CHAMPION
GLOBAL POWER EQUIPMENT

OPERATOR'S MANUAL

MODEL #92001I-EU
2500W PORTABLE INVERTER GENERATOR

REGISTER YOUR PRODUCT ONLINE
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ENGLISH

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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.

This product meets the requirements of the PGMA (Portable Generator Manufacturers' Association) standard ANSI/PGMA G300-2015 (Safety and Performance of Portable Generators).

Made in China - REV 20200811

Champion Power Equipment, Inc., Santa Fe Springs, CA USA

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
92001i-EU
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

⚠ WARNING

Cancer and Reproductive Harm – www.P65Warnings.ca.gov

⚠ 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.

DO NOT operate the generator inside any building, including garages, basements, crawlspaces and sheds, enclosure or compartment, including the generator compartment of a recreational vehicle.

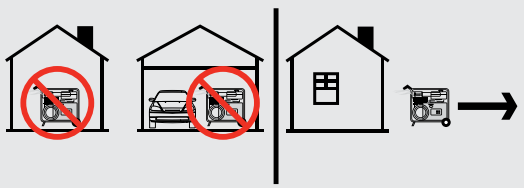
DO NOT allow exhaust fumes to enter a confined area through windows, doors, vents or other openings.

⚠ 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, **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 to prevent fires.

⚠ 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.

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 receptacles.

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

DO NOT operate generator in wet weather.

DO NOT allow children or unqualified persons 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 30A 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.

⚠ WARNING

Do not use generator for medical and life support uses.

In case of emergency, call 911 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.

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⚠ WARNING

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

When servicing the generator:

Disconnect the spark plug wire and place it where it cannot contact the plug or any other metal object.

DO NOT check for spark with the plug removed.

Use only approved spark plug testers.

⚠ WARNING

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

DO NOT touch hot surfaces.

Avoid contact with hot exhaust gases.

Allow equipment to cool 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.

⚠ WARNING

Rapid retraction of the recoil 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 engine, pull the recoil cord slowly until resistance is felt and then pull rapidly to avoid kickback.

DO NOT start or stop the engine with electrical devices plugged in and turned on.

⚠ 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.

⚠ CAUTION

Start the generator and allow the engine to stabilize before connecting electrical loads.

Connect electrical equipment in the off position, and then turn them on for operation.

Turn electrical equipment off and disconnect 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 level surfaces.

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

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

GASOLINE AND GASOLINE VAPORS ARE HIGHLY FLAMMABLE AND EXPLOSIVE.

Fire or explosion can cause severe burns or death.

Gasoline and gasoline vapors:

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

When adding or removing gasoline:

DO NOT light or smoke cigarettes.

Always turn the generator off and let cool for a minimum of two minutes before removing the gasoline cap. Afterwards, loosen gasoline cap to relieve pressure from the gasoline tank.

Only fill or drain gasoline outdoors in a well-ventilated area.

DO NOT pump gasoline directly into the generator at the gas station. Always use an approved fuel container to transfer the gasoline to the generator.

DO NOT overfill the gasoline tank.

Always keep gasoline 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.

Always make certain that the gasoline cap, air filter, spark plug, fuel lines and exhaust system are properly secured, connected and in place.

Always allow spilled gasoline to evaporate fully before attempting to start the engine.

Make certain that the generator is resting firmly on 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 gasoline 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 gasoline near furnaces, water heaters, or any other appliances that produce heat or have automatic ignitions.

⚠ WARNING

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

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Operation Symbols

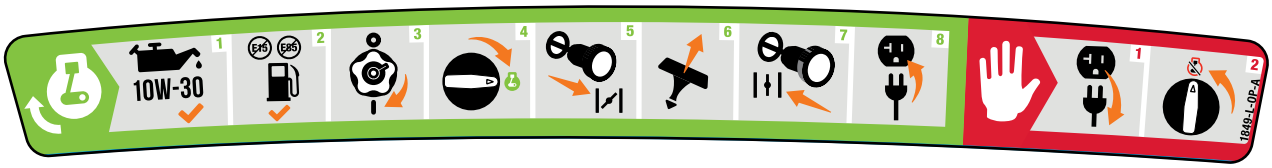
Some of the following symbols may be used on this product. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to more safely operate the product.

SYMBOL	MEANING
	**ON**
	**STOP or OFF**
	**Choke.** Pull choke knob to “CHOKE” position.
	**Run.** Push choke knob to “RUN” position.
	**12V Direct Current**
	**Circuit Breaker Reset: Push**

SYMBOL	MEANING
	**Parallel Connection(s)**
	**Ground Terminal**
	**Overload Reset Switch**
	**Low Oil**
	**Economy Mode Switch**

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.
2. **Check gasoline level.**
   When adding gasoline, use a minimum octane rating of 85 and an ethanol content of 10% or less by volume.
3. Turn the fuel cap vent lever to the **"ON"** position.
4. Turn the fuel dial clockwise to the full **"ON"** position.
5. Pull choke knob to **"CHOKE"** position.
6. Pull the recoil cord.
7. Push the choke knob to **"RUN"** position.
8. Plug in desired device.

Stopping the Engine

1. Turn off and unplug all connected electrical loads.
2. Turn the fuel dial to the **"STOP"** position.

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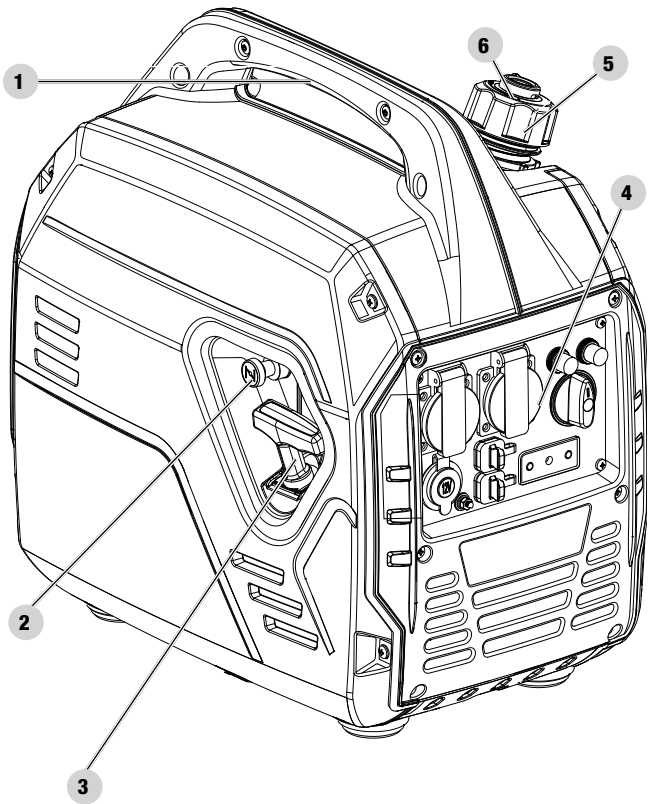
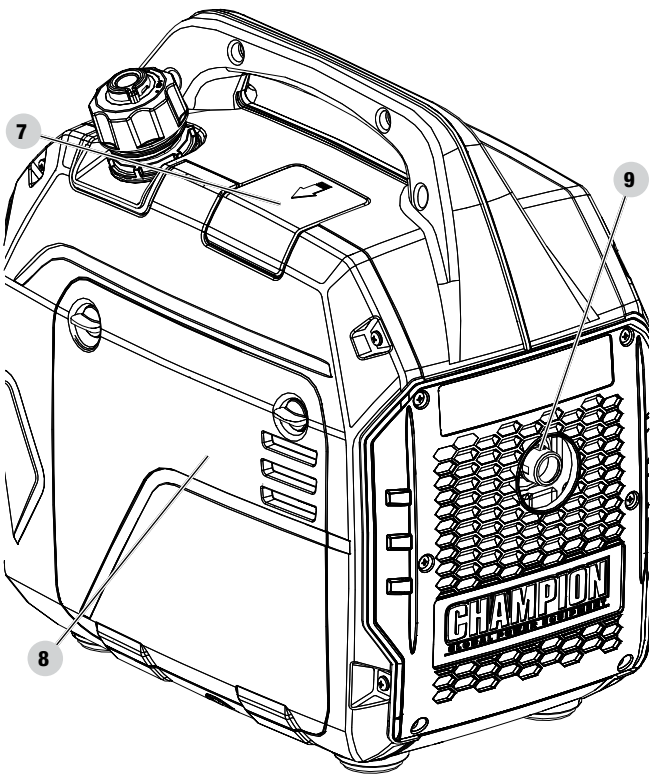
CONTROLS AND FEATURES

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.

