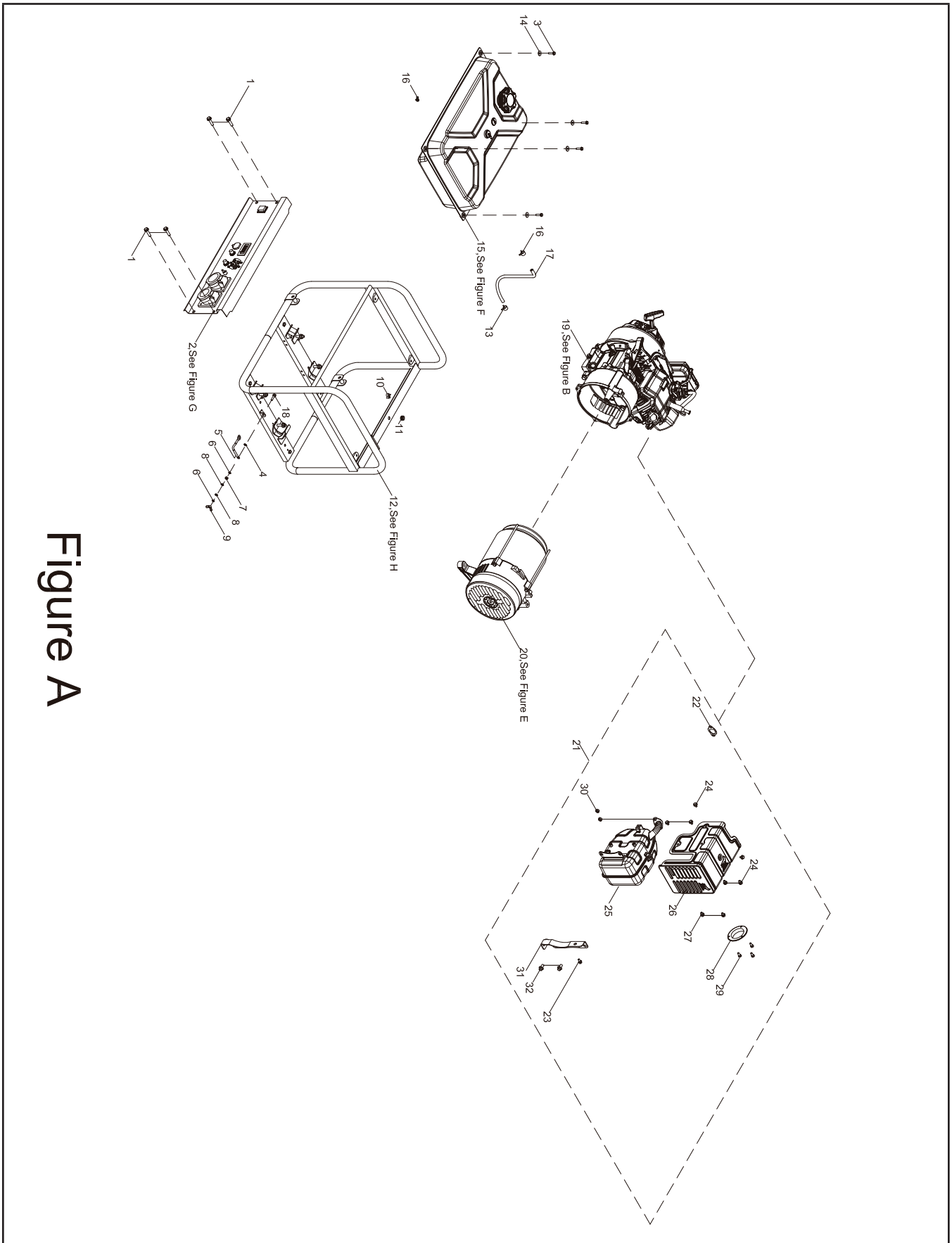


Figure A Part List

#	Part Number	Description	Qty.
1	100011261-0013	Flange Bolt M6 x 12, GB5789	4
2	100734626-0001	Control Panel Assembly, See Figure G	1
3	100011268-0008	Flange Bolt M6 x 25	4
4	100011025-0001	Lock Washer Ø6, Toothed	1
5	100751713-0001	Grounding Wire	1
6	100010886-0004	Spring Washer Ø6	2
7	100011421-0013	Flange Nut M6, GB6170	1
8	100010920-0002	Flat Washer Ø6	2
9	100010828-0003	Butterfly Type Nut M6	1
10	100000667	Clamp Ø8 x 8	1
11	100009075	Rubber Damper	1
12	100757300	Frame Assembly, See Figure H	1
13	100005127	Clamp Ø11 x 10	1
14	100010439-0001	Washer Ø6.5 x 2 x Ø25	4
15	100750073	Fuel Tank Assembly, See Figure F	1
16	100005148	Calmp, Ø8	2
17	100720118-0001	Connection Tube	1
18	100011269-0012	Flange Bolt M6 x 28	1
19	1ZC7DFN28	Engine, 224 cc	1
20	100750074	Alternator Assembly, See Figure E	1
21	100733751	Muffler Assembly	1
22	100757369	Gasket, Muffler	1
23	100011261-0014	Flange Bolt M6 x 12	1
24	100097575-0002	Flange Bolt M6 x 10	3
25	100724736	Muffler	1
26	100724737	Muffler Guard	1
27	100721012-0002	Flange Bolt M6 x 8, QC340	5
28	100724738	Spark Arrester Assembly	1
29	100147110-0002	Flange Bolt M4 x 8	3
30	100011422-0017	Flange Nut M8	2
31	100751213-0001	Muffler Bracket	1
32	100011230-0004	Flange Bolt M8 x 16, GB5787	2

