

# CHAMPION

GLOBAL POWER EQUIPMENT

TM-MC

OWNER'S MANUAL



Intertek

Certified to  
CSA Standard  
C22.2 No. 100



15000 Starting Watts / 12000 Running Watts  
Electric start

# PORTABLE GENERATOR



MODEL NUMBER

100111

SAVE THESE INSTRUCTIONS  
Important safety instructions  
are included in this manual.

MADE IN CHINA  
REV 100111-20210122

12039 Smith Ave.  
Santa Fe Springs CA 90670  
USA / 1-877-338-0999  
[www.championpowerequipment.com](http://www.championpowerequipment.com)

**AN IMPORTANT MESSAGE ABOUT TEMPERATURE:**

Your Champion Power Equipment product is designed and rated for continuous operation at ambient temperatures up to 40°C (104°F). When your product is needed your product may be operated at temperatures ranging from -15°C (5°F) to 50°C (122°F) for short periods. If the product is 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 other vents.

**Have questions or need assistance?**

Do not return this product to the store!

**WE ARE HERE TO HELP!**

Visit our website:

**[www.championpowerequipment.com](http://www.championpowerequipment.com)**

for more info:

- Product Info & Updates
- Tech Bulletins
- Frequently Asked Questions
- Product Registration

– or –

Call our Customer Care Team Toll-Free at:

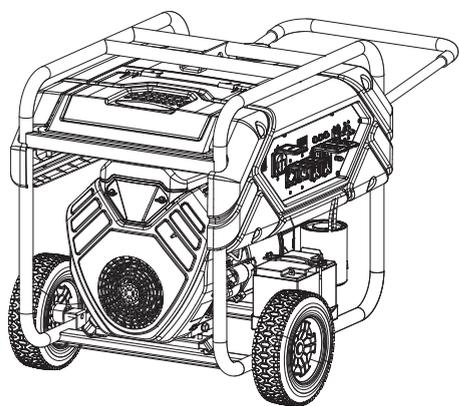
**1-877-338-0999**

**Parts Ordering:**

Mon – Fri 8:30 AM – 5:00 PM (PST/PDT)

Toll Free: 1-877-338-0999

\*We are always working to improve our products. Therefore, the enclosed product may differ slightly from the image on the cover.



# 15000 Starting Watts / 12000 Running Watts Electric start **PORTABLE GENERATOR**

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# INTRODUCTION

## Introduction

Congratulations on your purchase of a Champion Power Equipment product. Champion Power Equipment and Champion Engine Technology 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, and we reserve the right to change, alter and/or improve the product and this document at any time without prior notice.

Since CPE/CET highly value how our products are designed, manufactured, operated and are serviced, and also highly value your safety and the safety of others, we would like you to take the time 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 error on the side of caution when operating the product to ensure no accidents, property damage, or injury occurs. We want you to continue to use and be satisfied with your CPE/CET product for years to come.

Record the model and serial numbers as well as date and place of purchase for future reference. Have this information available when ordering parts and when making technical or warranty inquiries.

<b>Champion Power Equipment Support</b>
<b>1-877-338-0999</b>
Model Number
<b>100111</b>
Serial Number
Date of Purchase
Purchase Location
For <b>Oil Type</b> see 'Add Engine Oil' section. For <b>Fuel Type</b> see 'Add Fuel' section.

This manual uses the following symbols to help differentiate between different kinds of information. The safety symbol is used with a key word to alert you to potential hazards in operating and owning power equipment.

Follow all safety messages to avoid or reduce the risk of serious injury or death.

 **DANGER**

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

 **WARNING**

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

 **CAUTION**

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

**CAUTION**

CAUTION used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, **may** result in property damage.

 **NOTE**

If you have questions regarding your generator, we can help. Please call our help line at **1-877-338-0999**

# SAFETY RULES

## WARNING

Read this manual thoroughly before operating your generator. Failure to follow instructions could result in serious injury or death.

## WARNING

Cancer and Reproductive Harm –  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## DANGER

Generator exhaust contains carbon monoxide, a colorless, odorless, poison 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.

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 CARBON MONOXIDE:** using a generator indoors **CAN KILL YOU IN MINUTES.**

## DANGER

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.  
Operate equipment with guards in place.  
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.  
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.  
Use approved transfer equipment to isolate generator from your electric utility and notify your utility company before connecting your generator to your power system.

## WARNING

Sparks 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.  
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

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.

** DANGER**

Fuel and fuel vapors are highly flammable and extremely explosive.  
Fire or explosion can cause severe burns or death. Unintentional startup can result in entanglement, traumatic amputation or laceration.

**When adding or removing fuel:**

Turn the generator off and let it cool for at least two minutes before removing the fuel cap. Loosen the cap slowly to relieve pressure in the tank.  
Only fill or drain fuel outdoors in a well-ventilated area. DO NOT pump gas directly into the generator at the gas station. Use an approved container to transfer the fuel to the generator.  
DO NOT overfill the fuel tank.  
Always keep fuel away from sparks, open flames, pilot lights, heat and other sources of ignition.  
DO NOT light or smoke cigarettes.

**When starting the generator:**

DO NOT attempt to start a damaged generator.  
Make certain that the gas cap, air filter, spark plug, fuel lines and exhaust system are properly in place.  
Allow spilled fuel 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 shutoff valve is in the off position and the fuel tank is empty.  
Disconnect the spark plug wires.  
If generator has been running, allow to cool before transporting or servicing.

**When storing the generator:**

Store away from sparks, open flames, pilot lights, heat and other sources of ignition. If generator has been running, allow to cool before storing.

** CAUTION**

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

DO NOT overload the generator.  
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 before stopping the generator.  
DO NOT tamper with the governed speed.  
DO NOT modify the generator in any way.

** CAUTION**

Improper treatment or use of the generator can damage it, shorten its life and void your 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

** WARNING**

Lift bar is designed to carry ONLY the weight of the generator.

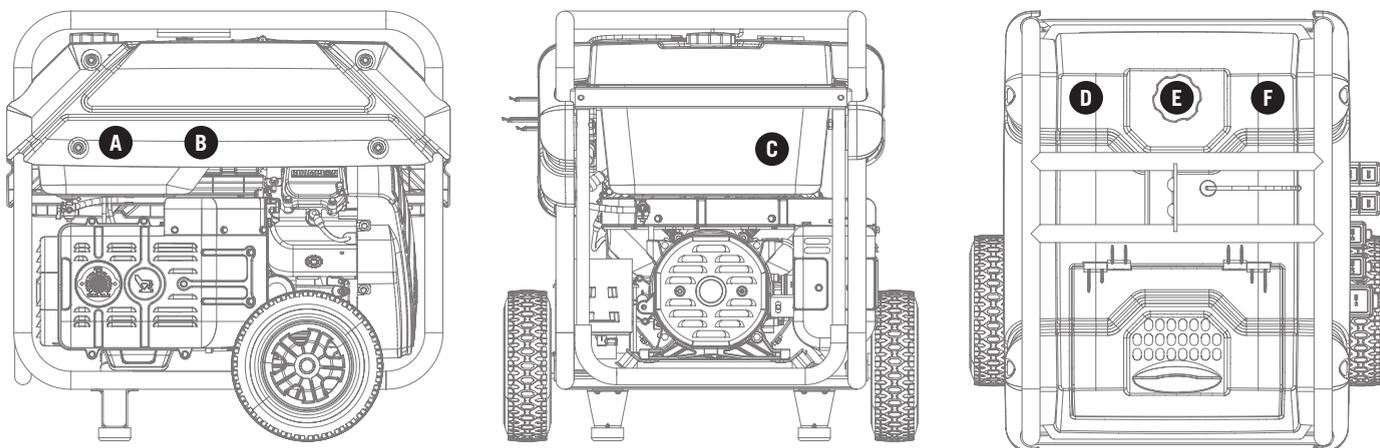
DO NOT overload the lift bar. DO NOT place anything on top of, in the frame of, or attach to the generator prior to lifting. Stand clear when generator is lifted off the ground. Do not stand, walk or pass under the generator, or allow anyone to pass under it when lifting. A falling generator can result in bodily injury, death, and/or property damage. DO NOT lift while the generator is running. Unplug all items from power panel before lifting. Lift using a lift strap or hook through the holes in the lift bar. DO NOT attempt to refuel or perform any maintenance while the generator is in the air at any height.

# SAFETY RULES

## Safety Label Locations

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

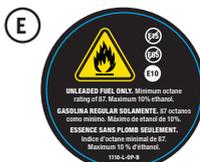
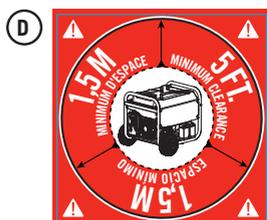
If a label comes off or becomes hard to read, contact Champion Power Equipment's customer service department for possible replacement.



A		<b>⚠ WARNING</b> DO NOT TOUCH! Operation of this equipment may create sparks that can start exhaust gases, muffler, and engine components that are extremely HOT and cause burns. If installed, clean every 100 hours or every season.	<b>⚠ ADVERTENCIA</b> ¡NO TOCAR! Los gases de escape, el silenciador y los componentes del motor están extremadamente CALIENTES y causan quemaduras.	<b>⚠ AVERTISSEMENT</b> NE PAS TOUCHER! Cet équipement peut créer des étincelles et provoquer un incendie dans la végétation sèche. Un pare-étincilles peut être requis. L'utilisateur doit communiquer avec le service d'incendie local pour connaître les lois et règlements en matière de prévention des incendies. Si elle est installée, nettoyez la génératrice toutes les 100 heures ou chaque saison.

B		<b>⚠ CAUTION</b> A transfer switch MUST be used when connecting generator to a building's electrical system. See Owner's Manual.	<b>⚠ PRECAUCIÓN</b> Es OBLIGATORIO usar un interruptor de transferencia cuando se conecta el generador al sistema eléctrico de un inmueble. Vea el manual del propietario.	<b>⚠ MISE EN GARDE</b> Le commutateur de transfert DOIT être utilisé pour connecter la génératrice au système électrique d'un immeuble. Consultez le manuel du propriétaire.