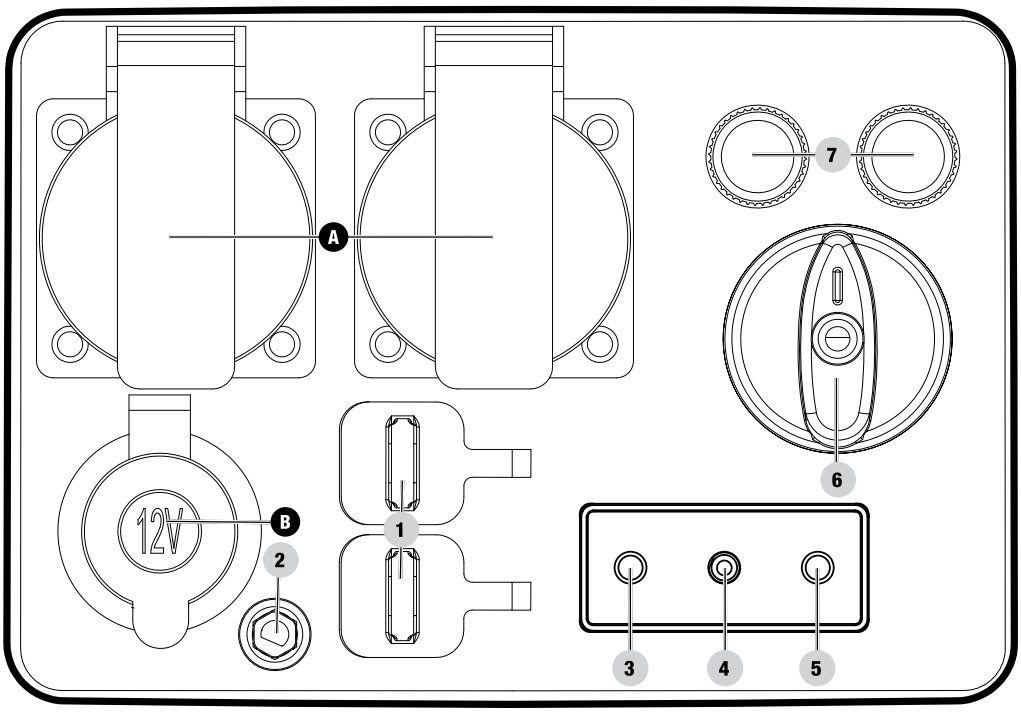
Generator





1. **Carrying Handle** – Used to lift or carry the unit.
2. **Choke** – Used to start a cold engine.
3. **Recoil Starter** – Used to manually start the engine
4. **Control Panel** – See *Control Panel* section.
5. **Fuel Cap** – Remove to add fuel.
6. **Fuel Lever Vent** – Turn this valve to the "ON" position to supply air to the tank.
7. **Spark Plug Access Cover**
8. **Maintenance Cover**
9. **Muffler**

Control Panel



1. **Parallel Outlets** – Used for parallel operation (parallel kit sold separately).
2. **Ground Terminal** – Consult an electrician for local grounding regulations.
3. **AC Output Indicator Button** – Indicates when power is being delivered to receptacle.

   3a. Green – Systems Normal.

   3b. Red Constant– Overload Warning.

   3c. Red Flash– Overload Fault. Push to reset.
4. **Oil Warning Indicator Light** – When ON engine will shut down and not run. Check oil level.
5. **Economy Mode Button** – Enables/disables automatic idle control.

   5a. OFF – Economy Mode is OFF.

   5b. Green – Economy Mode is ON.
6. **Fuel Dial** – Used to start and stop the generator.
7. **Circuit Breakers (Push Reset)** – Protects the generator against electrical overloads.

RECEPTACLES		
A		**(2×) 220V AC, 8.6A** May be used to supply electrical power for operation of 220 Volt AC, 16 Amp, single phase, 50 Hz electrical loads.
B		**12V DC, 8A (Automotive)** May be used to supply electrical power for operation of 12 Volt DC, 8 Amp electrical loads.

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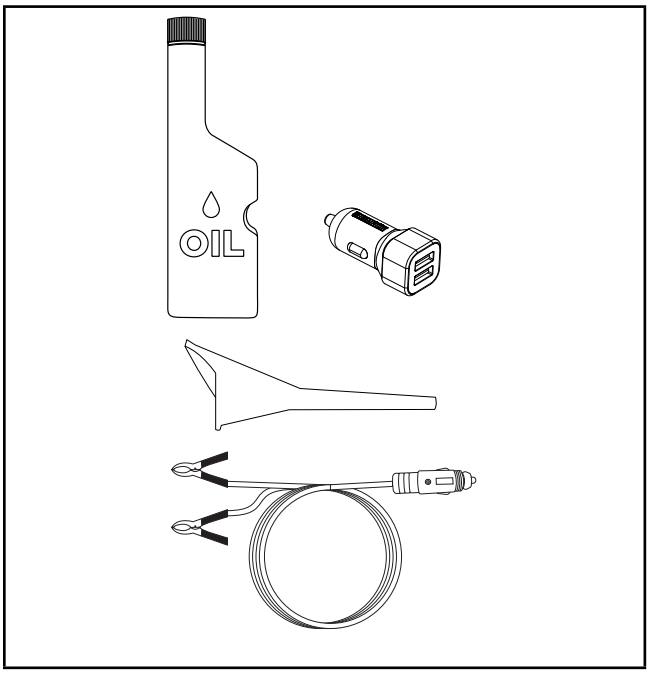
Parts Included

Accessories

Engine Oil ..... 16.9 fl. oz. (0.5 qt.)
Oil Funnel 1
Dual Port USB Adapter (5v/2.4A) 1
Battery Charging Cables 1



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 +44 (0)1942 715 407. 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. Using the carrying handles of the unit, carefully remove the generator from the box (two people lifting is recommended).

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.

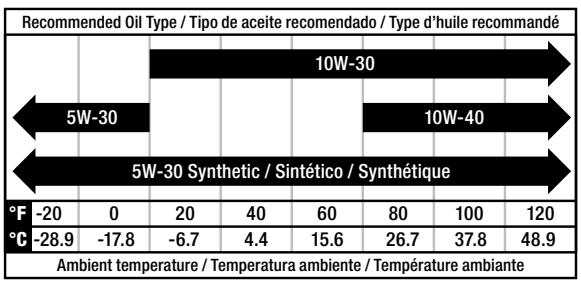
NOTICE

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

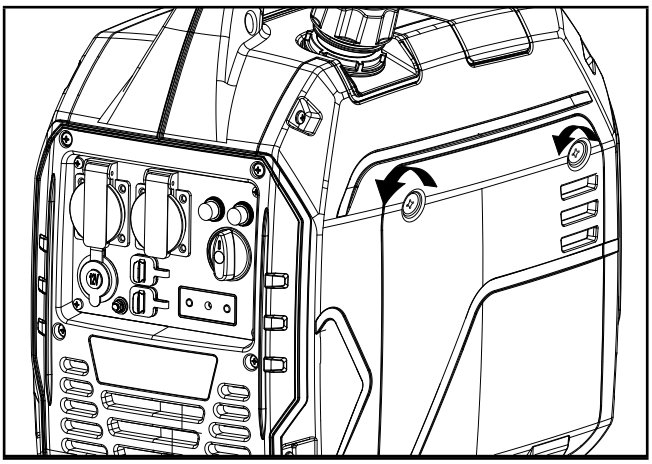
NOTICE

The recommended oil type for typical use is **10W-30 automotive oil**.

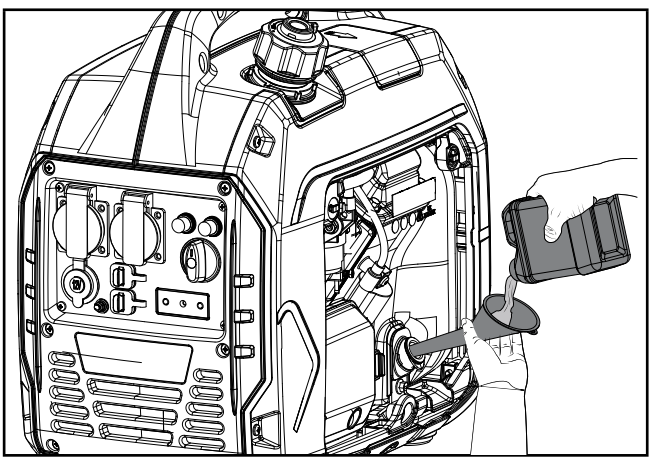
If running generator in extreme temperatures, refer to the following chart for recommended oil type.