Figure E Parts Diagram

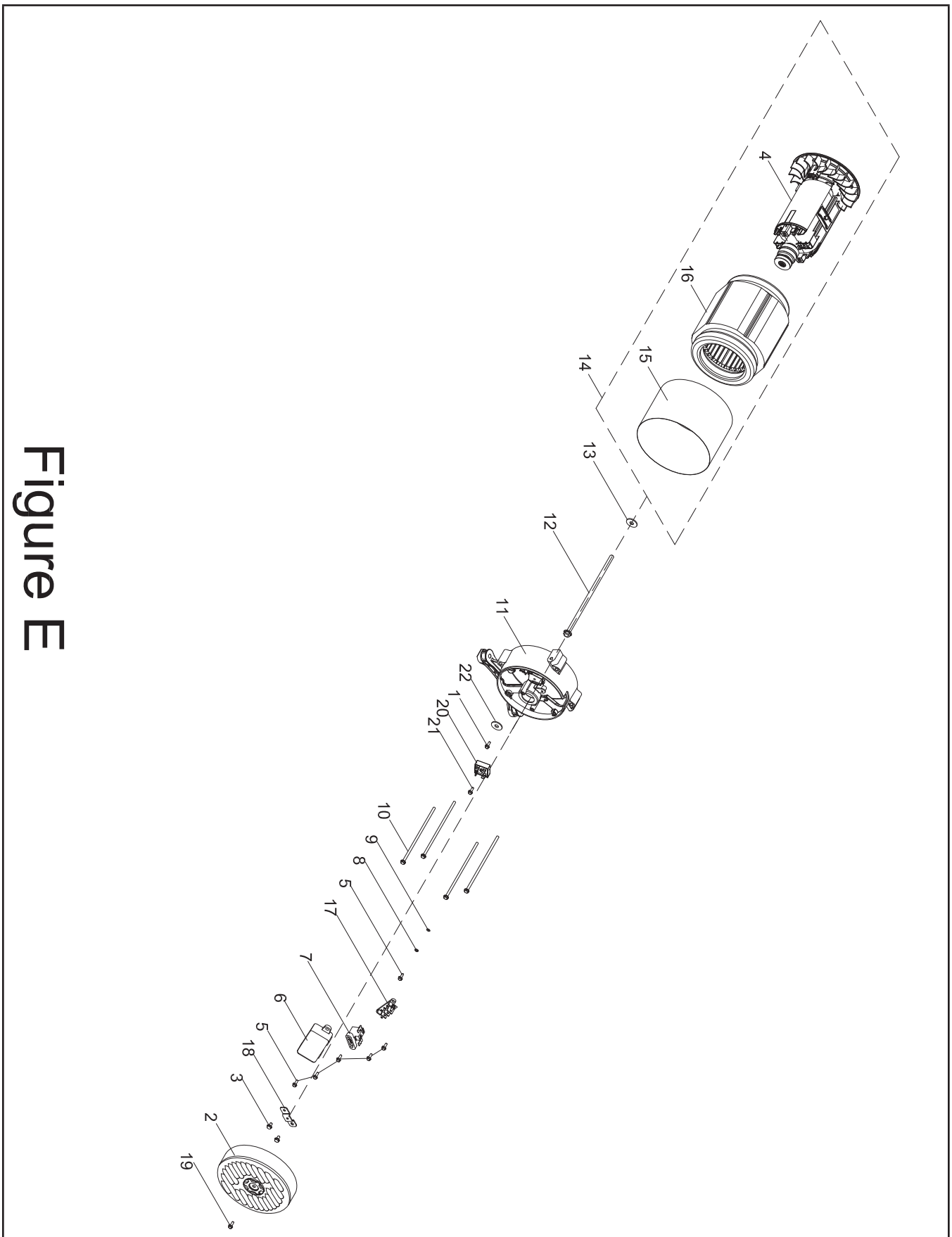


Figure E Part List

#	Part Number	Description	Qty.
1	100011261-0014	Flange Bolt M6 x 12, GB5789	1
2	100751214-0002	Generator End Cover, Yellow	1
3	100011250-0004	Flange Bolt M5 x 14	2
4	100735649	Rotor Assembly, Al, Ø95 x130mm	1
5	100011252-0003	Flange Bolt M5 x 18	6
6	100018603-0002	AVR	1
7	100018592	Carbon Brush Assembly	1
8	100010885-0004	Spring Washer Ø5	1
9	100010919-0002	Flat Washer Ø5	1
10	100011299-0002	Flange Bolt M6 x 175	4
11	100750811	End Housing	1
12	100148753-0002	Flange Bolt M8 x 1 x 230	1
13	100010899-0005	Washer Ø8	1
14	100734620-0001	Alternator Assembly, Al, Ø160 x 130 mm	1
15	100161949	Stator Cover, 122.5 mm	1
16	100735648	Stator Assembly, Al, Ø160 x 130 mm	1
17	100018701	Terminal Block	1
18	100722067-0001	Support Block	1
19	100011527-0005	Flange Bolt M6 x 8	1
20	100019787-0001	Rectifier Bridge, Capacitance	1
21	100076063-0003	Flange Bolt M5 x 25	1
22	100010920-0002	Flat Washer Ø6	1