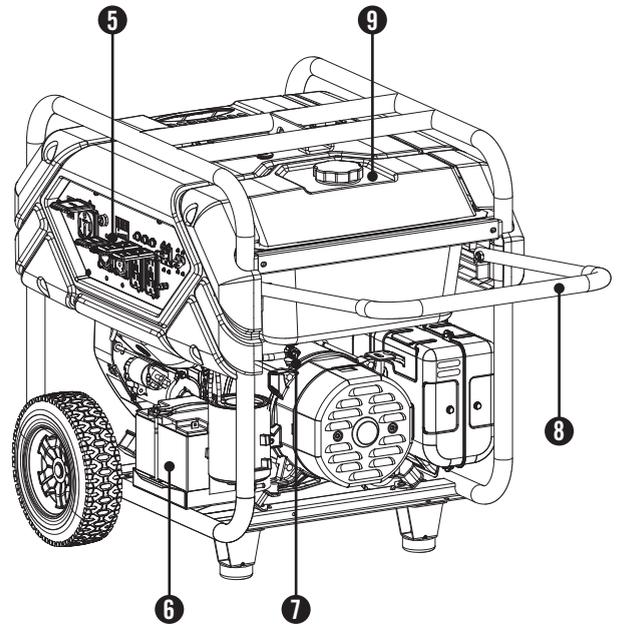
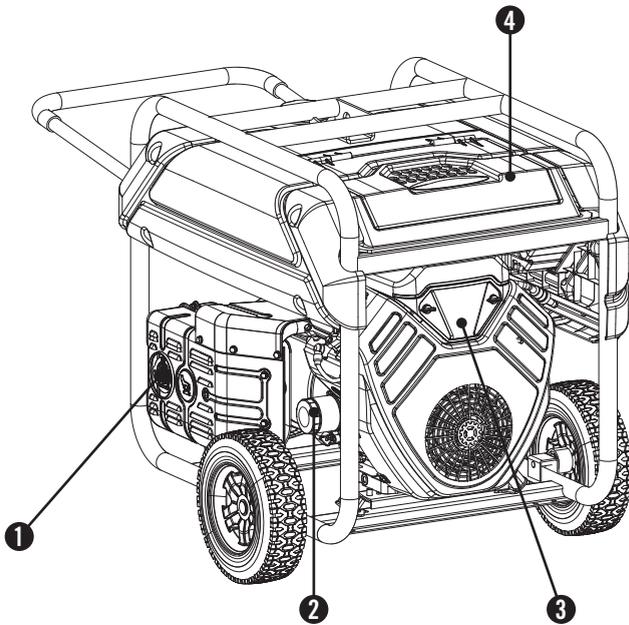
C	<b>⚠ DANGER</b> FOR USE IN A WEATHER-PROTECTED AREA ONLY. DO NOT EXPOSE TO RAIN.	<b>⚠ PELIGRO</b> PARA USO EN AREAS DEPLAJADAS SOLAMENTE. NO EXPOSER A LA LLUVIA.	<b>⚠ DANGER</b> EMPLOYEZ UNIQUEMENT DANS UN EMPLACEMENT A L'ABRI DES INTÉMPÉRIES. NE PAS EXPOSER À LA PLUIE.
	<b>⚠ WARNING</b> Read and follow all operating instructions before running engine.	<b>⚠ ADVERTENCIA</b> Lea y acate todas las instrucciones de operación antes de encender el motor.	<b>⚠ AVERTISSEMENT</b> Lisez et suivez les instructions avant de faire fonctionner le moteur.
	<b>⚠ WARNING</b> Gasoline and propane (LPG) are extremely flammable. Check for liquid fuel or fuel leaks. If one is found, shut off fuel supply and stop engine immediately. Allow to cool at least 2 minutes before refueling.	<b>⚠ ADVERTENCIA</b> La gasolina y el gas propano (GLP) son extremadamente inflamables. Verifique si tiene combustible derramado o fugas de combustible. Si una es encontrada, suspenda el suministro y pare el motor inmediatamente. Permita que se enfríe por los menos 2 minutos antes de reabastecerlo.	<b>⚠ AVERTISSEMENT</b> L'essence et le propane (GPL) sont extrêmement inflammables. Vérifier la présence de carburant renversé et de fuites de carburant. Si vous en trouvez, coupez la source d'alimentation en carburant et arrêtez le moteur immédiatement. Laissez-le refroidir au moins 2 minutes avant de remettre du carburant.
	<b>⚠ CAUTION</b> FOR ELECTRICAL EQUIPMENT ONLY.	<b>⚠ PRECAUCIÓN</b> PARA EQUIPOS ELÉCTRICOS SOLAMENTE.	<b>⚠ MISE EN GARDE</b> POUR MATÉRIEL ÉLECTRIQUE SEULEMENT.



F	<b>⚠ DANGER</b> Using a generator indoors CAN KILL YOU IN MINUTES. Generator exhaust contains carbon monoxide. This is a poison you cannot see or smell.	<b>⚠ PELIGRO</b>	<b>⚠ DANGER</b>
	<b>NEVER</b> use inside a home or garage, EVEN IF doors and windows are open.	<b>ONLY</b> use OUTSIDE and far away from windows, doors, and vents.	
	<b>El uso de un generador en interiores PUEDE MATARLO EN MINUTOS.</b> El escape del generador contiene monóxido de carbono. Este es un veneno que no se puede ver ni oler.	<b>Nunca</b> lo use dentro del hogar ni el garaje, INCLUIDO si las puertas y ventanas están abiertas.	<b>Úselo SÓLO a la INTemperie</b> lejos de ventanas, puertas, y orificios de ventilación.
	<b>Utiliser un générateur à l'intérieur PEUT VOUS TUER EN QUELQUES MINUTES.</b> L'échappement du générateur contient du monoxyde de carbone. Il s'agit d'un poison que vous ne pouvez ni voir ni sentir.	<b>Ne l'utilisez JAMAIS dans la maison ou le garage MEME si les portes et les fenêtres sont ouvertes.</b>	<b>Utilisez-le UNIQUEMENT à l'EXTÉRIEUR,</b> loin des fenêtres, portes et trappes de ventilation.

Read this owner'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) **Spark Plug Arrester and Muffler**

(2) **Oil Filter**

(3) **Air Filter Cover**

(4) **Engine Access Cover**

(5) **Power Panel** – See “Power Panel” section.

(6) **Battery** – Used to start the engine.

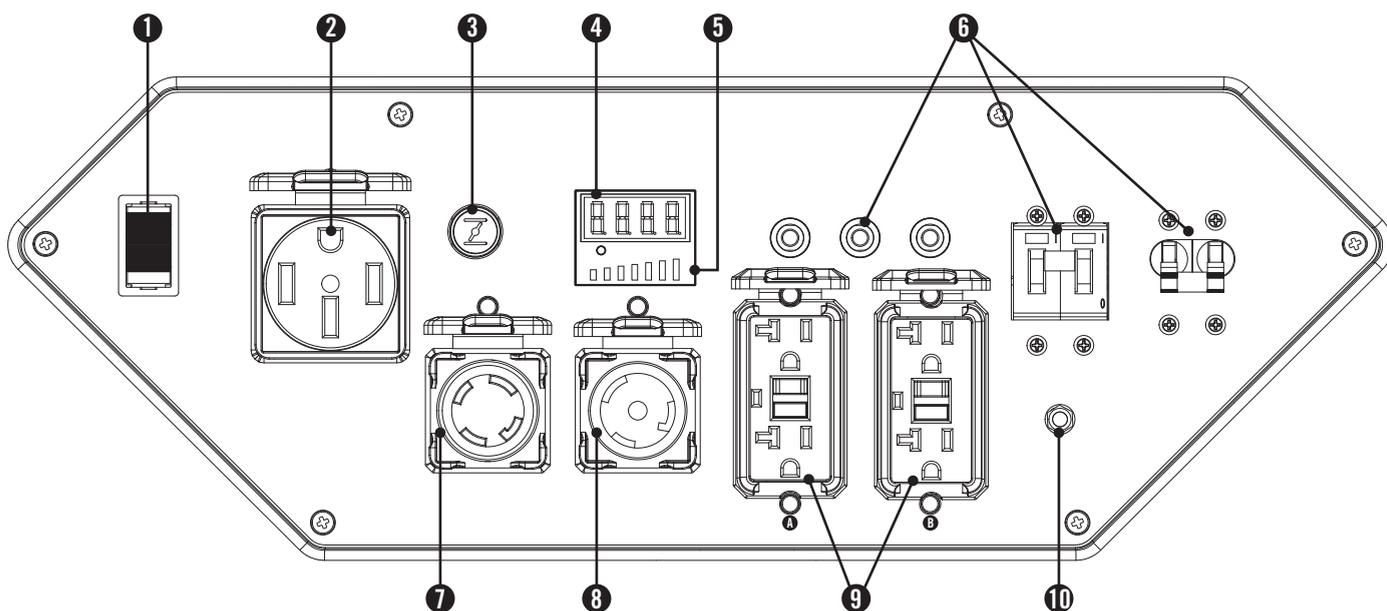
(7) **Fuel Valve** – Used to turn fuel supply on and off to engine.

(8) **Handle**

(9) **Fuel Tank** – 10.9 gallon (41.2 L) capacity fuel tank.

# CONTROLS AND FEATURES

## Power Panel



- (1) **Ignition Switch** – Press the switch to the “START” position to start the generator. Flip to the “OFF” position to turn off the generator.
- (2) **120/240 Volt AC / 50 Amp Receptacle** (NEMA 14-50R) – May be used to supply electrical power for the operation of 120 and/or 240 Volt AC, single phase 60 Hz electrical loads.
- (3) **Choke** – Used to start the engine.
- (4) **Intelligauge** – Cycles through four modes displaying voltage, frequency, running time, and total time for approximately five seconds each. If an over-voltage condition occurs, the display will only show the voltage and will be blinking. If the voltage continues to rise, the display will blink “EEEE”. The generator is to be shut off immediately in an over-voltage condition.
- (5) **Power Meter** – Displays the generator’s output in reference to its rated wattage. The greater the output the more LED’s illuminate. The LED bars will light up from green to orange. If the orange LEDs light up, the generator is overloaded. Stop use of equipment and disconnect immediately to stop overloading. **DO NOT OVERLOAD THE GENERATOR.**
- (6) **Circuit Breakers** – Protects the generator against electrical overloads.
- (7) **120/240 Volt AC / 30 Amp Twist-Lock Receptacle** (NEMA L14-30R) – May be used to supply electrical power for the operation of 120 and/or 240 Volt AC, single phase 60 Hz electrical loads.
- (8) **120 Volt AC / 30 Amp Twist-Lock Receptacle** (NEMA L5-30R) – May be used to supply electrical power for the operation of 120 Volt AC, single phase 60 Hz electrical loads.
- (9) **120 Volt AC / 20 Amp Duplex (2)** (GFCI 5-20R) – May be used to supply electrical power for the operation of 120 Volt AC, single phase 60 Hz electrical loads.
- (10) **Ground Terminal** – Consult an electrician for local grounding regulations.

## Parts Included

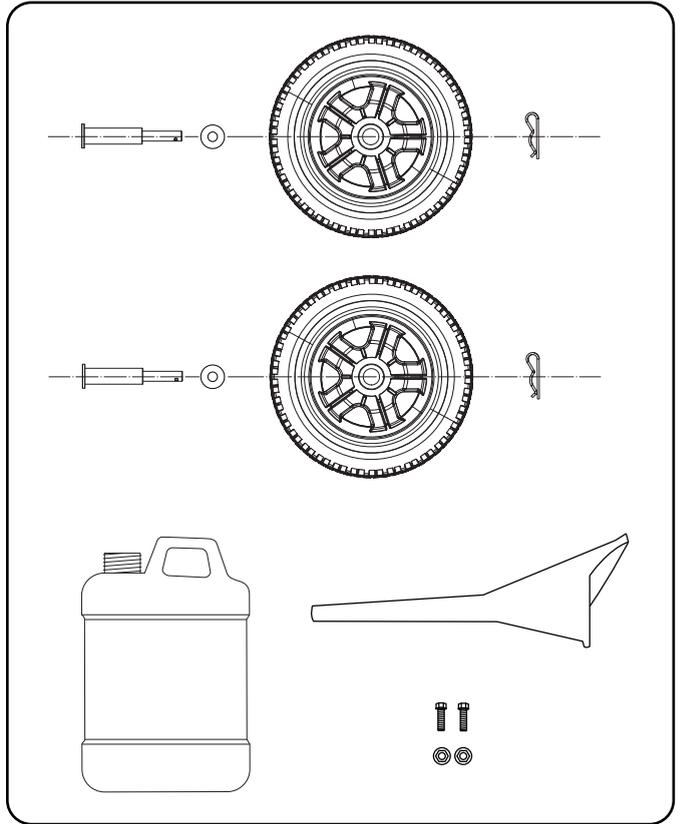
Your 100111 gasoline powered enerator ships with the following parts:

### Wheel Kit

- 12 in. Wheel . . . . . 2
- Pin Roll Ø16 x Ø12 x 116 (for Wheel). . . . . 2
- "R" Shape Pin . . . . . 2
- Washer Ø12 . . . . . 2

### Other

- Oil Funnel . . . . . 1
- Engine Oil . . . . . 1
- Flange bolt M5x12 for battery. . . . . 2
- Flange lock nut M5 . . . . . 2



# ASSEMBLY

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

If you have any questions regarding the assembly of your generator, call our help line at 1-877-338-0999. Please have your serial number and model number available.