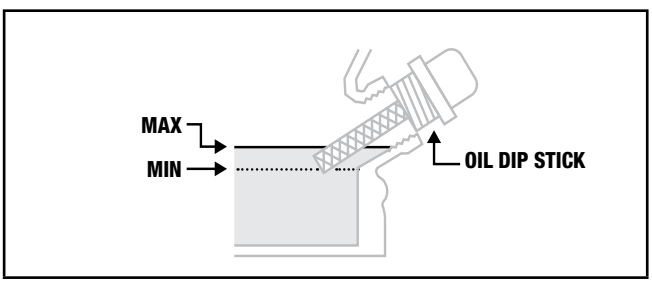
1. Place the generator on a flat, level surface.
2. Loosen the cover screws and remove the maintenance cover.



3. Remove oil fill cap/dipstick to add oil.
4. Using a funnel, add up to 16.9 fl. oz. (0.5 qt.) of oil (included) and replace oil fill cap/dipstick. DO NOT OVERFILL.



5. Check engine oil level daily 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.

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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

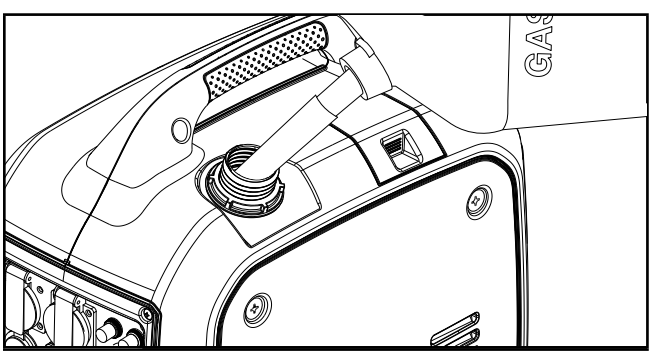
Synthetic oil may be used after the 5 hour initial break-in period. Using synthetic oil does not increase the recommended oil change interval. Full synthetic 5W-30 oil will aid in starting in cold ambient < 41º F (5º C) temperatures.

Add Fuel

Use clean, fresh, regular unleaded gasoline with a minimum octane rating of 85 and an ethanol content of 10% or less by volume. E10 E25 E85

DO NOT mix oil with gasoline.

1. Remove the gasoline cap.
2. Slowly add gasoline to the tank. DO NOT OVERFILL. Gasoline can expand after filling. A minimum of ¼ in. (6.4 mm) of space left in the tank is required for gasoline expansion, although more than ¼ in. (6.4 mm) is recommended. Gasoline 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. Screw on the gasoline cap until you hear a “clicking” noise. Wipe up any spilled fuel.

⚠ CAUTION

Use unleaded gasoline with a minimum octane rating of 85 and an ethanol content of 10% or less by volume.

DO NOT light cigarettes or smoke when filling the tank.

DO NOT mix oil and gasoline.

DO NOT overfill the tank. Fill tank to approximately ¼ in. (6.4 mm) below the top of the tank to allow for gasoline expansion.

DO NOT pump gasoline directly into the generator at the pump. Use an approved container to transfer the gasoline to the generator.

DO NOT fill tank indoors.

DO NOT fill tank when the engine is running or hot.

⚠ WARNING

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

NOTICE

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

- Ethanol-gasoline blends can absorb more water than gasoline alone.
- These blends can eventually separate, leaving water or a watery goo in the tank, fuel valve and carburetor. The compromised gasoline 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-gasoline blends.
- Any damages or hazards caused by using improper gasoline, improperly stored gasoline, and/or improperly formulated stabilizers, are not covered by manufacturer’s warranty.

It is advisable to always shut off the gasoline 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 Specifications section 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), under staircases/stairwells, next to walls 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 may 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.

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 UL1449, CSA-listed, 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.

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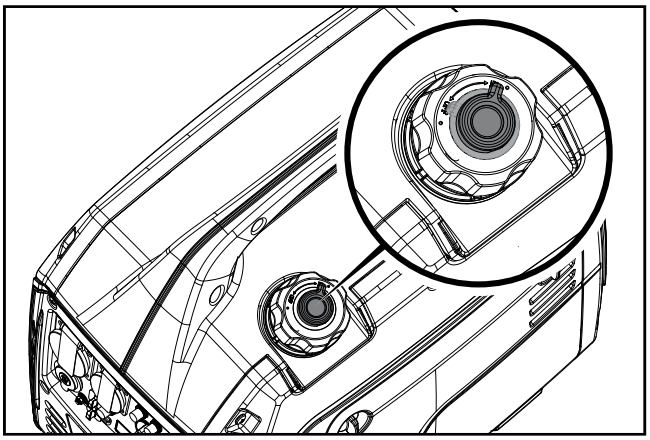
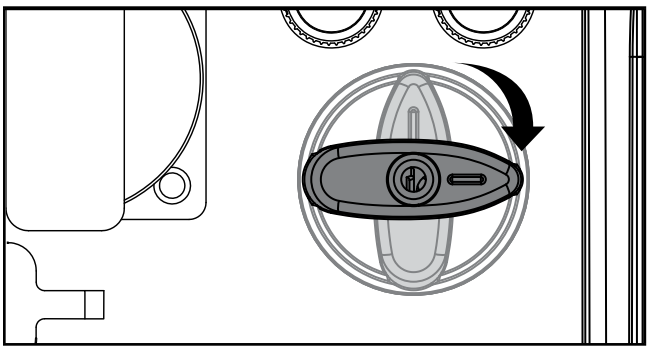
Starting the Engine

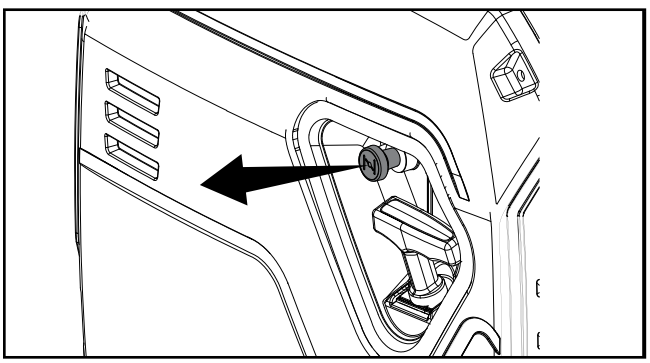
1. Make certain the generator is on a flat, level surface.
2. Disconnect all electrical loads from the generator. Never start or stop the generator with electrical devices plugged in or turned on.
3. Turn the fuel cap vent lever to the “ON” position.



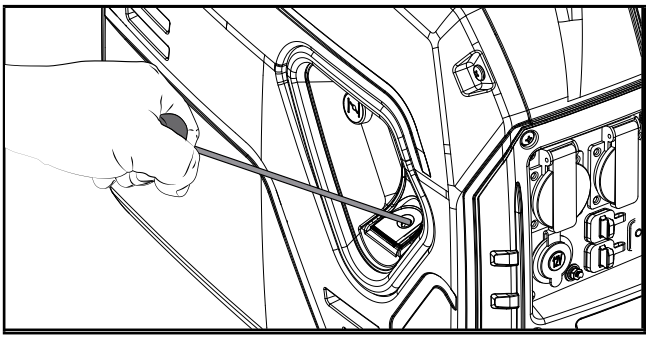
4. Turn the fuel dial clockwise to the full “ON” position.



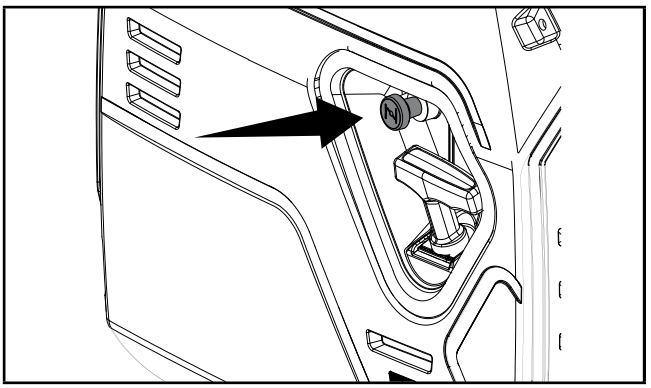
5. Pull choke knob out to the “CHOKE” position.



6. Pull the recoil cord slowly until resistance is felt and then pull rapidly.



7. As engine warms up, push the choke knob in to the “RUN” position.



NOTICE

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

NOTICE

For gasoline restarts with hot engine in hot ambient > 86°F (30°C): If generator does not start after the first pull, press the choke knob in to the “RUN” position for the next 3 pulls. Too much choke leads to spark plug fouling/engine flooding due to the lack of incoming air. This will cause the engine not to start.