Figure F Parts Diagram

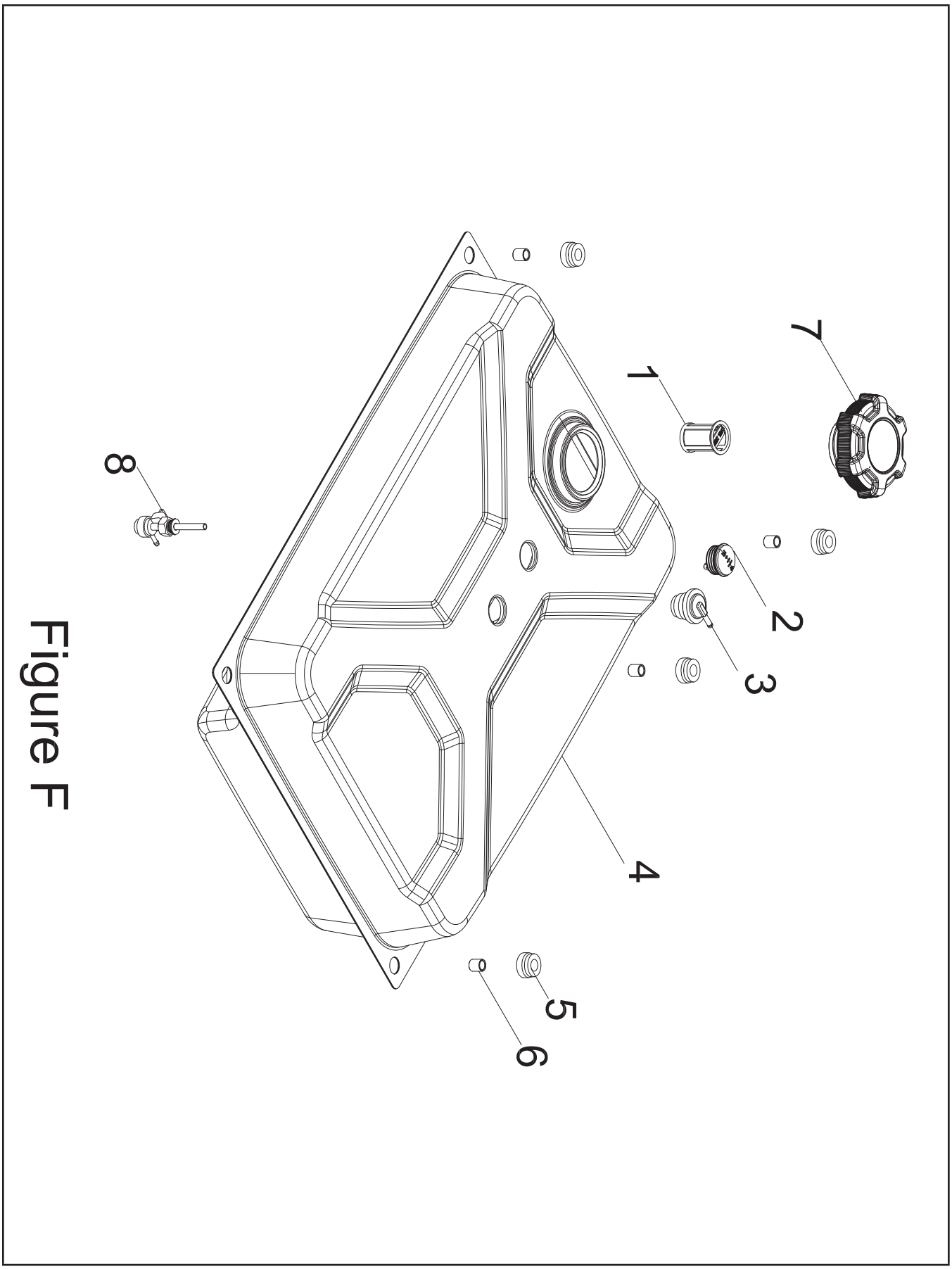


Figure F Part List

#	Part Number	Description	Qty.
1	100714493	Fuel Filter Assembly	1
2	100712045	Fuel Gauge	1
3	100099571	Reversal Valve	1
4	100713756-0001	Fuel Tank, 17.7 L, Yellow	1
5	100032369	Vibration Mounting, Fuel Tank	4
6	100021118	Bushing, Ø12 x Ø9 x 13	4
7	100726113	Fuel Tank Cap	1
8	100021153	Fuel Valve	1