## Remove the Generator from the Shipping Carton

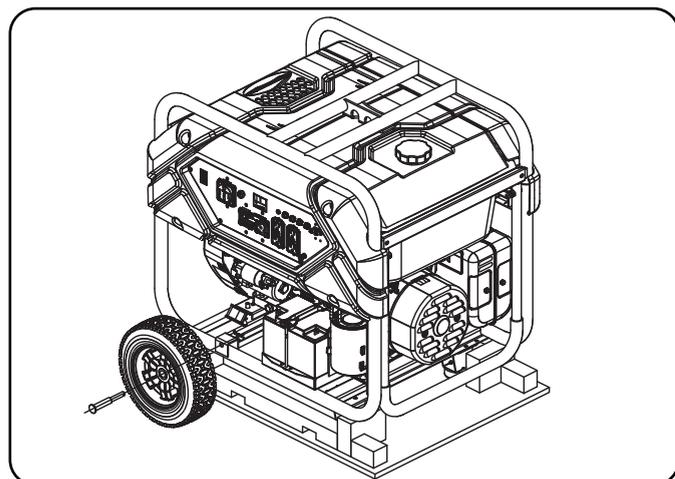
1. Set the shipping carton on a solid, flat surface.
2. Remove the cardboard completely from over the generator.
3. Remove everything from the carton/pallet, except the generator.

## Install the Wheel Kit

### ⚠ CAUTION

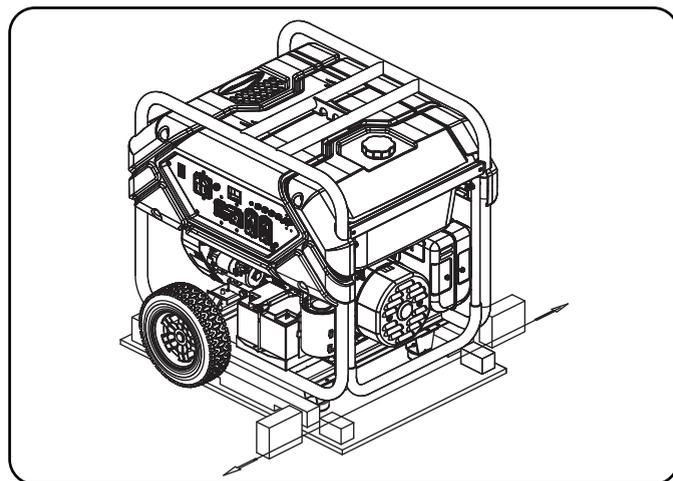
The wheel kit is not intended for over-the-road use.

1. Make sure all items have been removed from the shipping carton/pallet and double check for any items that may be in the generator frame.
2. With the generator still on the pallet install the wheel.
3. Slide the wheel pin roll through the wheel from the outside.
4. Slide the wheel pin roll through the mount point on the frame.
5. Slide the washer and secure with the R-Pin.
6. Secure with the R-Pin.

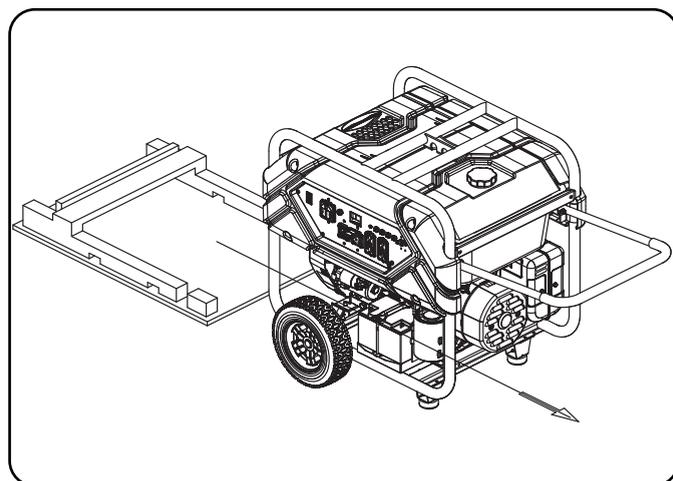


## Install the Wheel Kit Cont'd.

7. Repeat steps 2-5 to attach the second wheel.
8. Remove wooden blocks from behind the support leg.



9. Slide the unit forward until the wheels touch the ground. Then raise handle to pull the unit out from the wood pallet.



## Connect the Battery

1. Remove the protective cover from the red (+) lead on the battery.
2. Attach the red (+) lead to the red (+) terminal on the battery with the cap screw (M5x12) and secure with the lock washer (M5).
3. Repeat steps 1-2 for the black (-) battery lead.

Add Engine Oil

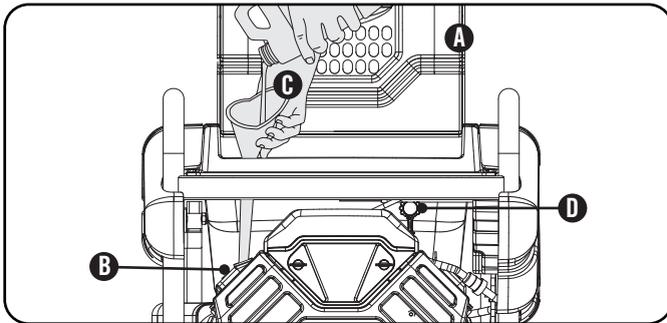
**CAUTION**

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 failure to follow these instructions will void your warranty.

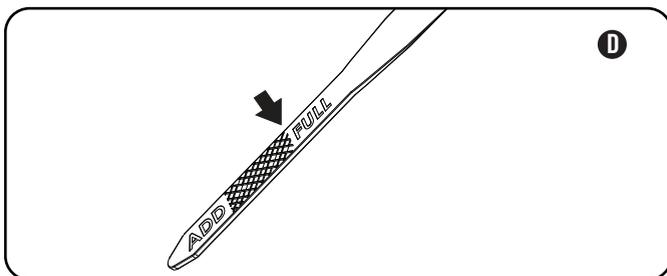
**NOTE**

The recommended oil type is 10W-30 automotive oil.

1. Place generator on a flat, level surface.
2. Open the engine access cover (A).



3. Remove oil fill cap by rotating ¼ turn counterclockwise (B).
4. Using funnel fill to full mark on dipstick. DO NOT OVERFILL.  
Volume for first use or oil change without oil filter change: 1.1 qt.(1 L).  
Volume after oil and oil filter change: 1.4 qt.(1.3 L).
5. Check engine oil level on dipstick (D). Add as needed. DO NOT OVERFILL.



6. Replace oil fill cap by rotating ¼ turn clockwise.
7. Close engine access cover.

Add Engine Oil Cont'd.

**CAUTION**

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

**NOTE**

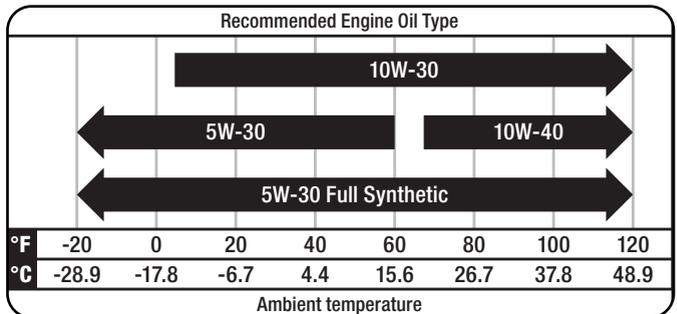
Check oil often during the break-in period. Refer to the Maintenance section for recommended service intervals.

**NOTE**

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

**NOTE**

We consider the first 5 hours of run time to be 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 and help seat piston rings. After the 5 hour break-in period, change the oil.



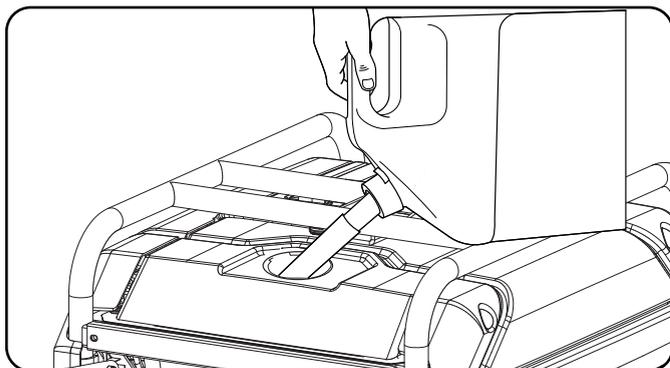
**NOTE**

Using synthetic oil does not increase the recommended oil change interval. Full synthetic 5W-30 oil will aid in starting in cold ambient <5°C (41°F) temperatures.

# ASSEMBLY

## Add Fuel

1. Use clean, fresh, regular unleaded fuel with a minimum octane rating of 87 and an ethanol content of less than 10% by volume.
2. DO NOT mix oil with fuel.
3. Clean the area around the fuel cap.
4. Remove the fuel cap.
5. Slowly add fuel to the tank. DO NOT OVERFILL. Fuel can expand after filling. A minimum of  $\frac{1}{4}$  in. (6.4 mm) of space left in the tank is required for fuel expansion, more than  $\frac{1}{4}$  in. (6.4 mm) is recommended. Fuel can be forced out of the tank as a result of expansion if it is overfilled, and can affect the stable running condition of the product. When filling the tank, it is recommended to leave enough space for the fuel to expand.



6. Screw on the fuel cap and wipe away any spilled fuel.

### ⚠ CAUTION

Use regular unleaded gasoline with a minimum octane rating of 87.

Do not mix oil and gasoline.  
 Fill tank to approximately  $\frac{1}{4}$  in. (6.4 mm) below the top of the tank to allow for fuel expansion.  
 DO NOT pump gas directly into the generator at the gas station. Use an approved container to transfer the fuel to the generator.  
 DO NOT fill fuel tank indoors.  
 DO NOT fill fuel tank when the engine is running or hot.  
 DO NOT overfill the fuel tank.  
 DO NOT light cigarettes or smoke when filling the fuel tank.

### ⚠ WARNING

Pouring fuel too fast through the fuel screen may result in blow back of fuel at the operator while filling.

## Add Fuel Cont'd.

### NOTE

Champion engines work well with 10% or less ethanol blend fuels. When using blended fuels 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.
- With gravity-fed fuel supplies, this compromised fuel can be drawn into the carburetor and cause damage to the engine and/or potential hazards.
- There are only a few suppliers of fuel stabilizer that are formulated to work with ethanol blend fuels.
- Any damages or hazards caused by using improper fuel, improperly stored fuel, and/or improperly formulated stabilizers, are not covered by manufacture's warranty.

It is advisable to always shut off the fuel supply, run the engine to fuel starvation and drain the tank when the equipment is not in use for more than 30 days.

## 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 on the power panel. 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.

## 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 produced will become hot. If adequate cooling and breathing space are not supplied, or if the generator is blocked or contained, temperatures can become extremely heated and may lead to fire.