NOTICE

For gas starting in cold ambient < 59°F (15°C): The choke must be in 100% of the “CHOKE” position for manual start procedures. Do not over-choke. As soon as engine starts, push the choke knob in the “RUN” position.

NOTICE

If the engine starts but does not continue to 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 220 (if applicable) Volt AC single phase, 50 Hz electrical loads.

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

– DO NOT overload the generator.

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.

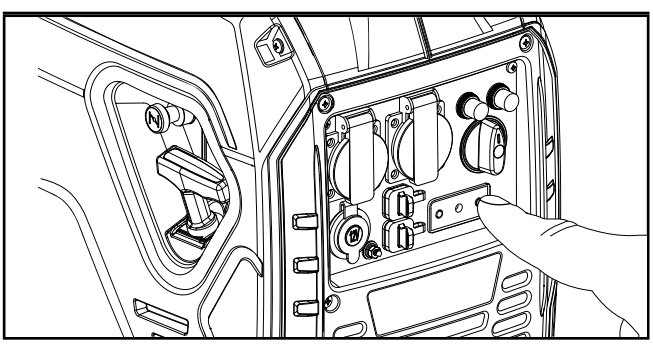
NOTICE

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

Eco (Economy) Mode

The Eco Mode button can be activated to turn on economy control in order to minimize fuel consumption and noise while operating the unit during times of reduced electrical output. Eco Mode allows the engine speed to idle during periods of non-use.

The engine speed returns to normal when an electrical load is connected. When the economy switch is off, the engine runs at normal speed continuously.



CAUTION

For periods of high electrical load or momentary fluctuations, the Eco Mode should be off.

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12V DC Automotive Style Outlet

The 12V DC outlet(s) can be used with supplied accessories and other commercially available 12V DC automotive style plugs. The DC output is unregulated and can damage some products. Confirm the input voltage range of your item is at least 12-24V DC. When using the DC outlet turn the Eco Mode switch to the "OFF" position.

⚠ WARNING

Do not operate a device while it is plugged in to the 12V DC outlet.

Prolonged exposure to engine exhaust can cause serious injury or death.

⚠ CAUTION

While charging a device do not place on the exhaust side of the generator. Extreme heat caused by exhaust can damage the device, and cause a potential fire hazard.

Battery Charging

1. Before connecting the battery charging cable (included) to a battery that is installed in a vehicle, disconnect the vehicle battery ground cable from the negative (–) battery terminal.
2. Plug the battery charging cable into the 12V DC receptacle of the generator.
3. Connect the red (+) battery charger lead to the red (+) battery terminal.
4. Connect the black (–) battery charger lead to the black (–) battery terminal.
5. Start the generator.

Important: The 12V DC outlet is ONLY to be used with the supplied 12V DC battery charging cable. The 12V DC output is unregulated and will damage other 12V DC products. When using the 12V DC outlet, turn the Economy mode switch to the "OFF" position. Be sure all electric devices including the lines and plug connections are in good condition before connection to the generator.

⚠ CAUTION

Do not start the vehicle while the battery charging cable is connected and the generator is running. It will not give the battery a boost of power. The vehicle or the generator may be damaged. Charge only vented wet lead acid batteries. Other types of batteries may burst, causing personal injury or damage.

NOTICE

Be sure all electric devices including the lines and plug connections are in good condition before connection to the generator.

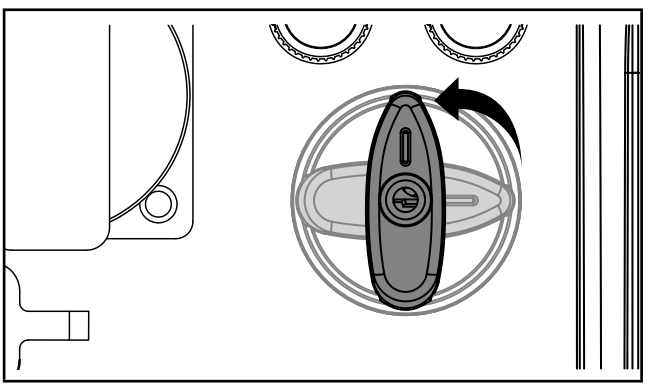
Parallel Operation

The Champion model 92001i-EU is parallel ready and can be operated in parallel with another Champion unit to increase the total available electrical power. A Champion parallel kit (optional equipment) is required for parallel operation. For a list of compatible models or to order a parallel kit, please contact your local distributor.

Detailed instructions for parallel kit installation and operation of the connected generators are provided in the parallel kit operator's manual.

Stopping the Engine

1. Turn off and unplug all 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. Turn the fuel dial counter-clockwise to the STOP position.



Important: Always ensure that the fuel dial and fuel lever vent are in the "OFF" position when the generator is not in use.

NOTICE

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

Moving the Generator

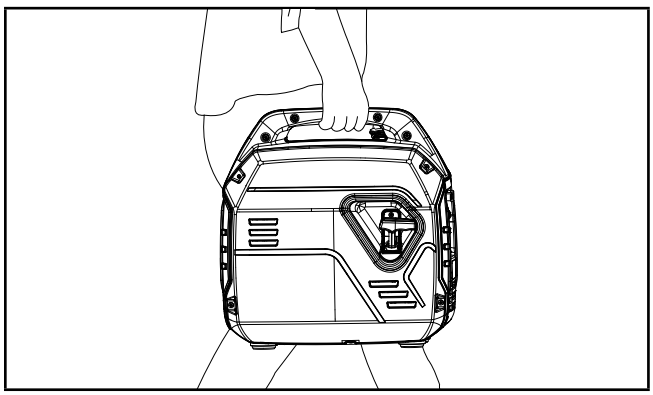
– ALWAYS turn the generator off and ensure the fuel valve is closed.

– ALWAYS make sure engine and muffler are cooled down before the generator can be handled safely (typically 15-30 minutes).

– Lift unit up by the carrying handle and move to the desired location.

– Do not drop or strike unit or place under heavy objects.

– Failure to follow these instructions could result in personal injury or damage to the generator.



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.

⚠ 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.

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⚠ WARNING

Never operate a damaged or defective generator.

⚠ WARNING

Improper maintenance will void your 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.

The owner/operator is responsible for all periodic maintenance.

Complete all scheduled maintenance in a timely manner.

Correct any issue before operating the generator.

For service or parts assistance, contact our Technical Support Team at +44 (0)1942 715 407.

Cleaning the Generator

⚠ CAUTION

DO NOT spray generator directly with water.

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

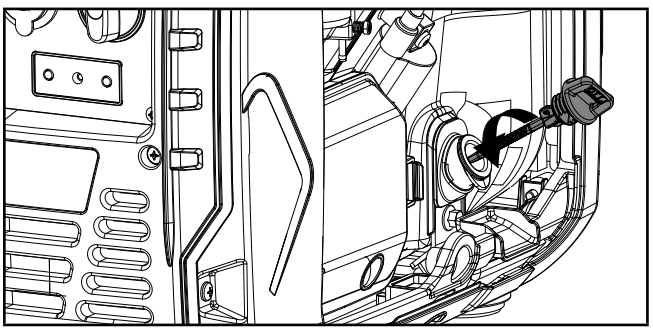
1. Use a damp cloth to clean exterior surfaces of the generator.
2. Use a soft bristle brush to remove dirt and oil.
3. Use an air compressor (25 PSI) to clear dirt and debris from the generator.
4. Inspect all air vents and cooling slots to ensure that they are clean and unobstructed.

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

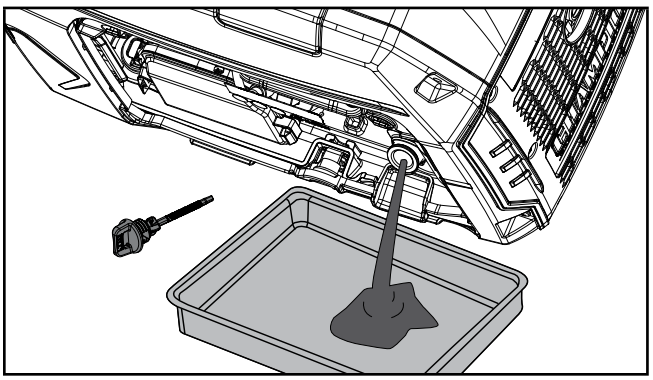
Changing the Engine Oil

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

1. Set the generator on top of a work bench or table.
2. Loosen the cover screws and remove the maintenance cover.
3. Remove oil fill cap/dipstick.