Figure G Parts Diagram

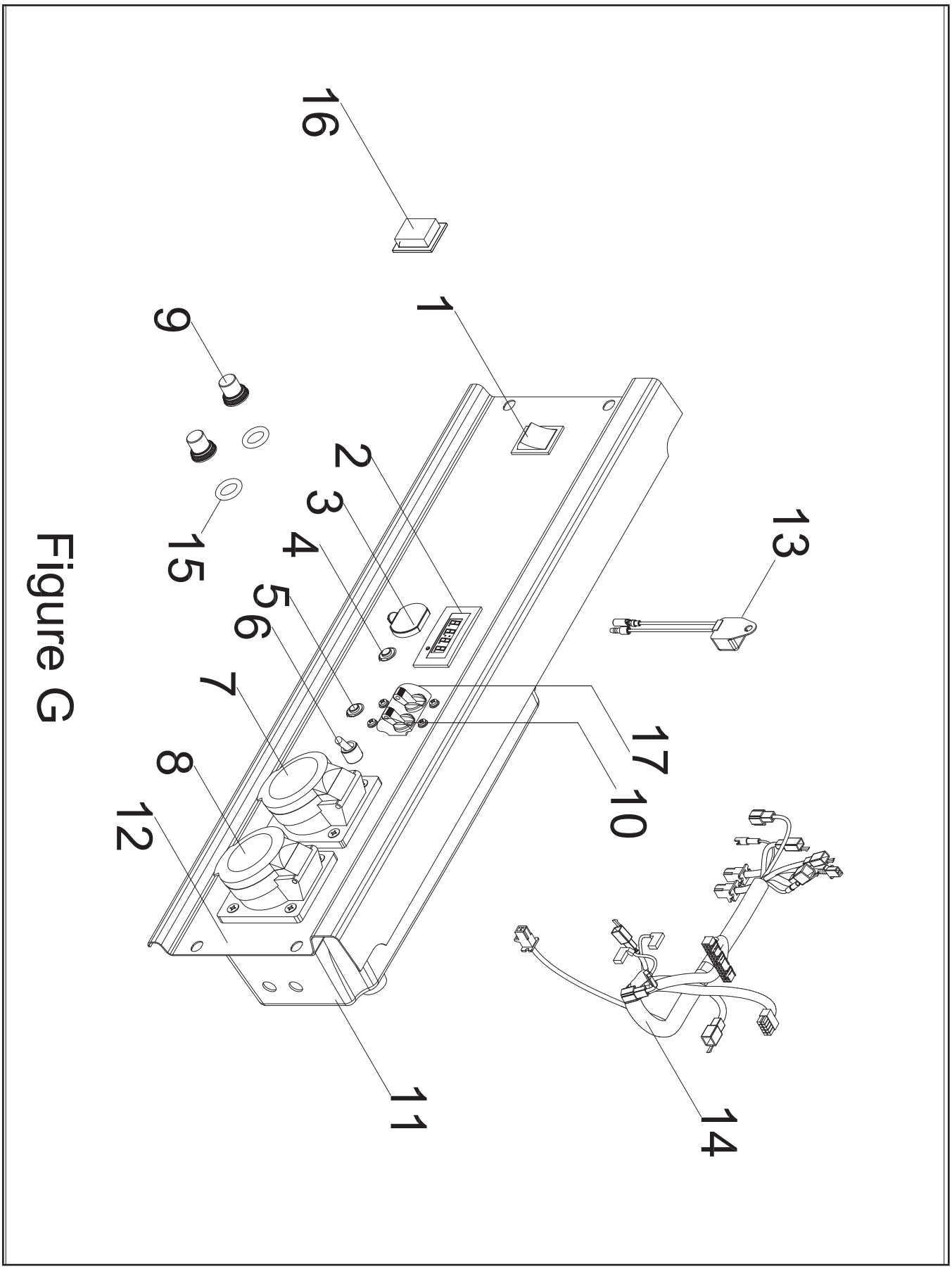


Figure G

Figure G Part List

#	Part Number	Description	Qty.
1	100019772-0001	Switch	1
2	100749704	Intelligauge	1
3	100019743	V-Type Receptacle	1
4	100019757	10Amp Circuit Breaker, Push Button	1
5	100019758-0001	16Amp Circuit Breaker, Push Button	1
6	100749706	Commutator Switch	1
7	100020019	32Amp DE-Type Receptacle	1
8	100020013	16Amp DE-Type Receptacle	1
9	100120180	Breaker Cover	2
10	100749705	Breaker	1
11	100746656	Control Panel Housing	1
12	100746657	Control Panel	1
13	100755507	Oil Sensor	1
14	100749935	Wire Harness Assembly	1
15	100031552	O-Ring	2
16	100126121	Breaker Cover, Switch	1
17	100757322	Breaker Cover, Breaker	1

Figure H Parts Diagram

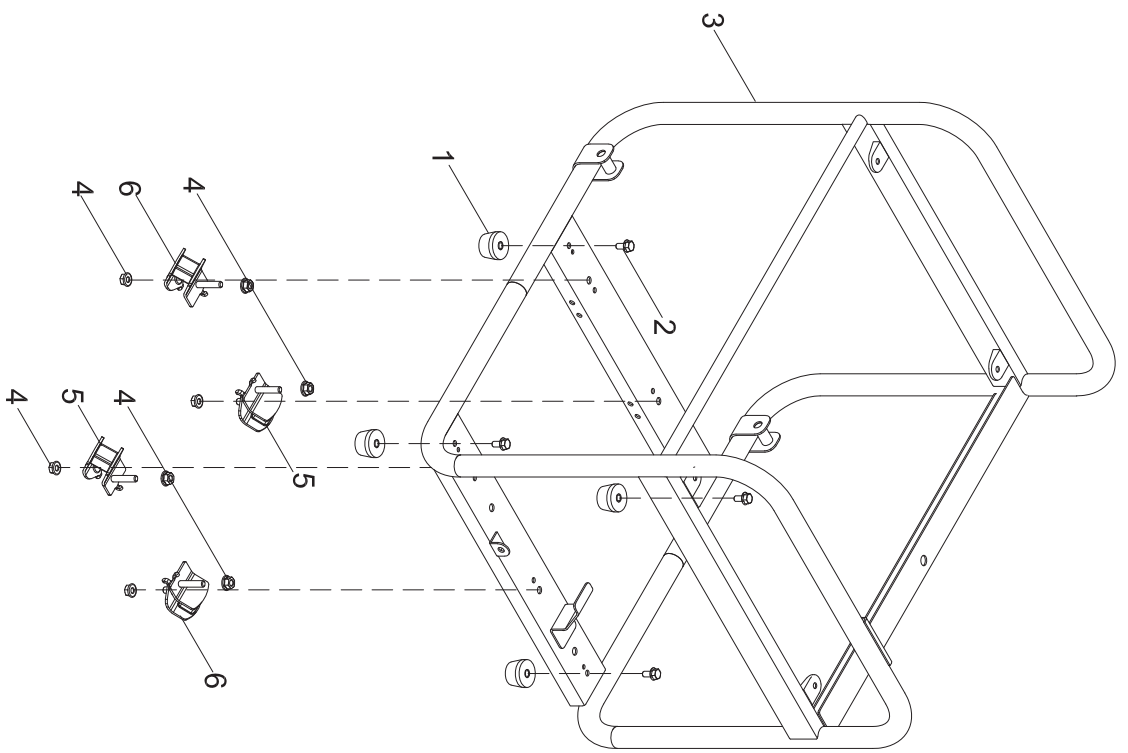


Figure H

Figure H Part List

#	Part Number	Description	Qty.
1	100749208-0001	Damping Support	4
2	100011261-0016	Flange Bolt M6 x 12	4
3	100755602-0001	Frame, 25mm, 590 x 464 x 504.5	1
4	100011453-0006	Lock Nut M8, Flange	8
5	100020986-0002	Vibration Mount 2	2
6	100021000-0002	Vibration Mount 1	2