## Grounding

The generator system ground connects the frame to the ground terminals on the power panel. The system ground is connected to the AC neutral wire.

## Surge Protection

### CAUTION

Voltage fluctuation may impair the proper functioning of sensitive electronic equipment.

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.

1. *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.

## 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 valve to the "ON" position.
4. Pull the choke knob out.
5. Flip the ignition switch to the "ON" position.
6. Press and hold the ignition switch to the "START" position. Release as the engine begins to roll over. If the engine fails to start within five seconds, release the switch and wait at least ten seconds before attempting to start the engine again.
7. Do not over-choke. As soon as engine starts, push the choke knob in.

# OPERATION

## Starting the Engine Cont'd.

### NOTE

Keep choke knob pulled out for only 1 push of the ignition switch. After first push, press knob in for up to the next 3 pushes of the ignition switch. Too much choke leads to sparkplug fouling/engine flooding due to the lack of incoming air. This will cause the engine not to start.

### NOTE

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.

### NOTE

The supplied 12V 33AH battery does re-charge while the engine is running, but it is also recommended that the battery be fully charged at least once per month.

## Connecting Electrical Loads

1. Let the engine stabilize and warm up for a few minutes after starting
2. Plug in and turn on the desired 120/240 Volt AC single phase, 60 Hz electrical loads.
  - DO NOT connect 3-phase loads to the generator.
  - DO NOT connect 50 Hz loads to the generator.
  - DO NOT overload the generator.

## Connecting Electrical Loads Cont'd.

### NOTE

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.

## 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. Press the ignition switch to the "OFF" position.
4. Turn the fuel valve to the "OFF" position.

**Important:** Always ensure that the fuel valve and the ignition switch are in the "OFF" position when the engine is not in use.

### NOTE

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.

## 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. Surge wattage is the extra burst 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:

$$\text{Volts} \times \text{Amps} = \text{Watts}$$

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 stabilize.
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.

### NOTE

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

## Operation at High Altitude

The density of air at high altitude 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. (305 m) feet of elevation above sea level. This is a natural trend and cannot be changed by adjusting the engine. 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.

If using this product above the elevation of 5500 ft. (1676 m) Champion Power Equipment suggests ordering a high altitude jet kit. Champion Power Equipment can provide a high altitude carburetor jet kit (part no. 101131) at an additional cost. The alternative jet kit and installation instructions can be obtained by contacting Customer Support. Installation instructions are also available in the Technical Bulletin area of the Champion Power Equipment internet site.

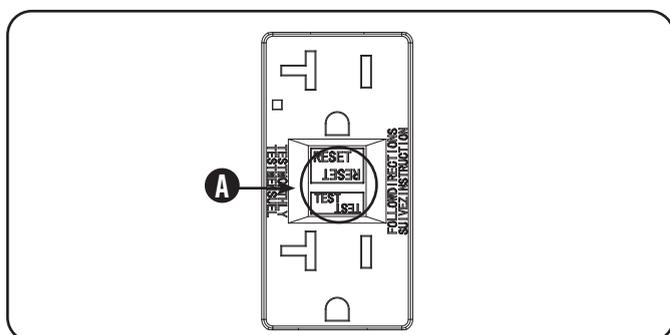
### WARNING

Operation using the alternative main jet at elevations lower than the recommended minimum altitude can damage the engine. For operation at lower elevations, the 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.

# OPERATION

## GFCI

Your generator is equipped with two (2) Ground Fault Circuit Interrupter (GFCI) duplexes. In the event of a ground fault, a GFCI trips automatically to stop the flow of electricity and prevent serious injury. The green indicating light on the receptacle will also turn off. Press the reset button located on the front of the receptacle to restore flow of electricity. (A) The green indicating light will also turn back on. GFCI does not protect against circuit overloads.



To ensure proper operation of the GFCI duplex, perform this test monthly:

1. With the generator running, plug a lamp into the GFCI receptacle. Turn the lamp on.
2. Press the “Test” button located on the front of the receptacle to trip the device. (A) This should immediately stop the flow of electricity and shut off the lamp. If the electricity is not stopped, do not use this receptacle until it has been serviced or replaced.
3. Press the “Reset” button located on the front of the receptacle to restore the flow of electricity. If the indicator light does not go out and come back on or if the GFCI cannot be reset then it must be replaced.

## WARNING

For the GFCI receptacles to work properly the neutral wire must be bonded to ground or to the generator frame. Your Champion generator comes with the neutral wire already bonded to the frame. If the bonding wire is removed then the GFCI receptacles will no longer function as designed. If the neutral bonding wire is removed to accommodate a transfer switch installation for connection to a house or building, then the transfer switch must not switch off the neutral connection to ground within the building. Champion Power Equipment recommends that you consult with a licensed, local electrician. Due to the variety of local codes, we cannot specifically advise you regarding modifications to the wiring of your portable generator.

The owner/operator is responsible for all periodic maintenance.

### WARNING

Never operate a damaged or defective generator.

### WARNING

Tampering with the factory set governor will void your warranty.

### WARNING

Improper maintenance will void your warranty.

### NOTE

Maintenance, replacement, or repair of emission control devices and systems may be performed by any non-road engine repair establishment or individual.

Complete all scheduled maintenance in a timely manner. Correct any issue before operating the generator.

### NOTE

For service or parts assistance, contact our help line at **1-877-338-0999**

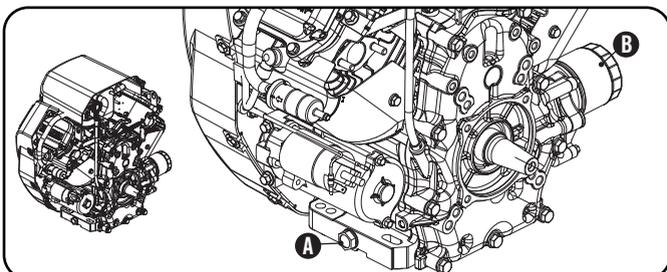
## Engine Maintenance

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

### Oil and Oil Filter Change

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

1. Remove the oil drain bolt (A) with a 15mm socket or wrench (not included) and drain into appropriate container.



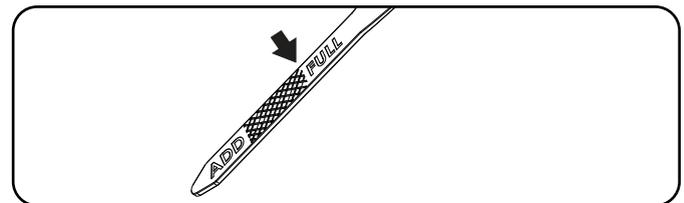
### Oil Cont'd.

2. After the oil has completely drained, replace the drain bolt.
3. With the oil drained, remove oil filter by turning counterclockwise (B).
4. Apply a light coat of clean engine oil to the gasket of the new oil filter.
5. Screw the new oil filter on (turning clockwise) by hand until the gasket contacts the engine block.
6. Screw the filter an additional  $\frac{3}{4}$  turn.
7. Open engine access cover.
8. Using funnel fill to full mark on dipstick. **DO NOT OVERFILL.**

Volume for first use or oil change without oil filter change: 1.1 qt.(1 L).

Volume after oil and oil filter change: 1.4 qt.(1.3L).

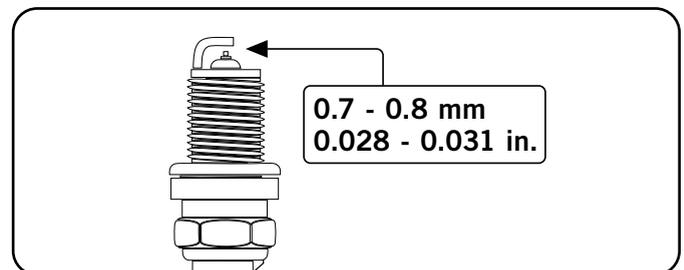
9. Check engine oil level on dipstick. Add oil as needed. **DO NOT OVERFILL.**



10. Replace oil fill cap.
11. Close engine access cover.
12. Dispose of used oil and filter at an appropriate waste management facility.

### Spark Plugs

1. Remove the spark plug cable from the spark plug.
2. Use a spark plug socket (not included), or a  $\frac{13}{16}$  in. or 21mm 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 0.7 - 0.8 mm or (0.028 - 0.031 in.).



5. Refer to the spark plug recommendation chart when replacing the plug.
6. Carefully thread the plug into the engine.

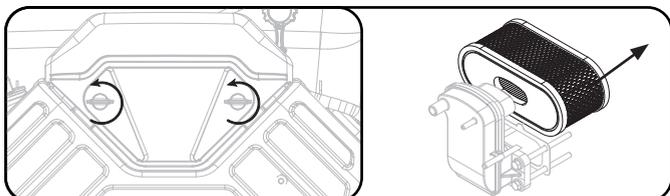
# MAINTENANCE AND STORAGE

## Spark Plug Cont'd.

- Use the spark plug socket (not included) to firmly install the plug.
- Attach the spark plug wire to the plug.

## Air Filter

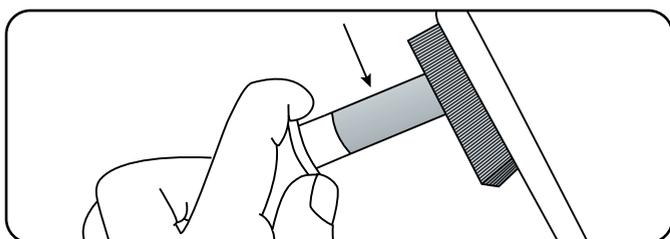
- Open engine access cover.
- Remove the air filter cover by turning the two fasteners  $\frac{1}{4}$  turn counterclockwise.
- Pull the air filter straight out away from engine.



- Install new air filter.
- Replace air filter cover and turn the two fasteners  $\frac{1}{4}$  turn clockwise.
- Close engine access cover.

## Spark Arrester

- Allow the engine to cool completely before servicing the spark arrester.
- Remove the two screws holding the cover plate which retains the end of the spark arrester to the muffler.
- Remove the spark arrester.
- Carefully remove the carbon deposits from the spark arrester with a wire brush.
- Replace the spark arrester if it is damaged.
- Position the spark arrester in the muffler and attach with the two screws.



### ! CAUTION

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

### NOTE

Federal and local laws and administrative requirements indicate when and where spark arresters are required. When ordered, spark arresters 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 arrester.

## Cleaning

### ! CAUTION

DO NOT spray engine with water.

Water can contaminate the fuel system.

Use a damp cloth to clean exterior surfaces of the engine. Use a soft bristle brush to remove dirt and oil. Use an air compressor (25 PSI) to clear dirt and debris from the engine.

## Adjustments

The air-fuel mixture is not adjustable. Tampering with the governor can damage your generator and your electrical devices and will void your warranty. CPE recommends that you contact our service line at **1-877-338-0999** 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 helpline at **1-877-338-0999** to locate the nearest Champion Power Equipment certified service dealer for your generator or engine maintenance needs.

Every 8 hours or daily	
	Check oil level
	Clean around air intake and muffler
First 5 hours	
	Change oil and oil filter
Every 50 hours or every season	
	Clean air filter
	Change oil if operating under heavy load or in hot environments
Every 100 hours or every season	
	Change oil and oil filter
	Clean/Adjust spark plug
	Check/Adjust valve clearance*
	Clean spark arrester
	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 Champion Power Equipment certified dealers.

## Generator 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.

### CAUTION

**DO NOT** use a garden hose to clean the generator.

Water can enter the generator through the cooling slots and damage the generator windings.