4. Tilt the generator on its side and allow the oil to drain completely.



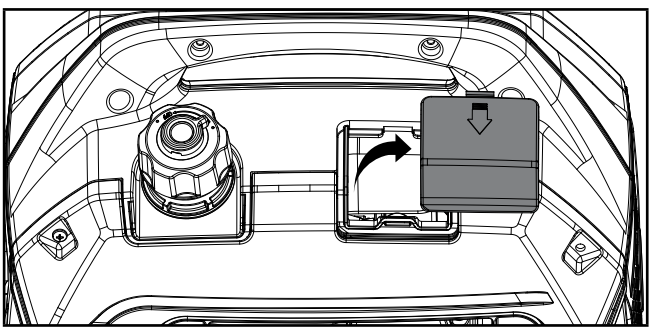
5. Add oil according to *Add Engine Oil* in *Assembly* section. DO NOT OVERFILL. Oil not included for routine maintenance.
6. Reinstall the maintenance cover.
7. Dispose of used oil at an approved waste management facility.

NOTICE

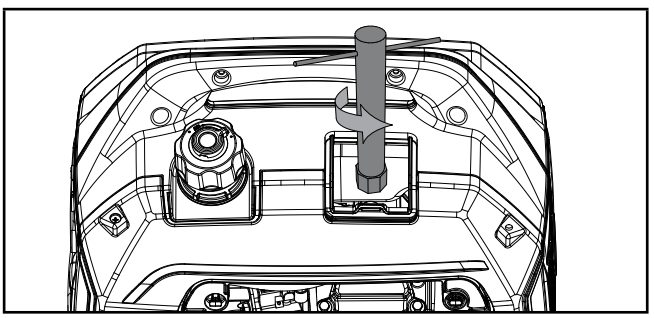
Once oil has been added, a visual check should show oil about 1-2 threads from running out of the fill hole. If using the dipstick to check oil level, DO NOT screw in the dipstick while checking.

Cleaning and Adjusting the Spark Plug

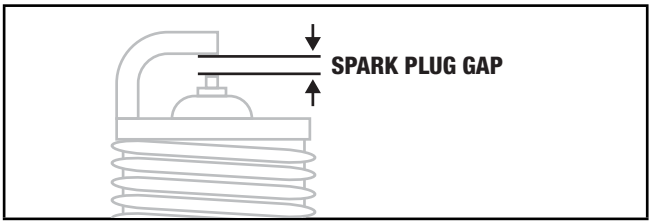
1. Remove the maintenance cover.
2. Remove spark plug access cap from the top panel.



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



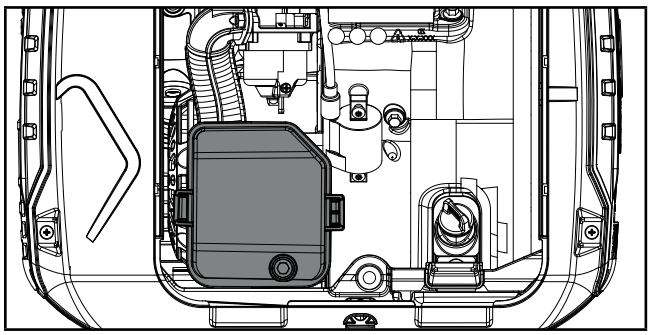
5. Inspect the electrode on the plug. It must be clean and not worn to produce the spark required for ignition.
6. Make certain the spark plug gap is 0.024 - 0.031 in. (0.6 - 0.8 mm).



7. Refer to the spark plug types in Specifications when replacing the plug.
8. Firmly re-install the plug.
9. Attach the spark plug cable to the spark plug.
10. Reinstall the spark plug access cap and maintenance cover.

Cleaning the Air Filter

1. Remove the maintenance cover.
2. Locate the air filter plastic cover. Remove the screw using a Phillips head screwdriver.



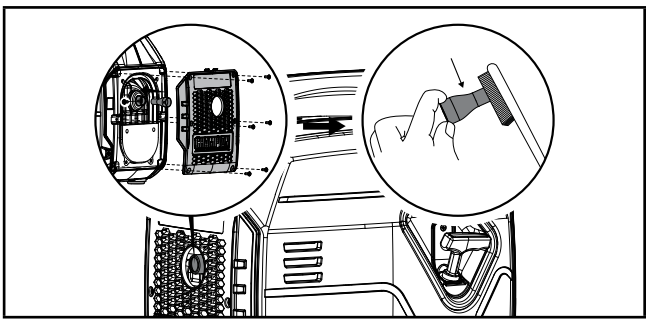
3. Remove the foam element.
4. Wash in liquid detergent and water. Squeeze thoroughly dry in a clean cloth.
5. Saturate in clean engine oil.
6. Squeeze in a clean, absorbent cloth to remove all excess oil.
7. Place the filter in the assembly.
8. Reattach the air filter cover.
9. Reinstall the maintenance cover and tighten the cover screw securely.

⚠ CAUTION

The filter element may contains PAHs, PAHs are harmful for your health. Please wear gloves for protection during air filter maintenance.

Cleaning the Spark Arrestor

1. Allow the engine to cool completely before servicing the spark arrestor.
2. Remove the 6 screws holding the cover plate on the muffler side of the generator.
3. Remove the screw which retains the spark arrestor to the muffler.
4. Remove the spark arrestor screen.
5. Carefully remove the carbon deposits from the spark arrestor screen with a wire brush.



6. Replace the spark arrestor if it is damaged.
7. Position the spark arrestor on the muffler and attach by reversing the steps from above.

⚠ CAUTION

Failure to clean the spark arrestor will result in degraded engine performance.

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 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 at +44 (0)1942 715 407 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 conditions.

Contact our Technical Support Team at +44 (0)1942 715 407 to locate the nearest CPE certified service dealer for your generator or engine maintenance needs.

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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
- ⛶ Clean spark arrestor
- ⛶ Clean fuel valve filter*

EVERY 250 HOURS

- ⛶ Clean combustion chamber*
- ⛶ Check/adjust valve clearance*

EVERY 3 YEARS

- ⛶ Replace fuel line*

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

STORAGE

⚠ DANGER

Gasoline and gasoline 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 gasoline directly into the generator. Use an approved container to transfer the fuel to the generator. Never use a gasoline container, gasoline tank, or any other fuel item that is damaged or appears damaged. DO NOT overfill the gasoline 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)

Gasoline in the gasoline tank has a maximum shelf life of up to 1 year with the addition of properly formulated fuel stabilizers and if stored in a cool, dry place. Gasoline in the carburetor, however, may gum up and clog the carburetor if it isn't used or drained within 2-4 weeks.

If using the generator within 2 weeks, follow the steps according to *Stopping the Engine* section.

1. If not using the generator for 2-4 weeks, begin by making sure all appliances are disconnected from the generator.
2. Start the generator as instructed in *Starting the Engine* section.
3. Let the engine run until fuel starvation has stopped the engine.
4. After the engine stops, turn the dial counterclockwise to the "STOP" position.

Mid Term Storage (30 days – 1 year)

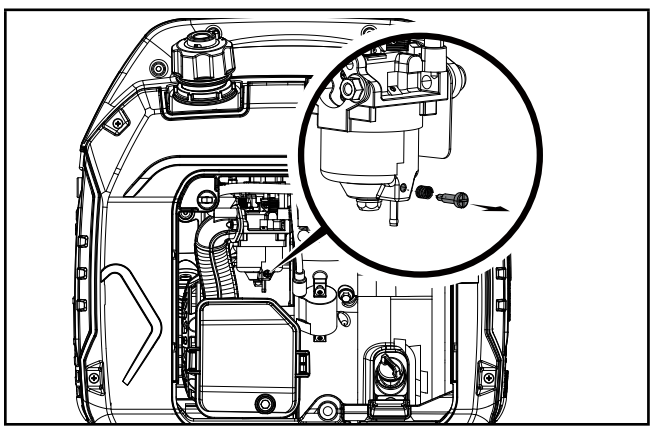
Gasoline in the tank has a maximum shelf life of up to 1 year with the addition of a properly formulated fuel stabilizer and stored in a cool, dry place.

1. Be sure all appliances are disconnected from the generator.
2. Add a properly formulated fuel stabilizer to the gasoline tank.
3. Start engine by following directions in the *Starting the Engine* section.
4. Run the generator for 10 minutes so the treated gasoline cycles through the fuel system and carburetor.
5. Let the engine run until fuel starvation has stopped the engine.
6. After the engine stops, turn the dial counterclockwise to the "STOP" position.
7. After fuel has run out and the engine has stopped, allow the engine to cool.
8. Remove maintenance cover.
9. Remove the spark plug and pour about a tablespoon of oil into the cylinder.
10. SLOWLY pull the recoil to rotate the engine to distribute and lubricate the cylinder.
11. Re-install the spark plug and spark plug wire.
12. Re-install the maintenance cover.
13. Clean the generator according to *Cleaning the Generator*.
14. Store the generator in a cool, dry place out of direct sunlight.