Figure B Engine Parts Diagram

Figure B Engine Parts List

#	Part Number	Description	Qty.
1	100011264-0008	Flange Bolt M6 x 16, GB5789	6
2	100002335-0001	Cylinder Head Cover(Cpe)	1
3	100719261-0001	Breather Tube	1
4	100079562	Gasket, Cylinder Head Cover	1
5	100002464-0002	Flange Bolt M8 x 60	4
6	100750155	Cylinder Head Assembly - See Figure C	1
7	100750154	Carburetor Assembly - See Figure D	1
8	100011266-0010	Flange Bolt M6 x 20	1
9	100000655	Wire Clip B	1
10	100010894-0002	Washer Ø6	3
11	100156547-0001	Recoil Starter, Black	1
12	100086735-0014	Fan Cover, Yellow	1
13	100007947	Rod, Governor	1
14	100011459-0004	Flange Nut M14 x 1.5	1
15	100007550-0001	Pulley, Starter	1
16	100007028	Fan, Engine Cooling	1
17	100009503	Flywheel	1
18	100007853	Spring, Governor	1
19	100008111-0001	Air Guide, Engine Fan	1
20	100011268-0009	Flange Bolt M6 x 25	2
21	100009243-0002	Ignition Module	1
22	100150077	Lower Guard	1
23	100017644	Oil Seal Ø25 x Ø41.25 x 6	1
24	100140972	Crankcase	1
25	100007975	Governor Shaft	1
26	100010113	Sealing Ring, Ø5.2 x 1.9	1
27	100017630	Oil Seal Ø6 x Ø11 x 4	1
28	100007986	Cotter, Governor Shaft	1
29	100011215-0003	Flange Bolt M6 x 12	2
30	100011262-0004	Flange Bolt M6 x 14, GB5789	4
31	100011528-0002	Flange Bolt M6 x 10	3
32	100008417	Arm, Governor	1
33	100720109-0001	Air Filter Assembly	1
34	100727318	Air Filter Base	1
35	100005078	Air Filter Baffle	1
36	100004771	Air Filter Element	1
37	100087055	Air Filter Cover	1
38	100004949	Air Filter Bolt	1
39	100011261-0014	Flange Bolt M6 x 12	1
40	100021030-0001	Bracket, Air Cleaner Support	1
41	100011463-0003	Flange Nut M6	2
42	100007083-0001	Air Guide, Lower	1
43	100011260-0007	Flange Bolt M6 x 10, GB5789	2
44	100007920	Spring, Throttle Return	1
45	100010558	Dowel Pin Ø10 x 16	2
46	100003243	Piston Ring Set	1
47	100072134	1st Piston Ring	1
48	100072135	2nd Piston Ring	1
49	100072136	Oil Ring	1
50	100077152	Push Rod	2
51	100004262	Lifter, Valve	2
52	100003086	Piston	1
53	100003221	Circlip	2
54	100003123	Wrist Pin	1
55	100003446	Connecting Rod	1
56	100010272-0001	Drain Bolt, M10 x 1.25 x 15	2
57	100010459	Washer Ø10 x 1.5 x Ø16	2
58	100161669-0002	Oil Level Sensor	1
59	100010761	Bearing, TM6205	2
60	100085214	Crankshaft	1
61	100099599	Camshaft	1
62	100075572	Gasket, Crankcase Cover	1
63	100002961	Cover, Crankcase	1
64	100017651	Oil Seal Ø25 x Ø41.25 x 6, Spiral Grain	1
65	100011319-0002	Flange Bolt M8 x 32	6
66	100020165	Support, End Cover	1
67	100004105-0010	Oil Dipstick Assembly	1
68	100010550	Dowel Pin Ø8 x 14	2
69	100008298	Gear, Governor	1
70	100011570-0008	Flange Bolt M6 x 12	1