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

## Storage

The generator should be started at least once every 14 days and allowed to run for at least 20 minutes. For longer term storage, please follow these guidelines.

### Generator Storage

1. Add a properly formulated fuel stabilizer to the tank.
2. Be sure all appliances are disconnected from the generator.
3. Run the generator for a few minutes so the treated fuel cycles through the fuel system and carburetor.
4. Turn the fuel valve to the "Off" position.
5. Let the generator run until fuel starvation has stopped the engine. This usually takes a few minutes.
6. The generator needs to cool completely before cleaning and storage.
7. Clean the generator according to the maintenance section.
8. Change the oil.
9. Remove the spark plug and pour about 1/2 ounce (14.8 mL) of oil into the cylinder. Crank the engine slowly to distribute the oil and lubricate the cylinder.
10. Reattach the spark plug.
11. Store the unit in a clean, dry place out of direct sunlight.

## Battery

This product is equipped with an automatic battery charging circuit. The battery will receive charging voltage when the engine is running. The battery will maintain a proper charge if the unit is used on a regular basis (about once every two weeks). If it is used less frequently, the battery should be connected to a trickle

## Battery Cont'd.

charger or battery maintainer to keep the battery properly charged. If the battery voltage is extremely low, the charging circuit may not be able to re-charge the battery. In this case, the battery must be connected to a standard automotive style battery charger for re-charging before it can be used.

### Charge the Battery

For generators equipped with batteries for electric starting, proper battery maintenance and storage should be followed. An automatic battery charger (not included) with automatic trickle charging capability should be used to charge the battery. Maximum charging rate should not exceed 1.5 amps. Follow the instructions included with the battery charger. The battery should be fully charged at least once per month.

### NOTE

A Float Charger will maintain the battery condition over long storage periods.

### Disconnect the Battery

1. Remove the protective cover from the black/negative battery lead.
2. Disconnect the black/negative lead from the black/negative terminal on the battery and store the cap screw (M5x12) and lock washer (M5).
3. Repeat steps 1-2 for the red/positive battery lead.
4. Store the battery in a cool, dry place.

### DANGER

Generator exhaust contains odorless and colorless carbon monoxide gas.

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

- When **storing the generator for short periods of time** make sure that the Ignition Switch and the Fuel Valve are set in the **OFF** position.
- When **storing the generator for extended periods of time** make sure that the Ignition Switch and the Fuel Valve are set in the **OFF** position and the battery leads have been **disconnected** from the battery.

# SPECIFICATIONS

## Engine Specifications

- Model . . . . . YF2V78FD-SAI
- Displacement . . . . . 717cc
- Type . . . . Milwaukee Series OHV Commercial V-Twin
- Start Type . . . . . Electric Start

## Generator Specifications

- Model . . . . . 100111
- Running Wattage . . . . . 12000 Watts
- Starting Wattage . . . . . 15000 Watts
- AC Load . . . . . 120/240 V
- Phase . . . . . Single
- Frequency . . . . . 60 Hz
- Fuel Capacity . . . . . 10.9 gallons (41.2 L)
- Gross Weight . . . . . 365.3 lb. (165.7 kg)
- Net Weight . . . . . 329.6 lb. (149.5 kg)
- Height . . . . . 33.1 in. (84 cm)
- Width . . . . . 31.1 in. (79 cm)
- Length . . . . . 33.9 in. (86 cm)

## Fuel

Fuel capacity is 10.9 gallons (41.2 L). Use regular unleaded gasoline with a minimum octane rating of 87 and an ethanol content of less than 10% by volume.

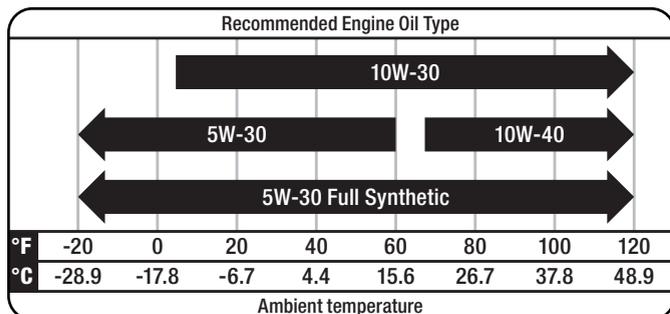
## Oil

Use 10W-30 automotive oil.

Oil capacity is up to 1.4 qt. (1.3 L).

DO NOT OVERFILL.

Please reference the following chart for recommended oil types for use in the generator.



## Spark Plugs

**OEM spark plug:** NHSP F6RTC

**Replacement spark plug:** NGK BPR6ES or equivalent  
 Make certain the spark plug gap is 0.7 - 0.8 mm or (0.028 - 0.031 in.).

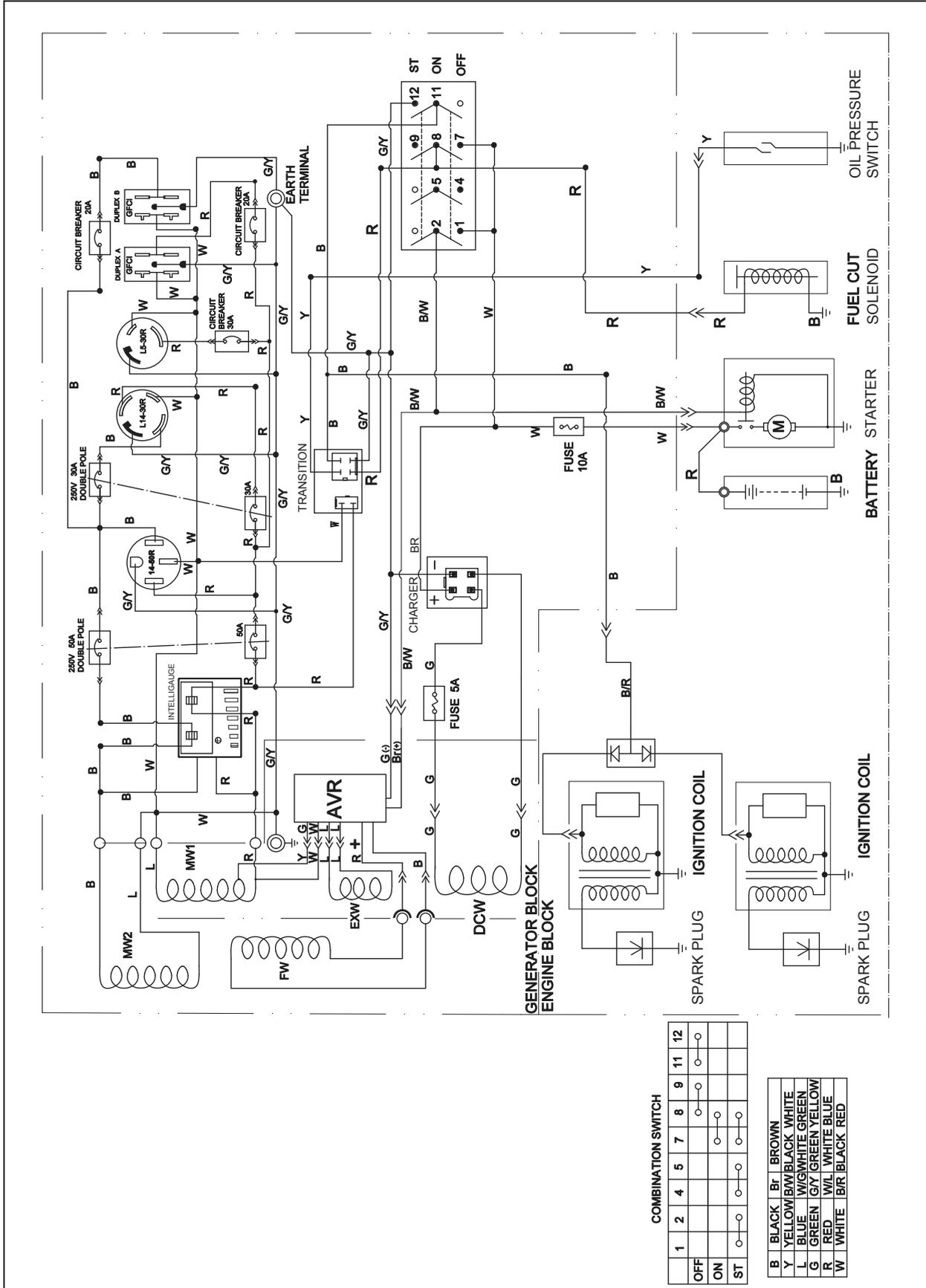
## Maintenance Valve Clearance

- Intake: 0.13 – 0.18 mm (0.005 – 0.007 in.)
- Exhaust: 0.13 – 0.18 mm (0.005 – 0.007 in.)

## An Important Message About Temperature

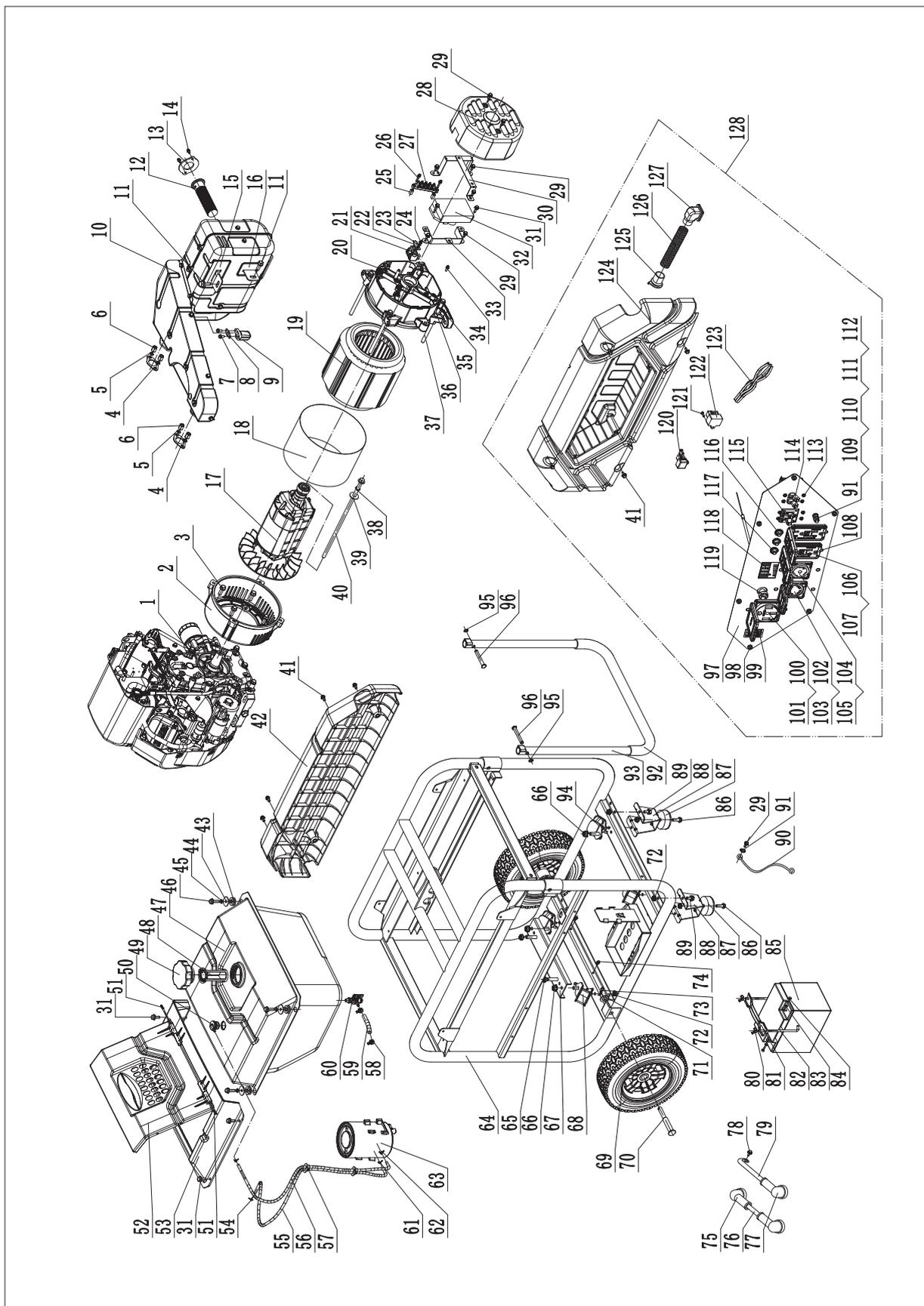
Your Champion Power Equipment product is designed and rated for continuous operation at ambient temperatures up to 40°C (104°F). When your product is needed your product may be operated at temperatures ranging from -15°C (5°F) to 50°C (122°F) for short periods. If the product is exposed to temperatures 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 other vents.