Long Term Storage (more than 1 year)

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

1. Be sure all appliances are disconnected from generator.
2. Place inverter on blocks to allow appropriate gasoline container or pan to slide under inverter.
3. Remove the maintenance cover.
4. Turn the fuel dial clockwise to the full “RUN” position.
5. Using a Phillips screwdriver, rotate drain screw counterclockwise (3) full turns. Gasoline will drain through clear tubing out underneath the inverter. Make sure draining gasoline empties into an appropriate container.



6. When gasoline stops flowing from the clear tube, rotate drain screw clockwise until tight. Properly dispose of the drained gasoline according to local regulations or guidelines.
7. Turn the fuel dial to the “STOP” position.
8. Follow steps 8-12 according to Short Term Storage.

Transportation

To prevent fuel spillage when transporting or during temporary storage, the washer 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 washer while it is on vehicle. Take the washer off the vehicle and use it in a well-ventilated place. Avoid a place exposed to direct sunlight when putting the washer on a vehicle.1f the washer 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 washer on board. If you must transport the washer on a rough road, drain the fuel from the washer beforehand.

Removing from Storage

If the generator has been improperly stored for a long period of time with gasoline in the gasoline 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 at +44 (0)1942 715 407.

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

1. Be sure the fuel dial is in the “STOP” position.
2. Add gasoline to the generator according to *Add Fuel.*
3. Move the fuel dial to the “RUN” position.
4. After 5 minutes check the carburetor and air filter areas for any leaking gasoline. If any leaks are found, the carburetor will need to be disassembled and cleaned or replaced. If no gasoline leaks are found, turn the fuel dial to the “STOP” 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*.

⚠ DANGER

Generator exhaust contains odorless and colorless carbon monoxide gas.

To avoid accidental or unintended ignition of your generator during periods of storage, the following precautions should be followed:

– When storing the generator make sure the fuel dial is set to the “STOP” position.

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SPECIFICATIONS

Generator Specifications

Generator Model	92001i-EU
Start Type	Manual
Watts (Starting/Running)	2500/1900
Volts AC	220
AC Amps @ 220V	8.6
Volts DC	12
DC Amps	8
Frequency	50 Hz
Max site altitude of installation	1500m
Measured sound pressure level (7m)	58dB(A)
Measured sound pressure level (4m)	72dB(A)
Noise measurement uncertainty	≤1.5 dB(A)
Guaranteed sound power level	97 dB(A))
Max Ambient Temp (°C / °F)	40°C /104°F
Phase	Single
Grounding Type	Floating Neutral
Weight	38.8 lb. (17.6 kg)
Length	17.3 in. (44 cm)
Width	11.5 in. (29.2 cm)
Height	17.7 in. (45 cm)

Engine Specifications

Model	148F-D
Displacement	79 cc
Type	4-Stroke OHV

Spark Plug

OEM Type	TORCH E5T
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)

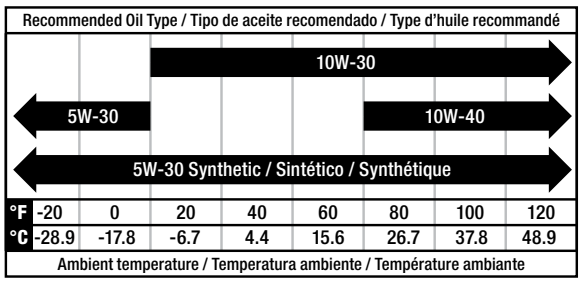
NOTICE

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

Oil Specifications

DO NOT OVERFILL.

Type	*See following chart
Capacity	16.9 fl. oz. (0.5 qt.)



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 gasoline with a minimum octane rating of 85 and an ethanol content of 10% or less by volume. DO NOT USE E15 or E85. DO NOT OVERFILL.

Gasoline Capacity	1.1 gal. (4 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.

TROUBLESHOOTING

Problem	Cause	Solution
Engine will not start.	No fuel.	Add fuel.
	Faulty spark plug.	Clean and adjust spark plug or replace.
	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.
	Old fuel or water in fuel.	Drain fuel and replace with fresh fuel.
	Flooded with fuel.	Let unit stand for 10 mins.
Engine starts but runs roughly.	Choke in the wrong position.	Move choke until it stops under RUN position or push in completely.
	Dirty air filter.	Clean or replace air filter.
	Dirty fuel valve.	Clean the fuel valve.
	Clogged spark arrestor.	Clean spark arrestor.
Engine 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.
	Clogged spark arrestor.	Clean spark arrestor.
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.
	Choke in wrong position.	Move choke until it stops under RUN position or push in completely.
Engine is running but no AC output.	Poor cord connection.	Check all connections.
	Circuit breaker is open.	Reset circuit breaker.
	Loose wiring.	Inspect and tighten wiring connections.
	Other.	Contact the help line.
Engine hunts or falters.	Engine governor defective.	Contact the help line.
	Dirty fuel valve.	Clean the fuel valve.
	Carburetor is dirty and running lean.	Contact the help line.
	Choke in wrong position.	Move choke until it stops under RUN position or push in completely.
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.
	Circuit breaker still too hot.	Let unit sit for 5 mins.

For other issues and technical support:

Technical Support Team
Mon-Fri 8:30 AM-5:00 PM (PST/PDT)
Toll Free +44 (0)1942 715 407
support@championpowerequipment.co.uk

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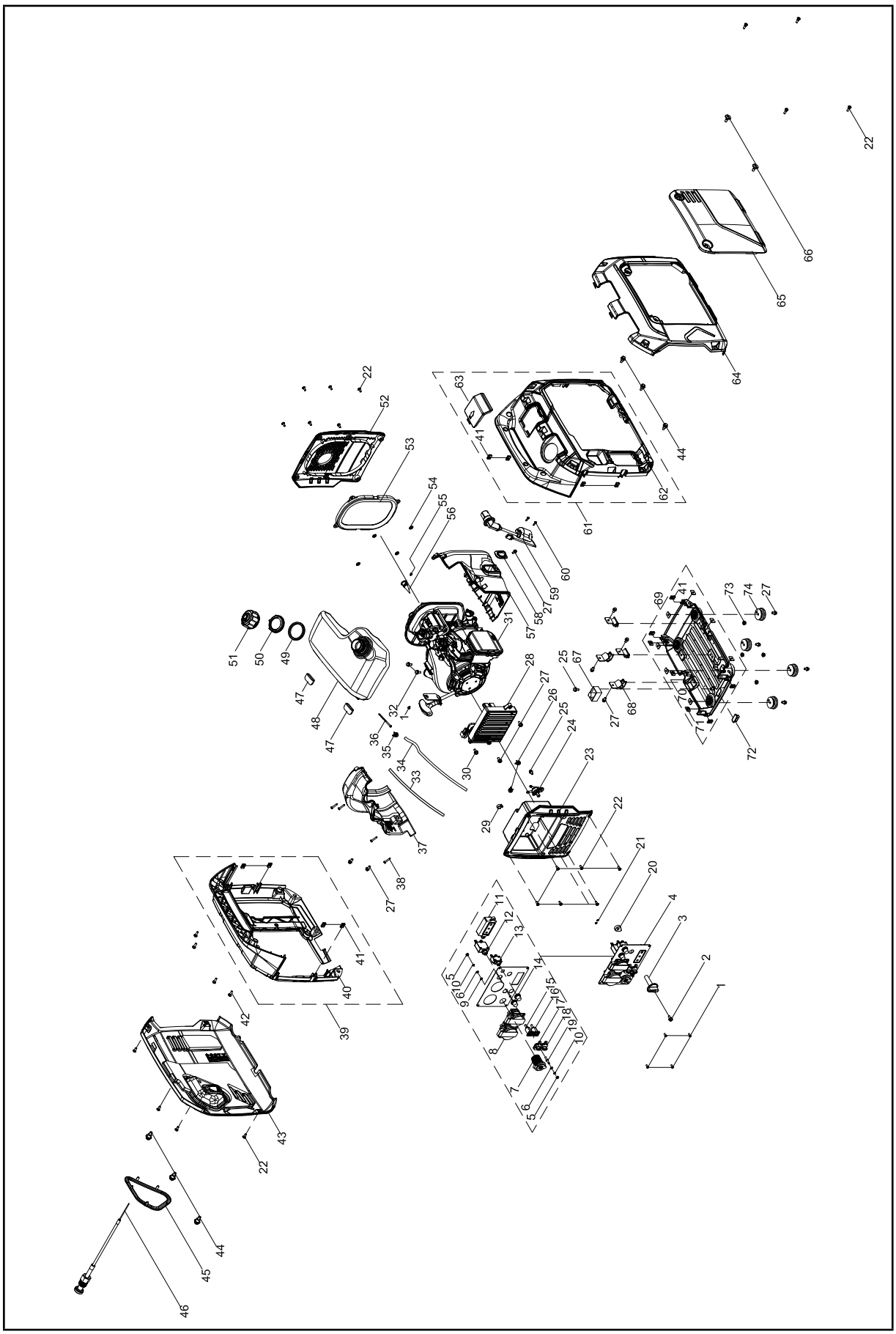
Parts Diagram