Figure C Engine Parts Diagram

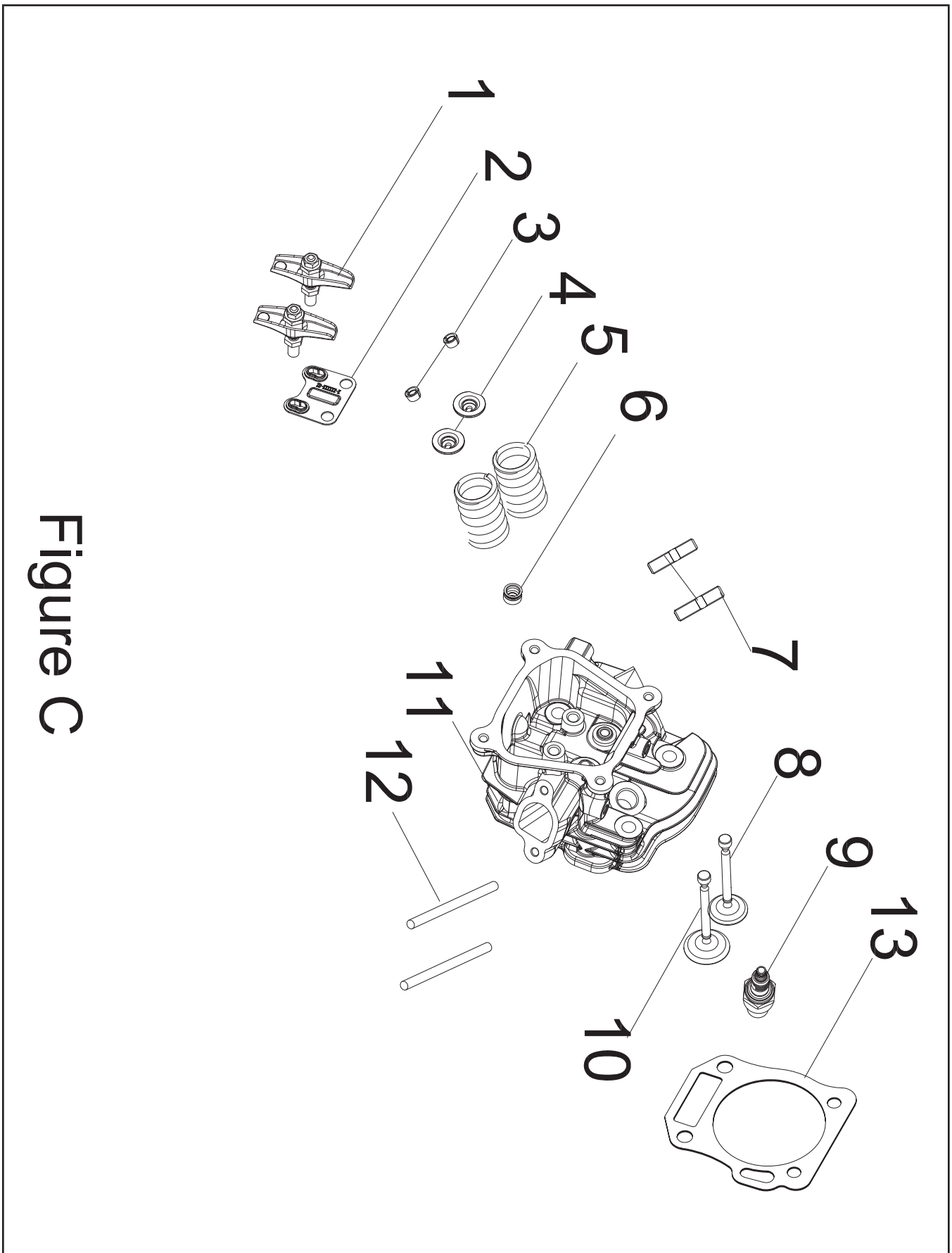


Figure C Engine Parts List

#	Part Number	Description	Qty.
1	100149239	Rocker Arm Assembly	2
2	100050881	Guide Plate, Push Rod	1
3	100050896	Valve Collet	4
4	100073758	Valve Spring Seat, Upper	2
5	100713979	Spring Valve	2
6	100004599	Oil Seal, Intake Valve	1
7	100010389-0001	Stud Bolt M8 x 35	2
8	100713981	Exhaust Valve	1
9	100009378	Spark Plug F6RTC	1
10	100713980	Intake Valve	1
11	100079792	Cylinder Head	1
12	100010354-0001	Stud Bolt M6 x 96	2
13	100155656	Gasket, Cylinder Head	1