Wiring Diagram



# SPECIFICATIONS

## Parts Diagram



#	Part Number	Description	Qty
1	100181	Engine	1
2	172.190007.00	Crankcase Cover	1
3	1.5789.1022	Flange bolt M10 x 22	4
4	717.100001.00	Gasket, exhaust	2
5	1.93.08	Lock washer Ø8	4
6	2.02.033	Nut M8	4
7	1.16674.0616	Flange bolt M6 x 16	2
8	24.100300.03	Gasket, Secondary Air Intake Valve	1
9	717.100300.00	Secondary Air Intake Valve	1
10	717.101000.03	Muffler assembly	1
11	1.16674.0820	Flange bolt M8 x 20	2
12	717.101300.01	Spark arrester assembly	1
13	717.101503.01	Plate, spark arrester	1
14	1.9074.17.0612	Bolt/washer assembly M6 x 12	2
15	717.100005.01	Rubber pillow 1, muffler	1
16	717.100005.02	Rubber pillow 2, muffler	1
17	172.191100.00	Rotor assembly, Cu, Ø230 x 160 mm	1
18	172.191002.00	Cover, stator	1
19	172.191200.00	Stator assembly, Cu, Ø230 x 160 mm	1
20	172.190002.00	End housing	1
21	161.190300.00	Carbon brush assembly	1
22	122.190004.01	Pinch, carbon brush	1
23	1.93.05	Lock washer Ø5	1
24	1.5783.0520	Bolt M5 x 20	1
25	2.13.030	Bush, Ø6 x Ø14 x 15	2
26	1.16674.0535	Flange Bolt M5 x 35	2
27	172.190400.00	Terminal block	1
28	172.190003.00.48	End cover, generator, yellow	1
29	1.5789.0612	Flange bolt M6 x 12	8
30	172.190202.00	Holder 1, AVR	1
31	1.5789.0615	Flange bolt M6 x 15	6
32	172.190200.00	AVR	1
33	172.190202.01	Holder 2, AVR	1
34	1.16674.0516	Flange bolt M5 x 16	1
35	1.7244.08	Lock washer Ø8	4
36	1.97.1.08	Washer Ø8	4
37	2.08.112	Flange bolt M8 x 210	4
38	1.7244.10	Lock washer Ø10	1
39	1.96.10	Flat washer Ø10	1
40	2.08.129	Flange bolt M10 x 310	1
41	1.5789.0615.1	Flange bolt m6 x 15, black	8
42	172.200800.00.2	Decorative plate, black	1
43	122.070015.01	Mount vibration, fuel tank	4
44	2.03.004	Washer, Ø24 x Ø6.5 X 1.5	4
45	1.93.06	Lock washer Ø6	4
46	1.5789.0620.2	Flange bolt M6 x 20	4
47	172.071000.00.48	Fuel tank, yellow	1
48	122.070300.03	Fuel filter assembly	1
49	122.070100.07	Cap, fuel tank	1
50	24.070800.00	Reversal valve	1
51	172.200509.00	Pin, top cover	2
52	172.200505.00.48	Protector cover	1
53	172.200501.00.48	Top cover	1
54	2.06.006	Clamp Ø7 x Ø1	2

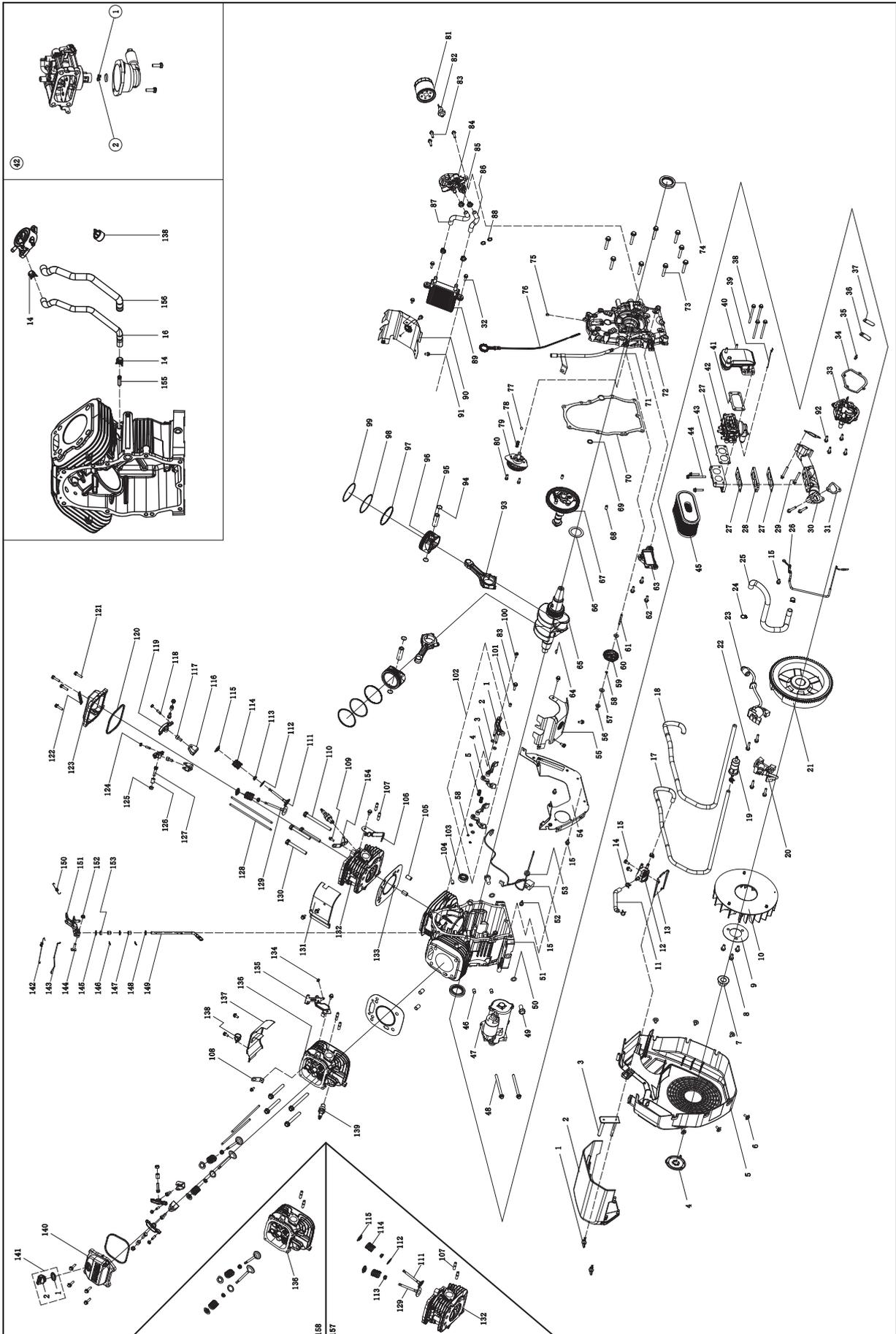
#	Part Number	Description	Qty
55	172.070014.01	Pipe, air cleaner, 1220 mm	1
56	172.070014.00	Pipe, reversal valve, 970 mm	1
57	172.070031.00	Jacket, pipe	2
58	2.06.027	Clamp Ø12 x B8	2
59	172.070011.01	Fuel pipe, 65 mm	1
60	172.070400.00	Fuel valve	1
61	2.06.004	Clamp Ø8 x Ø1	1
62	2.06.005	Clamp Ø9 x Ø1	1
63	172.070700.00	Carbon canister 1200 cc	1
64	61138.0.2	Frame	1
65	1.6182.10	Lock nut M10	2
66	1.6177.1.10	Lock nut M10, flange	4
67	172.201600.00.2	Supporter, engine	1
68	172.201200.00	Motor mount 1	2
69	172.201701.00.48	12 in. PU wheel, yellow	2
70	172.201501.00	Pin roll, wheel, Ø16 x Ø12 x 116	2
71	1.848.12	Washer Ø12	2
72	1.6177.1.08	Lock Nut M8, Flange	9
73	2.16.001	Pin Ø2 x 33, "R" Shape	2
74	2.05.001	Clamp, Ø8 x 6.5	2
75	163.200013.01	Red jacket 1, Wire	2
76	5.1900.082	Red wire 400 mm, battery	1
77	163.200013.00	Black jacket 2, wire	1
78	1.5789.0608	Flange bolt M6 x 8	1
79	5.1900.083	Black wire 350 mm, battery	1
80	1.62.06	Butterfly nut M6	2
81	172.200902.00.2	Pressure plate, battery	1
82	152.200014.00	Curved screws M6 x 150	2
83	1.6177.1.05	Lock Nut M5, Flange	2
84	1.16674.0512.2	Flange Bolt M5 x 12	2
85	9.1000.330	Battery 12V33AH	1
86	1.5789.0825	Flange bolt M8 x 25	2
87	152.201400.00	Rubber, support	2
88	172.200002.00.2	Support leg	2
89	1.5789.0816	Flange bolt M8 x 16	4
90	5.1900.084	Grounding line 200 mm	1
91	1.862.06	Lock washer Ø6, toothed	2
92	152.200702.02	Cover, handle	1
93	172.200701.00.2	Handle, U shape	1
94	171.201200.01	Motor mount 2	2
95	1.894.1.10	Circlip Ø10	2
96	172.200703.00	Long pin, handle	2
97	172.219.1.2	Control panel	1
98	1.9074.4.0514.1	Screw/washer assembly M5 x 14, black	6
99	5.1000.007	Ignition switch, red	1
100	5.1120.039	Receptacle 14-50R	1
101	5.1870.007	Receptacle cover, 14-50R	1
102	5.1120.026	Receptacle L14-30R, CSA	1
103	5.1870.003	Receptacle cover, L14-30R	1
104	5.1120.023	Receptacle L5-30R, CSA	1
105	5.1870.006	Receptacle cover, L5-30R	1
106	5.1120.050	Receptacle 5-20R, duplex, GFCI	2
107	5.1870.005	Receptacle cover, 5-20R, GFCI	2
108	1.6177.1.04	Lock nut M4, flange	10