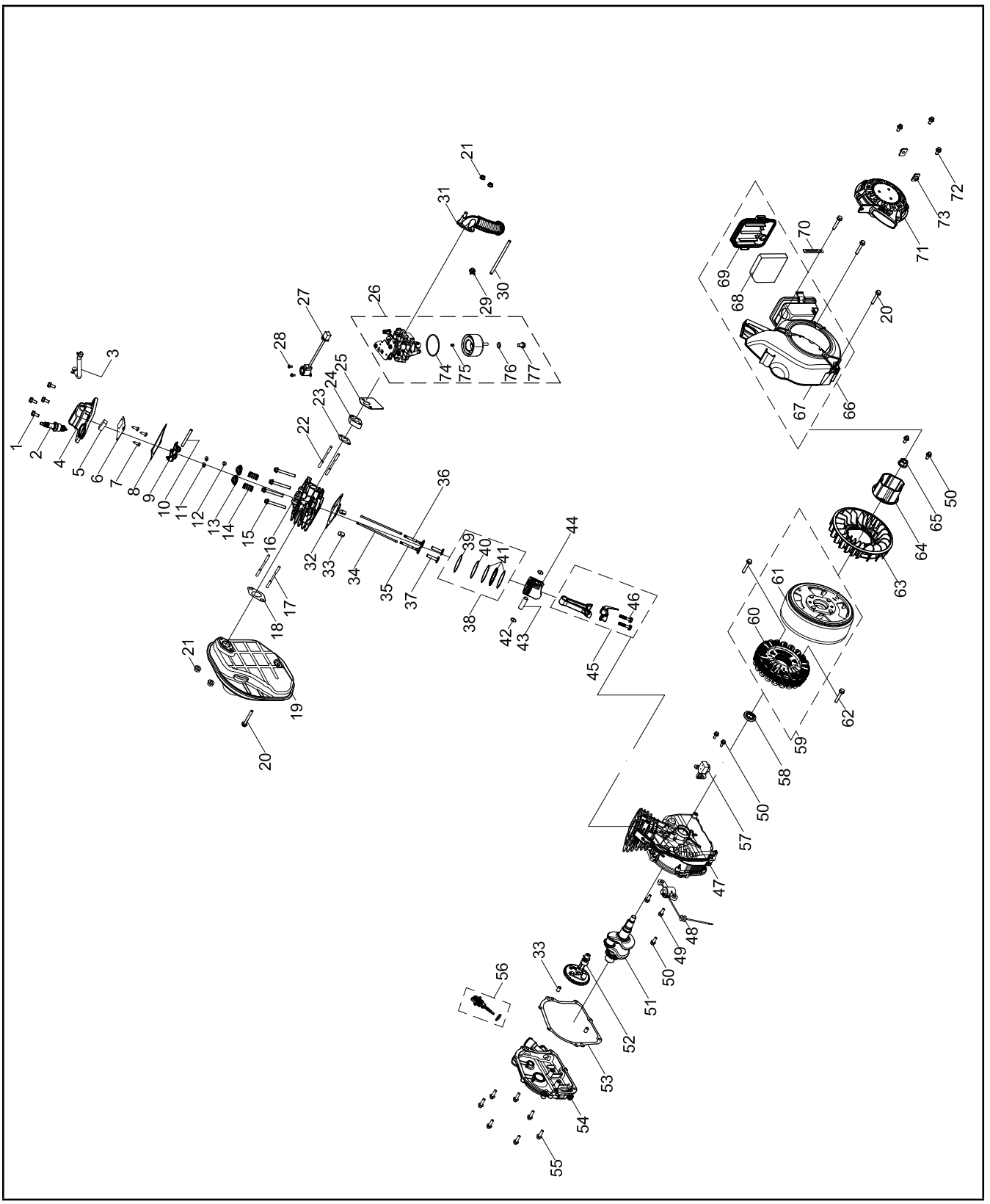


Parts List

#	Part Number	Description	Qty.
1	100010946-0001	Screw M4 x 10	5
2	100095857-0005	Bolt M4 x 18	1
3	100072724	Fuel Valve Lever	1
4	100142156-0001	Panel Assembly	1
5	100088270	Receptacle Cover GFCI 5-20R, Duplex	1
6	100010886-0004	Spring Washer Ø6	2
7	100092320	Ground Stud	1
8	100150096-0002	Grid Socket Cover, Square, Black	1
9	100150096-0001	Grid Socket Cover, Square, Red	1
10	100091059-0002	Grid Socket, Square, Black	1
11	100091059-0001	Grid Socket, Square, Red	1
12	100120180	Breaker Cover	2
13	100019747	20Amp Circuit Breaker, Push Button	1
14	100057719	8Amp Circuit Breaker, Push Button	1
15	100020029	Receptacle 5-20R, Duplex	1
16	100011421-0003	Flange Nut M6	2
17	100142155	Igniter	1
18	100010910-0003	Flat Washer Ø6	2
19	100011025-0001	Lock Washer Ø6, Toothed	1
20	100019782	Cigarette Lighter Receptacle, 12 DC	1
21	100074968	Cable	1
22	100083841	Switch Block	1
23	100091757	Circlip, Bearing Holder, Ø1.8 x Ø6	2
24	100081995	Step Bolt	20
25	100142063-0001	Protect Panel	1
26	100126150	Fuel Valve, Angle 45°	1
27	100011571-0001	Big Flange Bolt M6 x 14	2
28	100005149	Calmp 1, Ø7.5	2
29	100011570-0001	Big Flange Bolt M6 x 12	13
30	100142154	Inverter, 120V 60Hz	1
31	100000671	Clip Ø13	1
32	100011249-0003	Bolt M5 x 12	1
33	1ZC7DFB04	Engine 79cc	1
34	100033099-0006	Big Flange Bolt M6 x 18	2
35	100131884	Tube Sheath, Silicon Resin	1
36	100131883	Fuel Tube, L=275mm	1
37	100090871	Calmp 2, Ø9.7 x 8	1
38	100009020	Fuel Strainer	1
39	100072874	Rear Air Guide	1
40	100011004-0001	Self-tapping Screw ST4.2 x 25	4
41	100092440-0007	Housing Assembly, Left Handle, Black	1
42	100139137	Housing, Left Handle, Black	1
43	100050562	Threaded Clamp	12
44	100033079-0003	Screw M5 x 16	4
45	100142060-0002	Outlook Cover Plate, Left, Yellow	1
46	100081994	Shaft Locating Bolt	6
47	100092446	Protect Board, Starter Handle	1
48	100072727	Rubber Pad	2
49	100087371	Fuel Tank, 4 L	1
50	100073150	Rubber Washer	1
51	100008887	Lock Nut	1
52	100072726-0001	Fuel Tank Cap	1
53	100142062-0001	Window-blinds, Muffler, Black	1
54	100072722	O-ring Seal	1
55	100087972	Retainer Ring	4
56	100011000-0001	Self-tapping Screw ST4.2 x 9.5	1
57	100085794	Spark Arrester Assembly	1
58	100072875	Front Air Guide	1
59	100072878	Oil Seal	1
60	100075041	Ignition Coil	1
61	100093250-0005	Self-tapping Screw ST4.8 x 20	2
62	100092441-0007	Housing Assembly, Right Handle, Black	1
63	100139138	Housing, Right Handle, Black	1
64	100092444-0005	Maintenance Cover Plate, Black	1
65	100142057-0001	Handle The Skeleton, Right, Yellow	1