Figure D Engine Parts Diagram

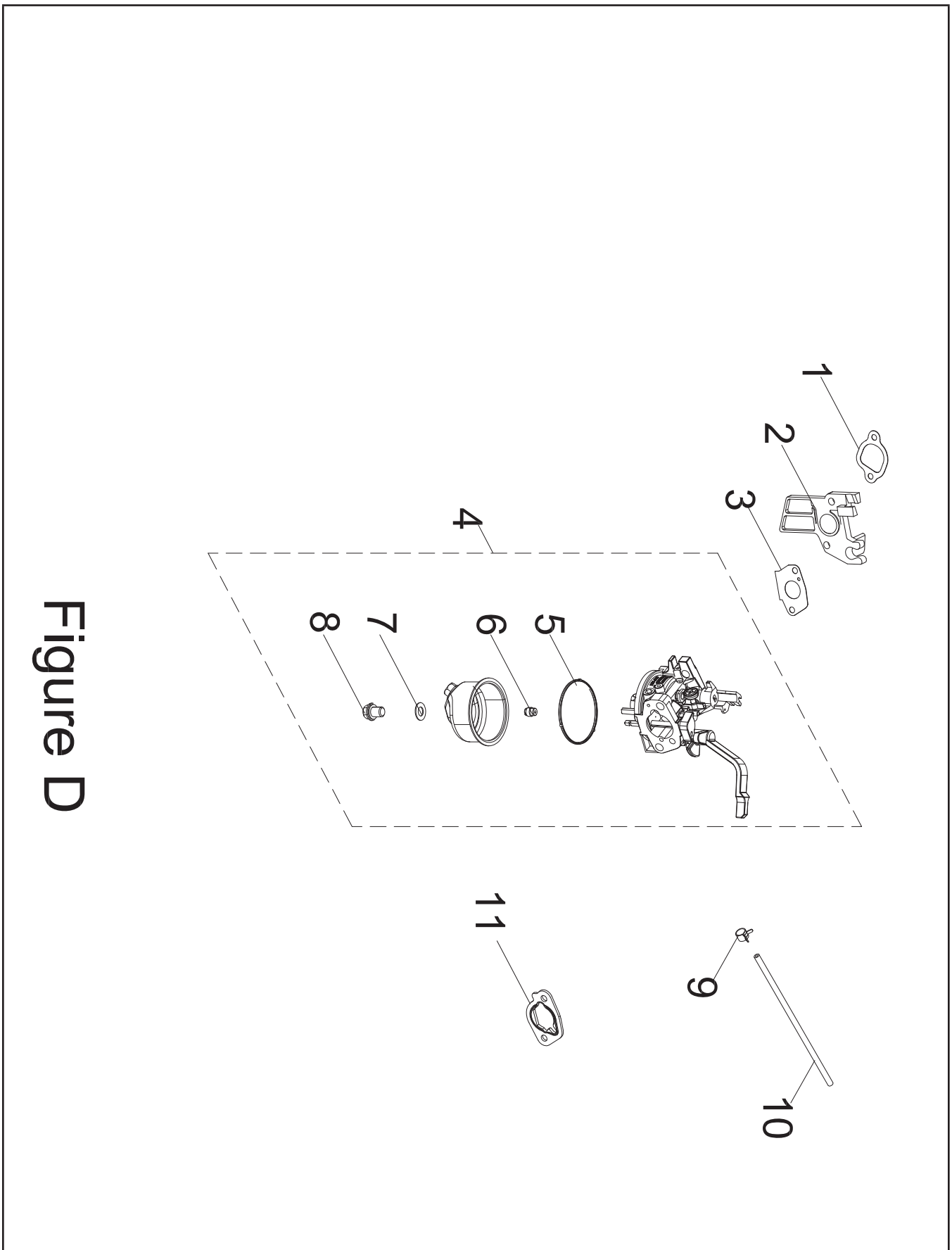
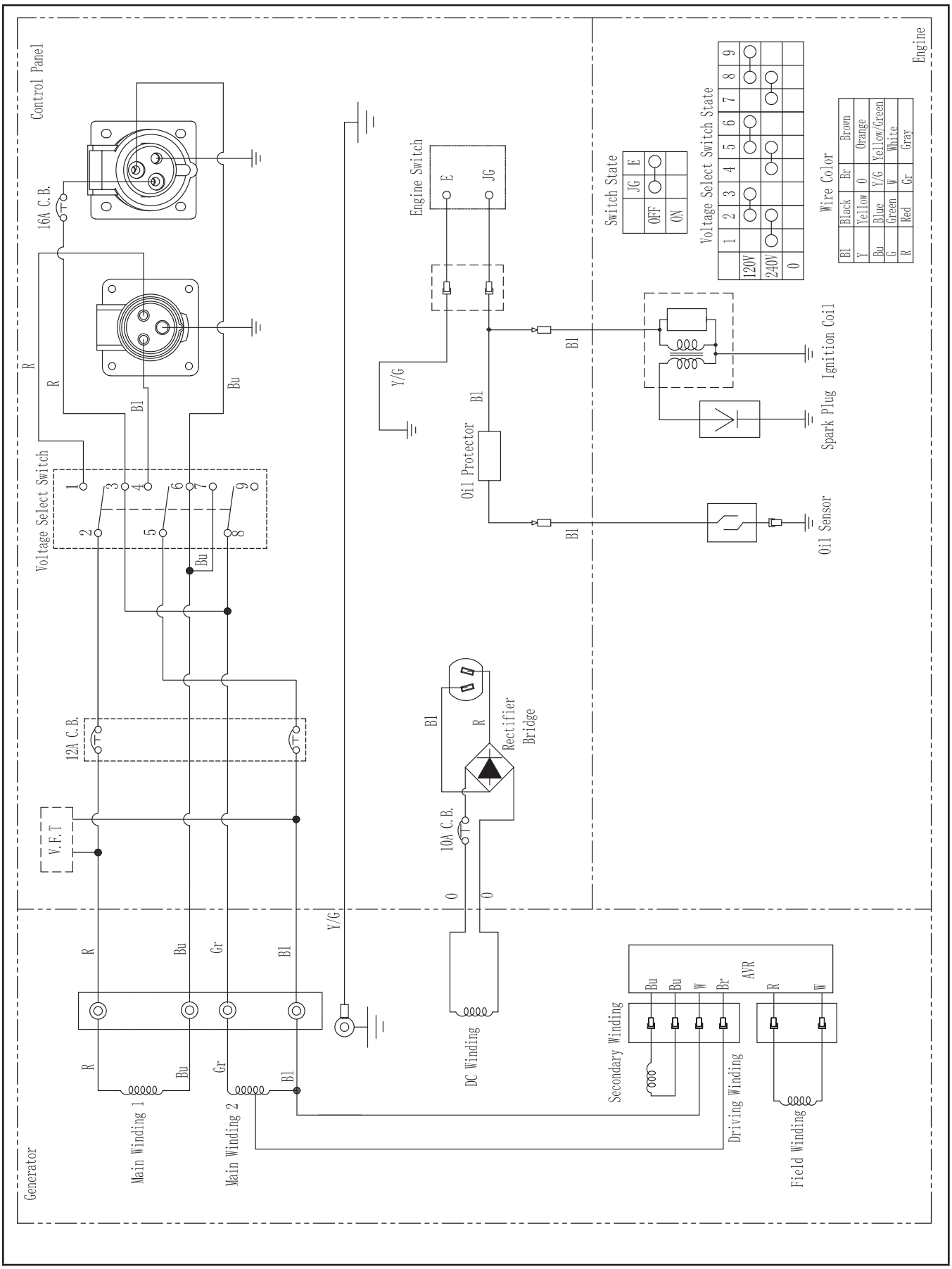