# SPECIFICATIONS

## Parts List Cont'd.

#	Part Number	Description	Qty
109	1.5783.0622.3	Bolt M6 x 22, green	1
110	1.6175.06.3	Nut M6, green	2
111	1.97.1.06.3	Washer Ø6, green	2
112	1.93.06.3	Lock washer Ø6, green	2
113	1.9074.4.0306.1	Screw/washer assembly M3 x 6, black	8
114	5.1240.930	30Amp circuit breaker, double pole, CSA	1
115	5.1241.950	50Amp circuit breaker, double pole, CSA	1
116	5.1210.920	20Amp circuit breaker, push button	2
117	5.1210.930	30Amp circuit breaker, push button	1
118	5.1440.005	Intelligauge, four in one	1
119	717.130200.00	Pull choke assembly	1
120	5.1820.001	Charger	1
121	1.818.0514.2	Screw M5 x 14	2
122	5.1810.008	Over voltage protector, CSA	1
123	100111.21.10	Wire assembly	1
124	172.210002.00.2	Control box, black	1
125	172.210003.01	Wire jacket, control box	1
126	5.1320.024	Sheath, wire, Ø23.5 x 300mm	1
127	172.210003.02	Plug, end cover	1
128	100111.21	Control panel assembly	1

Engine Parts Diagram



# SPECIFICATIONS

#	Part Number	Description	Qty
1	717.091500.00	Retainer, AC Cover	2
2	717.091000.00	Cover, Air Filter, Petrol	1
3	717.091001.00	Retainer, A/C Filter, 60 mm	1
4	101747	Insert, Fan Cover Logo	1
5	717.080100.00	Cover, Fan, Screen&Cooler Ribs	1
6	2.08.083	Bolt, Hex Flange M6 x12	6
7	1.6177.20	Nut, M20 x 1.5 Flange	1
8	1.5789.0816	Hex Flange Bolt, M8 x 16	3
9	61.080005.00	Plate, Fan	1
10	717.080001.00	Fan, Cooling	1
11	717.070011.00	Hose, Fuel	1
12	82.073000.00	Pulse Pump, Fuel	1
13	717.070004.00	Bracket, Fuel Pump	1
14	2.06.027	Hose Clamp, Ø12 x b8	6
15	1.5789.0612	Hex Flange Bolt, M6 x 12	16
16	101350	Hose, Pulse Line	1
17	100716	Hose, Fuel Line, 1150 mm	1
18	100736	Protective Sleeve, Fuel Hose, 1120 mm	1
19	717.070500.00	Fuel Filter	1
20	717.123000.03	Ignition Coil Assembly, Cylinder 1, EMC	1
21	100922	Flywheel Assembly	1
22	1.5789.0629	Hex Flange Bolt, M6 X 29	6
23	717.123000.04	Ignition Coil Assembly, Cylinder 2, EMC	1
24	2.06.009	Clamp, Ø17xØ1.5	2
25	717.030019.00	Tube, Breather	1
26	717.134101.00	Jumper Wire Assy, Solenoid	1
27	100258	Gasket, Carburetor	3
28	61.130001.00	Insulator, Carburetor	1
29	1.16674.0640	Hex Small Flange Bolt, M6 x 40	4
30	717.130012.00	Intake Manifold	1
31	717.130011.00	Gasket, Intake Manifold	2
32	1.5789.0620	Hex Flange Bolt, M6 x 20	2
33	100486	Cover, Breather	1
34	100504	Gasket, Breather Cover	1
35	1.823.0410	Screw, Small Pan Head M4 x 10	2
36	101767	Retainer, Reed Valve	1
37	100693	Reed Valve	1
38	1.5789.0683	Hex Flange Bolt M6 x 83	4
39	717.110009.00	Link, Choke	1
40	100539	Elbow, Ac Intake Assembly Purge	1
41	717.090005.00	Gasket, Ac Assembly	1
42	717.131000.00	Carburetor Assy	1
1	102021	Main Jet Compl - Right	1
	102454	Main Jet Compl, High Altitude - Right	1
2	100189	Main Jet Compl - Left	1
	102021	Main Jet Compl, High Altitude - Left	1

#	Part Number	Description	Qty
43	61.130013.00	Connector, Carburetor	1
44	1.5789.0665	Hex Flange Bolt, M6 x 65	1
45	100275	Air Filter Assembly	1
46	100829	Pin, Dowel Ø10 x 14	2
47	61.125000.00	Motor Assy, 12V Solenoid Shift Starter	1
48	1.16674.08110	Hex Small Flange Bolt, M8 x 110	2
49	2.08.039	Bolt, Drain, M12 x 1.5 x 15	2
50	2.03.023	Washer, Drain Bolt, Ø12.5 x Ø20 x 2	2
51	102196	Crankcase Component	1
52	61.120800.00	Diode Assembly, Engine Stop	1
53	2.12.004	Grommet Ø9.5 x 10	1
54	100470	Air Board, Assembly, Internal Oil Cooler	1
55	717.080500.01	Air Guide, Outer Cylinder 1 Assembly	1
56	45.110012.00	Bushing, Governor Gear	1
57	2.03.053	Washer, Ø6.2 x Ø17 x 0.8	1
58	21.110011.00	Clip, Retaining	3
59	61.110100.00	Gear Assy, Governor	1
60	2.03.054	Washer, Ø6.2 X Ø15 X 1	1
61	45.110013.00	Shaft, Governor Gear	1
62	1.5789.0620	Hex Flange Bolt, M6 X 20	3
63	61.150300.00	Oil Filter Component	1
64	2.14.005	Key, Flywheel, 4 x 5.5 x 12.5	1
65	717.051101.04	Assembly, Crankshaft - Taper Pto	1
66	2.03.026	Washer, Crankshaft Thrust, Ø39 x Ø54 x 1.2	1
67	101454	Camshaft Assembly	1
68	2.04.002	Location Pin Ø8 x 14	2
69	100596	O-Ring Ø12 x Ø3.5	1
70	100261	Gasket, Crankcase Cover	1
71	100726	Tube, Oil Dipstick Assembly	1
72	100268	Cover, Crankcase	1
73	1.5789.0850	Hex Flange Bolt, M8 X 50	9
74	2.11.010	Seal, Pto Oil, Ø38 x Ø58 x 9	2
75	61.030011.00	Plug, Crankcase Cover	1
76	100699	Blade Assembly, Oil Dipstick	1
77	1.308.9.5	Ball Ø9.5, Steel Check Valve	1
78	61.150004.00	Spring, Compression	1
79	61.151000.00	Pump Assembly, Oil	1
80	1.70.0616	Screw, M6 x 16, Socket Head Cap	2
81	100916	Filter, Oil	1
82	102446	Switch, Low Oil Shut-Down 0.6 Bar	1
83	1.16674.0625	Hex Small Flange Bolt, M6 x 25	4
84	101719	Base Assembly, Oil Filter With Oil Cooler And Oil Pressure Switch	1
85	100847	Clamp Ø17, Oil Hose	4
86	100942	Hose 2, Oil Line	1

#	Part Number	Description	Qty	
87	100941	Hose 1, Oil Line	1	
88	2.07.004	O-Ring Ø12 x Ø2.5	2	
89	101723	Oil Cooler Assy, Internal Mount	1	
90	717.080600.01	Air Guide, Outer, Cylinder 2 Assembly	1	
91	1.5789.0608	Hex Flange Bolt, M6 x 8	2	
92	1.16674.0620	Hex Small Flange Bolt, M6 x 20	4	
93	717.050200.00	Assy, Connecting Rod	2	
94	2.09.009	Retainer, Piston Pin, Ø17 x Ø1	4	
95	100968	Pin, Piston, 17 x 53.8 mm	2	
96	102024	Piston, 78 mm, 2.75 mm, Dish Ceramic Crown	2	
97	102289	Ring Assembly, Oil Control	2	
98	102286	Ring, Piston, 2nd	2	
99	102285	Ring, Top Piston	2	
100	1.16674.0616	Hex Small Flange Bolt, M6 x 16	1	
101	2.04.005	Pin, Ø8X10, Location	1	
102	101478	Follower Assembly, Camshaft	1	
	1	101475	Follower Pivot Assembly, Camshaft	1
	2	2.03.021.1	Washer, Governor Shaft, Ø6.4 x Ø13 x 1	4
	3	100485	Follower, Camshaft	2
	4	61.040019.01	Follower, Camshaft	2
	5	61.041001.00	Spring, Support	2
103	1.276.6003.1	Bearing, Roller Ø35 x Ø17 x 10	1	
104	717.030026.01	Plug, Npt1/8-27 Hexagon Socket	1	
105	2.04.004	Pin, Ø12 x 20 Location	4	
106	100170	Bracket, Governor Spring	1	
107	2.01.010	Bolt M8 x 35, Exhaust Stud	4	
108	717.010003.00	Lift Strap	1	
109	1.16674.0820	Hex Small Flange Bolt, M8 x 20	2	
110	2.08.122	Bolt, Hex Flange M10 x 1.25	2	
111	100179	Valve, Exhaust	2	
112	717.040015.00	Shim, Valve Spring	2	
113	101881	Oil Seal, Valve Stem	4	
114	45.040003.00	Spring, Valve	4	
115	45.040001.00	Retainer, Intake Valve	4	
116	717.040202.00	Bracket, Rocker Arm	4	
117	1.70.1.0816	Screw, M8 x 16 Socket Head Cap	4	
118	22.040012.00	Adjusting, Lash	4	
119	717.040200.02	Rocker Arm	4	
120	101644	Gasket, Rocker Cover	2	
121	1.5789.0625	Hex Flange Bolt, M6 x 25	8	
122	101880	Clamp, 100 mm	1	
123	102263	Rocker Cover Assembly	1	
124	21.040021.00	Jam Nut, M6 x 0.5 mm Pitch	4	
125	1.6170.08	Hex Nut, Gb6170, M8	4	
126	717.040016.00	Sleeve, Rocker Arm	4	
127	2.08.086	Bolt, M8 x 1.25 Hhw Special	4	

#	Part Number	Description	Qty	
128	717.040005.00	Push Rod	4	
129	45.040002.00	Valve, Intake	2	
130	2.08.014	Bolt, Hex Flange M10 x 80	6	
131	717.080300.02	Air Guide Assembly, Inner Cyl #2	1	
132	102019	Head Assembly, Cylinder 2	1	
133	717.030009.00	Gasket Assembly, Cylinder Head	2	
134	45.135001.20	Clip, Clevis	1	
135	717.111100.00	Choke Control Assembly, Bowden Wire	1	
136	102018	Head Assembly, Cylinder 1	1	
137	717.080300.01	Air Guide, Inner Cylinder 1 Assy	1	
138	100270	Clamp Ø17, Breather Tube	2	
139	2.15.002	Spark Plug, F6RTC	2	
140	102261	Rocker Cover Assembly, Oil Fill	1	
141	102357	Cap, Oil Fill Assembly	1	
	1	2.07.001	Seal, Cap Oil Fill, Ø25.5 x Ø3.5	1
	2	101813	Cap, Oil Fill	1
142	102427	Spring, Link Take Up	1	
143	100329	Link, Governor	1	
144	2.08.107	Bolt, Governor Arm	1	
145	2.03.019	Washer, Ø8.2 x Ø17 x 0.8	1	
146	61.110008.00	Pin, Shaft	2	
147	1.5801.0810	Bearing, Roller	2	
148	1.97.1.08	Washer Ø8	2	
149	61.110001.00	Shaft, Governor	1	
150	100432	Spring, Governor	1	
151	100178	Lever, Governor Arm	1	
152	1.6177.06	Nut, M6 Hexagon Flange	1	
153	2.11.006	Shaft Oil Seal, Ø7 x Ø14 x 5	1	
154	717.010003.01	Lift Strap With Baffle	1	
155	101349	Pipe	1	
156	101366	Protective Sleeve, Pulse Line	1	
157	717.010000.02	Cylinder Head Assembly 2	1	
158	717.010000.01	Cylinder Head Assembly 1	1	

# TROUBLESHOOTING

Problem	Cause	Solution
Generator will not start	No fuel	Add fuel
	Faulty spark plug(s)	Replace spark plug(s)
	Unit loaded during start up	Remove load from unit
	Generator battery is dead	Recharge or replace generator battery
Generator will not start; Generator starts but runs roughly	Low oil level	Fill crankcase to the proper level Place generator on a flat, level surface
	Choke in the wrong position.	Adjust choke.
	Spark plug wire loose	Attach wire to spark plug
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 "Power Management"
	Insufficient ventilation	Check for air restriction. Move to a well ventilated area
No AC output	Cable 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 Technical Service
Generator gallops	Engine governor defective	Contact Technical Service
Repeated circuit breaker tripping	Overload	Review load and adjust. See "Power Management"
	Faulty cords or device	Check for damaged, bare or frayed wires. Replace defective device

## For further technical support:

### Technical Service

Mon – Fri 8:30 AM – 5:00 PM (PST/PDT)

Toll Free: 1-877-338-0999

tech@championpowerequipment.com

# 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.com/register>

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 years (parts and labor) from the original date of purchase and 270 days (parts and labor) for commercial and industrial use. 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.