#	Part Number	Description	Qty.
66	100142061-0001	Outlook Cover Plate, Yellow	1
67	100146896	Handle Washer	2
68	100146895	Handle Spring	2
69	100146894-0001	Tighten Handle Lever	2
70	100142059-0001	Tighten The Handle	2
71	100090005	Rectifier Bridge With Capacitance	1
72	100072715	Vibration Mount, Support	4
73	100088546	Bottom Plate Assembly	1
74	100072711	Bottom Plate, Black	1
75	100072994	Step Nut M6	10
76	100072710	Rubber Damper	1
77	100011452-0003	Nut M6	4
78	100072712	Base	4
79	100154370-0001	Maintenance Cover Plate Assembly	1

Engine Parts Diagram



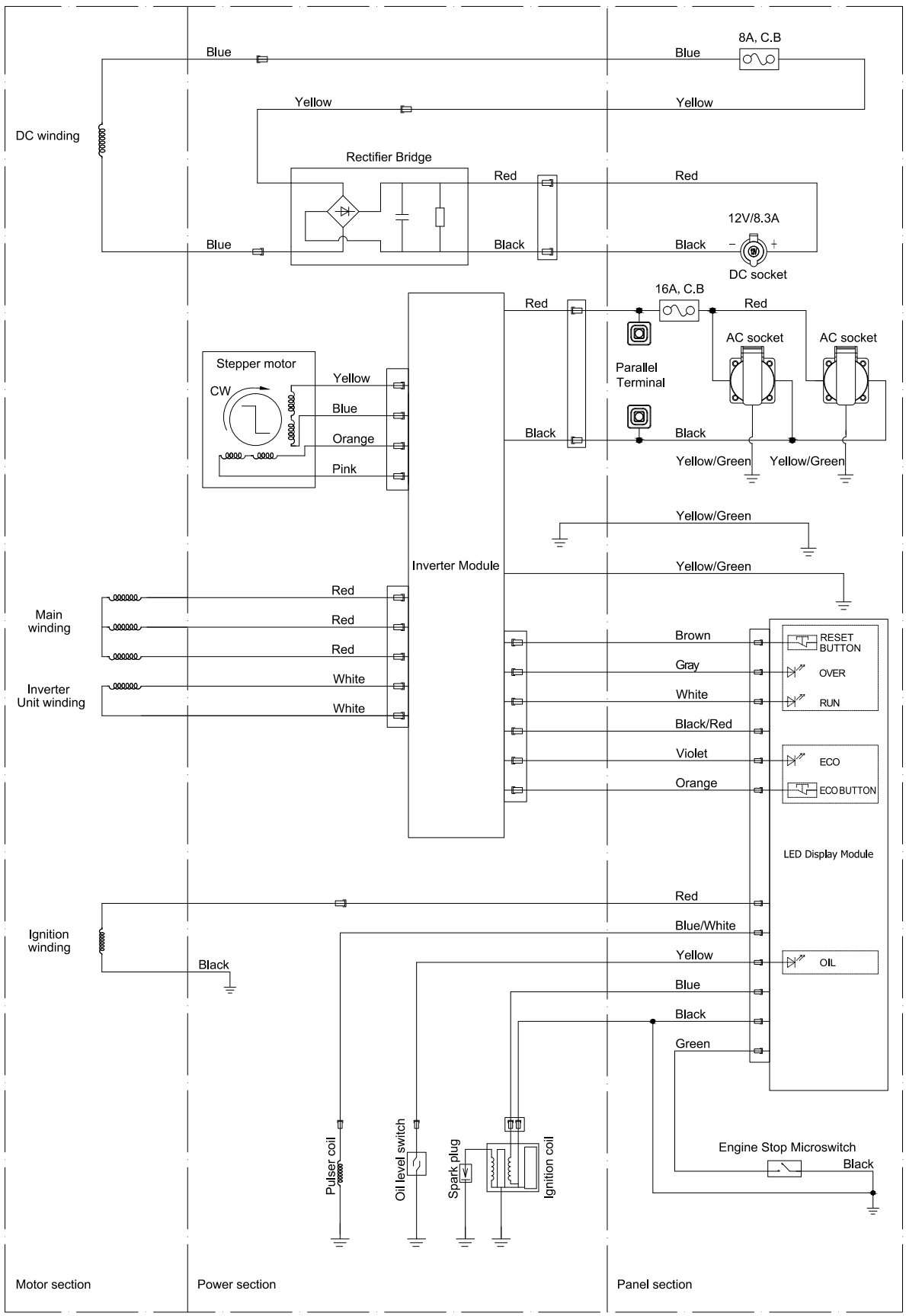
Engine Parts List

#	Part Number	Description	Qty.
1	100033099-0008	Big Flange Bolt M6 x 18	4
2	100097810	Spark Plug(E6RTC)	1
3	100154528-0001	Breather Tube	1
4	100072876-0001	Cylinder Head Cover Assembly	1
5	100085696	Strainer, Cylinder Head Cover	1
6	100085695	Inner Cover, Cylinder Head Cover	1
7	100005133-0001	Cross Screw M3 x 6.5	3
8	100075052	Gasket, Cylinder Head Cover	1
9	100075054	Rocker Arm Assembly	2
10	100075053	Shaft, Rocker Arm	1
11	100075055	Valve Collet	2
12	100075058	Oil Drip Pan	1
13	100075056	Valve Spring Seat, 182F	2
14	100075057	Spring Valve	2
15	100011275-0005	Flange Bolt M6 x 50, GB5789	4
16	100072877	Cylinder Head	1
17	100088412-0001	Stud Bolt M6 x 73	2
18	100075043	Muffler Pad	1
19	100065662-0001	Exhaust Muffler Assembly	1
20	100011277-0004	Flange Bolt M6 x 60, GB5789	4
21	100011452-0010	Lock Nut M6, Flange	4
22	100010348-0001	Stud Bolt M6 x 87	2
23	100075050	Gasket, Carburetor	1
24	100075049	Insulator, Carburetor	1
25	100075048	Gasket, Insulator	1
26	100154463-0001	Carburetor	1
27	100061512	Stepping Motor	1
28	100051029-0003	Screw M4 x 6	2
29	100005149	Clamp 1, Ø7.5	1
30	100087351-0001	Oil Tube	1
31	100075035	Air Filter Hose	1
32	100085694	Gasket, Cylinder Head	1
33	100010549	Dowel Pin Ø8 x 12	4
34	100075061	Push Rod	2
35	100075059	Valve Exhaust	1
36	100075060	Valve Intake	1

#	Part Number	Description	Qty.
37	100075036	Lifter, Valve	2
38	100075040	Piston Ring Set	1
39	100088147	1st Piston Ring	1
40	100088148	2nd Piston Ring	1
41	100088146	Oil Ring	1
42	100075038	Circlip	2
43	100075039	Wrist Pin	1
44	100075034	Piston	1
45	100075037	Connecting Rod	1
46	100091043	Bolt, Connecting Rod	2
47	100085410	Crankcase	1
48	100075063-0002	Oil Level Sensor	1
49	100031967-0008	Big Flange Bolt M6 x 16	2
50	100011570-0008	Big Flange Bolt M6 x 12	5
51	100065663	Crankshaft	1
52	100095334	Camshaft	1
53	100075062	Gasket, Crankcase Cover	1
54	100072617	Cover, Crankcase	1
55	100031968-0003	Big Flange Bolt M6 x 20	7
56	100084322-0004	Oil Dipstick Assembly, Black	1
57	100092649-0001	Trigger	1
58	100085697	Oil Seal Ø20 x Ø32 x 6	1
59	100159353-0001	Alternator Assembly, Ø150 x 44.5 mm	1
60	100158711-0001	Stator Assembly, Fe, Ø120 x 21 mm	1
61	100085871-0001	Rotor Assembly, Permanent Magneto, Ø150 x 44.5 mm	1
62	100011223-0002	Flange Bolt M6 x 32	2
63	100072871	Cooling Fan	1
64	100072872-0001	Pulley, Starter	1
65	100033063-0002	Flange Nut M12 x 1.25	1
66	100072873	Fan Cover Assembly	1
67	100085054	Fan Cover, Black	1
68	100075483-0001	Air Filter Element	1
69	100075482-0001	Air Filter Cover	1
70	100000655	Wire Clip B	1
71	100075051-0002	Recoil Starter Assembly, Black	1
72	100011571-0002	Big Flange Bolt M6 x 14	3

#	Part Number	Description	Qty.
73	100072994-0001	Step Nut M6	2
74	100131960	Fuel Bowl O-Ring	1
75	100131970	Main Jet Standard	1
	100132397	Main Jet Altitude 1000-2000m	/
	100155679	Main Jet Altitude 2000-3000m	/
76	100006037	Fuel Bowl Mounting Bolt Gasket	1
77	100131964	Fuel Bowl Mounting Bolt	1

Wiring Diagram

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