Figure D

Figure D Engine Parts List

#	Part Number	Description	Qty.
1	100078607	Gasket, Insulator	1
2	100005599	Insulator, Carburetor	1
3	100078606	Gasket 1, Carburetor	1
4	100750076-0001	Carburetor	1
5	100005717	Fuel Bowl O-Ring	1
6	100005754	Main Jet Standard	1
	100005765	Main Jet Altitude 1000-3000m	/
7	100006037	Fuel Bowl Mounting Bolt Gasket	1
8	100005725	Fuel Bowl Mounting Bolt	1
9	100005148	Clamp	1
10	100017784-0001	Fuel Tube, Ø4 x Ø8 x 126	1
11	100005629-0001	Gasket 2, Carburetor	1

Wiring Diagram



TROUBLESHOOTING

Problem	Cause	Solution
Generator will not start.	No fuel.	Add fuel.
	Faulty spark plug.	Replace spark plug.
	Unit loaded during start up.	Remove load from unit.
	Low oil level.	Fill crankcase to the proper level.
		Place generator on a flat, level surface.
	Spark plug wire loose.	Attach wire to spark plug.
	Fuel valve is closed.	Open fuel valve.
	Engine switch OFF.	Turn engine switch ON.
Generator starts but runs roughly.	Choke in the wrong position.	Adjust choke.
	Dirty air filter.	Clean or replace air filter.
	Dirty fuel valve.	Clean the fuel valve.
Generator shuts down during operation.	Out of fuel.	Fill fuel tank.
	Low oil level.	Fill crankcase to the proper level. Place generator on a flat, level surface.
Generator cannot supply enough power or overheating.	Generator is overloaded.	Review load and adjust. See “Connecting Electrical Loads.”
	Dirty air filter.	Clean or replace air filter.
No AC output.	Power cord not properly connected.	Check all connections.
	Connected device is defective.	Replace defective device.
	Circuit breaker is open.	Reset circuit breaker.
	Faulty brush assembly.	Replace brush assembly (Service Center).
	Faulty AVR (auto voltage regulator).	Replace AVR (Service Center).
	Loose wiring.	Inspect and tighten wiring connections.
	Other.	Contact the help line.
Generator hunts.	Engine governor defective.	Contact the help line.
Repeated circuit breaker tripping.	Overload.	Review load and adjust. See “Connecting Electrical Loads.”
	Faulty power cords or device.	Check for damaged, bare or frayed wires. Replace defective device.

WARRANTY*

CHAMPION POWER EQUIPMENT
3 YEAR LIMITED WARRANTY

Warranty Qualifications

To register your product for warranty and FREE lifetime call center technical support please visit:
https://www.championpowerequipment.co.uk
To complete registration you will need to include a copy of the purchase receipt as proof of original purchase. Proof of purchase is required for warranty service. Please register within ten (10) days from date of purchase.

Repair/Replacement Warranty

CPE warrants to the original purchaser that the mechanical and electrical components will be free of defects in material and workmanship for a period of three (3) years for domestic usage or 1000 hours which comes first and One (1) Year for commercial and industrial use or 1000 hours which ever comes first. Transportation charges on product submitted for repair or replacement under this warranty are the sole responsibility of the purchaser. This warranty only applies to the original purchaser and is not transferable. For full T&C's please visit www.championpowerequipment.co.uk.

Do Not Return The Unit To The Place Of Purchase

Contact CPE's Technical Service and CPE will troubleshoot any issue via phone or e-mail. If the problem is not corrected by this method, CPE will, at its option, authorize evaluation, repair or replacement of the defective part or component at a CPE Service Center. CPE will provide you with a case number for warranty service. Please keep it for future reference. Repairs or replacements without prior authorization, or at an unauthorized repair facility, will not be covered by this warranty.

Warranty Exclusions

This warranty does not cover the following repairs and equipment:

Normal Wear

Products with mechanical and electrical components need periodic parts and service to perform well. This warranty does not cover repair when normal use has exhausted the life of a part or the equipment as a whole.

Installation, Use and Maintenance

This warranty will not apply to parts and/or labor if the product is deemed to have been misused, neglected, involved in an accident, abused, loaded beyond the product's limits, modified, installed improperly or connected incorrectly to any electrical improper maintenance component. Normal maintenance is not covered by this warranty and is not required to be performed at a facility or by a person authorized by CPE.

Other Exclusions

This warranty excludes:

- Cosmetic defects such as paint, stickers, labels,decals, etc.
- Service or worn items such as spark plugs, spark arrestors, filter elements, piston, rings and O-rings, etc
- Accessory parts such as starting batteries (After 1 year), regulators, valve, recoil assemblies, hoses and storage covers.
- Failures due to acts of God and other force majeure events beyond the manufacturer's control.
- Problems caused by parts that are not original Champion Power Equipment parts.

Any part(s) deemed to be damaged by the user.When applicable, this warranty does not apply to products used for prime power in place of a utility.

Limits of Implied Warranty and Consequential Damage

Champion Power Equipment disclaims any obligation to cover any loss of time, use of this product, freight, or any incidental or consequential claim by anyone from using this product. THIS WARRANTY AND THE ATTACHED UK EPA and/or CARB EMISSION CONTROL SYSTEM WARRANTIES (WHEN APPLICABLE) ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

A unit provided as an exchange will be subject to the warranty of the original unit. The length of the warranty governing the exchanged unit will remain calculated by reference to the purchase date of the original unit.

This warranty gives you certain legal rights which may change from state to state or province to province. Your state or province may also have other rights you may be entitled to that are not listed within this warranty.

Contact Information

Winch Solutions ltd

Unit 17-18 Bradley Trading Estate

Standish WN6 0XQ / UK

www.championpowerequipment.co.uk

support@cpeeurope.co.uk