## 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 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, decals, etc.
- Wear items such as filter elements, o-rings, etc.
- Accessory parts such as starting batteries, 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.

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 U.S. 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

### Address

Champion Power Equipment, Inc.  
12039 Smith Ave.  
Santa Fe Springs, CA 90670 USA  
[www.championpowerequipment.com](http://www.championpowerequipment.com)

### Customer Service

Toll Free: 1-877-338-0999  
[info@championpowerequipment.com](mailto:info@championpowerequipment.com)  
Fax no.: 1-562-236-9429

### Technical Service

Toll Free: 1-877-338-0999  
[tech@championpowerequipment.com](mailto:tech@championpowerequipment.com)  
📞 EMERGENCY 24 HOUR SUPPORT: 1-562-204-1188

\*Except as otherwise stipulated in any of the following enclosed Emission Control System Warranties (when applicable) for the Emission Control System: U.S. Environment Protection Agency (EPA) and/or California Air Resources Board (CARB).

**CHAMPION POWER EQUIPMENT, INC. (CPE),  
THE UNITED STATES ENVIRONMENT PROTECTION AGENCY (U.S. EPA)  
AND THE CALIFORNIA AIR RESOURCES BOARD (CARB) EMISSION CONTROL SYSTEM WARRANTY**

**Your Champion Power Equipment (CPE) engine complies with both the U.S. EPA and state of California Air Resources Board (CARB) Exhaust and Evaporative emissions regulations.**

**YOUR WARRANTY RIGHTS AND OBLIGATIONS:**

The US EPA, California Air Resources Board, and CPE are pleased to explain the Federal and California Exhaust and Evaporative Emission Control Systems Warranty on your 2021 small off-road engine (SORE) and engine powered equipment. In California, new equipment that use small off-road engines (SORE) must be designed, built and equipped to meet the State's stringent anti smog standards. In the other states, new engines and equipment must be designed, built and equipped, at the time of sale, to meet U.S. EPA regulations for small off-road engines (SORE). CPE must warrant the exhaust and evaporative emission control system on your small off-road engine (SORE) for the period listed below, provided there has been no abuse, neglect, unapproved modification, or improper maintenance of your equipment leading to the failure of the exhaust and evaporative emission control systems.

Your evaporative emission control system may include parts such as: carburetors, fuel tanks, fuel lines, (for liquid fuel and fuel vapors), fuel caps, valves, canisters, filters, clamps, connectors, and other associated components. Also included for your exhaust emission control system may be fuel-injection system, the ignition system, catalytic converter and other exhaust emission related assemblies. Where a warrantable condition exists, CPE will repair your small off-road engine (SORE) at no cost to you including diagnosis, parts and labor.

**MANUFACTURER'S WARRANTY COVERAGE:**

This exhaust and evaporative emission control system is warranted for two years. If any exhaust and evaporative, emission related part on your engine or equipment is defective in, the part will be repaired or replaced by CPE.

**OWNER WARRANTY RESPONSIBILITIES:**

As the small off-road engine (SORE) owner, you are responsible for the performance of the required maintenance listed in your Owner's Manual. CPE recommends that you retain all your receipts covering maintenance on your small off-road engine (SORE), but CPE cannot deny warranty coverage solely for the lack of receipts.

As the small off-road engine (SORE) owner, you should be aware that CPE may deny you warranty coverage if your small, off-road engine (SORE) or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

You are responsible for presenting your small off-road engine to an Authorized CPE distribution center, service center or alternative service outlet as described in (3)(f.) below or CPE dealer or CPE, Santa Fe Springs, Ca. as soon as the problem exists. The warranty repairs shall be completed in a reasonable amount of time, not to exceed 30 days.

If you have any questions regarding your warranty coverage, you should contact:

Champion Power Equipment, Inc.  
Customer Service  
12039 Smith Ave.  
Santa Fe Springs, CA 90670  
1-877-338-0999  
tech@championpowerequipment.com

## **EXHAUST AND EVAPORATIVE EMISSION CONTROL SYSTEM WARRANTY**

The following are specific provisions relative to your Exhaust and Evaporative Emission Control System (ECS) Warranty Coverage.

- 1. APPLICABILITY:** This warranty shall apply to 1995 and later model year California small off-road engines (SORE) (for other states, 1997 and later model year engines). The ECS Warranty Period shall begin on the date the new engine or equipment is delivered to its original, end-use purchaser, and shall continue for 24 consecutive months thereafter.
- 2. GENERAL EMISSIONS WARRANTY COVERAGE**

CPE warrants to the original, end-use purchaser of the new engine or equipment and to each subsequent purchaser that each of its small off-road engines (SORE) is:

  - 2a. Designed, built and equipped to conform to U.S. EPA emissions standards for spark-ignited engines at or below 19 kilowatts and all applicable regulations adopted by the California Air Resources Board, and
  - 2b. Free from defects in materials and workmanship that cause the failure of a warranted part to be identical in all material respects to the part as described in the engine manufacturer's application for certification for a period of two years.
- 3. THE WARRANTY ON EXHAUST AND EVAPORATIVE EMISSION-RELATED PARTS WILL BE INTERPRETED AS FOLLOWS:**
  - 3a. Any warranted part that is not scheduled for replacement as required maintenance in the Owners Manual shall be warranted for the ECS Warranty Period. If any such part fails during the ECS Warranty Period, it shall be repaired or replaced by CPE according to Subsection "d" below. Any such part repaired or replaced under the ECS Warranty shall be warranted for any remainder of the ECS Warranty Period.
  - 3b. Any warranted, exhaust and evaporative emissions-related part which is scheduled only for regular inspection as specified in the Owners Manual shall be warranted for the ECS Warranty Period. A statement in such written instructions to the effect of "repair or replace as necessary", shall not reduce the ECS Warranty Period. Any such part repaired or replaced under the ECS Warranty shall be warranted for the remainder of the ECS Warranty Period.
  - 3c. Any warranted, exhaust and evaporative emissions-related part which is scheduled for replacement as required maintenance in the Owner's Manual shall be warranted for the period of time prior to the first scheduled replacement point for that part. If the part fails prior to the first scheduled replacement, the part shall be repaired or replaced by CPE according to Subsection "d" below. Any such exhaust and evaporative emissions-related part repaired or replaced under the ECS Warranty, shall be warranted for the remainder of the ECS Warranty Period prior to the first scheduled replacement point for such emissions-related part.
  - 3d. Repair or replacement of any warranted, exhaust and evaporative emissions-related part under this ECS Warranty shall be performed at no charge to the owner at a CPE Authorized Service Outlet.
  - 3e. The owner shall not be charged for diagnostic labor which leads to the determination that a part covered by the ECS Warranty is in fact defective, provided that such diagnostic work is performed at a CPE Authorized Service Outlet.
  - 3f. CPE shall pay for covered exhaust and evaporative emissions warranty repairs at non-authorized service outlets under the following circumstances:
    - i. The service is required in a population center with a population over 100,000 according to U.S. Census 2000 without a CPE Authorized Service Outlet AND
    - ii. The service is required more than 100 miles from a CPE Authorized Service Outlet. The 100 mile limitation does not apply in the following states: Alaska, Arizona, Colorado, Hawaii, Idaho, Montana, Nebraska, Nevada, New Mexico, Oregon, Texas, Utah and Wyoming.
  - 3g. CPE shall be liable for damages to other original engine components or approved modifications proximately caused by a failure under warranty of an emission-related part covered by the ECS Warranty.
  - 3h. Throughout the ECS Warranty Period, CPE shall maintain a supply of warranted exhaust and evaporative emission-related parts sufficient to meet the expected demand for such exhaust and evaporative emission-related parts.
  - 3i. Any CPE Authorized and approved exhaust and evaporative emission-related replacement part may be used in the performance of any ECS Warranty maintenance or repair and will be provided without charge to the owner. Such use shall not reduce CPE's warranty obligation.
  - 3j. Unapproved add-on or modified parts may not be used to modify or repair a CPE engine. Such use voids this ECS Warranty and shall be sufficient grounds for disallowing an ECS Warranty claim. CPE shall not be liable hereunder for failures of any warranted parts of a CPE engine caused by the use of such an unapproved add-on or modified part.

**EMISSION-RELATED PARTS INCLUDE THE FOLLOWING: (using those portions of the list applicable to the engine)**

<b>Systems covered by this warranty</b>	<b>Parts Description</b>
Fuel Metering System	Fuel regulator, Carburetor and internal parts
Air Induction System	Air cleaner, Intake manifold
Ignition System	Spark plug and parts, Magneto ignition system
Exhaust System	Exhaust manifold, catalytic converter
Miscellaneous Parts	Tubing, Fittings, Seals, Gaskets, and Clamps associated with these listed systems.
Evaporative Emissions	Fuel Tank, Fuel Cap, Fuel Lines (for liquid fuel and fuel vapors), Fuel Line Fittings, Clamps, Pressure Relief Valves, Control Valves, Control Solenoids, Electronic Controls, Vacuum Control Diaphragms, Control Cables, Control Linkages, Purge Valves, Gaskets, Liquid/Vapor Separator, Carbon Canister, Canister Mounting Brackets, Carburetor Purge Port Connector

**TO OBTAIN WARRANTY SERVICE:**

You must take your CPE engine or the product on which it is installed, along with your warranty registration card or other proof of original purchase date, at your expense, to any Champion Power Equipment dealer who is authorized by Champion Power Equipment, Inc. to sell and service that CPE product during his normal business hours. Alternate service locations defined in Section (3)(f.) above must be approved by CPE prior to service. Claims for repair or adjustment found to be caused solely by defects in material or workmanship will not be denied because the engine was not properly maintained and used.

**If you have any questions regarding your warranty rights and responsibilities, or to obtain warranty service, please write or call Customer Service at Champion Power Equipment, Inc.**

**Champion Power Equipment, Inc.**  
12039 Smith Ave.  
Santa Fe Springs, CA 90670  
1-877-338-0999  
Attn.: Customer Service  
tech@championpowerequipment.com