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Champion Power Equipment 201317

Champion Power Equipment 2500-Watt Ultralight Portable Inverter Generator (Model 201317) Instruction Manual

Your guide to safe and efficient operation of your Champion Power Equipment generator.

1. INTRODUCTION

The Champion Power Equipment Model 201317 2500-Watt Portable Inverter Generator with CO Shield® is designed for versatility and portability. This ultralight model is suitable for various applications such as camping, tailgating, powering RV essentials, or providing backup for a few basic home items. It is important to note that this unit is not recommended for emergency home backup of an entire residence. Featuring Quiet Technology and CO Shield®, this generator prioritizes both performance and safety.



Figure 1: Champion 2500-Watt Ultralight Portable Inverter Generator.

2. IMPORTANT SAFETY INFORMATION

WARNING: Carbon Monoxide Hazard. Generators produce carbon monoxide (CO), a colorless, odorless, and poisonous gas. CO Shield® technology monitors CO accumulation and automatically shuts off the engine if unsafe levels are detected. However, CO Shield® is not a substitute for an indoor carbon monoxide alarm or for safe operation practices. **ALWAYS** use generators outdoors, far away from occupied buildings, with engine exhaust pointed away from people and structures. **DO NOT** allow engine exhaust fumes to enter confined areas through windows, doors, vents, or other openings.

WARNING: Electrical Shock Hazard. Never plug in any electrical devices or connect electrical loads while starting or stopping the generator. Always disconnect all electrical loads before starting or stopping the engine to prevent potential power surges or damage to sensitive electronics.

WARNING: Fuel Handling. Gasoline is highly flammable. Always handle fuel in a well-ventilated area, away from ignition sources. Store gasoline in approved containers.



2500W / 1850W
STARTING **RUNNING**

Power at the **SAME TIME**



REFRIGERATOR



LIGHTS



MODEM/ROUTER



LAPTOP

or **INDIVIDUALLY**



WINDOW AC
8K BTU



SUMP PUMP



WELL PUMP



CIRCULAR SAW

*REFERENCE ONLY. REFER TO ELECTRIC OR HOUSEHOLD APPLIANCES FOR WATTAGE INFORMATION.



Figure 2: The CO Shield® system automatically shuts off the generator if carbon monoxide levels become unsafe. Always operate outdoors.

3. PACKAGE CONTENTS

Your Champion 2500-Watt Inverter Generator package includes the following items:

- Champion 2500-Watt Ultralight Portable Inverter Generator (Model 201317)
- Engine Oil (10W-30)
- Oil Funnel
- Spark Plug Wrench
- Propane Hose with Regulator (for dual-fuel models)
- Quick Start Guide
- Operator's Manual



Figure 3: Engine oil and oil funnel are included for initial setup.

4. SETUP INSTRUCTIONS

Before operating your generator, follow these essential setup steps:

1. **Unpack the Generator:** Carefully remove the generator and all accessories from the packaging.
2. **Add Engine Oil:** The generator is shipped without engine oil. Remove the side panel (typically secured with screws) to access the oil fill cap/dipstick. Using the provided funnel, add the entire bottle of 10W-30 engine oil. Ensure the oil level is halfway up the dipstick. Securely replace the dipstick and side panel.
3. **Move Outdoors:** Always operate the generator outdoors in a well-ventilated area, far from windows, doors, and vents.
4. **Connect Fuel Source:**
 - For Gasoline Operation: Fill the fuel tank with fresh, unleaded gasoline. Ensure the fuel cap vent is in the "ON" position.
 - For Propane Operation: Connect the provided propane hose and regulator to a standard propane cylinder and to the generator's LP inlet. Open the propane tank valve.

Your browser does not support the video tag.

Video 1: Official Champion Power Equipment overview of the 201317 2500-Watt Ultralight Portable Inverter Generator, demonstrating key features and setup.

5. CONTROL PANEL OVERVIEW

The control panel provides all necessary interfaces for operating and monitoring your generator:

- **Intelligauge:** A 5-mode digital display showing Voltage, Frequency, Run Time, Total Run Time, CO Shield® status, AC Overload Reset, Economy Mode, Low Oil, and Power Output.

- **EZ Start Dial:** A multi-function dial for easy engine start-up, including OFF, CHOKE, RUN (Gasoline), and RUN (Propane) positions.
- **120V AC 15.4A Household Duplex Outlet (5-20R):** Standard household outlets for connecting electrical devices.
- **12V Automotive-Style Outlet:** For connecting 12V DC devices.
- **Parallel Ports:** Allows connection of two Champion 2500-watt inverters for increased power output (requires optional parallel kit).
- **Circuit Breakers:** Protect against overload.
- **Ground Terminal:** For grounding the generator.



Figure 4: The generator's control panel with labeled components for easy identification.

6. OPERATING INSTRUCTIONS

Follow these steps to safely start and operate your generator:

1. **Disconnect All Electrical Loads:** Ensure no electrical devices are plugged into the generator before starting or stopping.
2. **Starting the Engine:**

- **For Gasoline Operation:** Turn the fuel cap vent lever to the "ON" position. Turn the EZ Start Dial to the "CHOKE" position. Pull the recoil cord 3-5 times to start the engine. Once started, turn the EZ Start Dial to the "RUN" (Gasoline) position.
- **For Propane Operation:** Open the propane tank valve. Turn the EZ Start Dial to the "CHOKE" position. Pull the recoil cord 3-5 times to prime the engine. Once primed, turn the EZ Start Dial to the "RUN" (Propane) position and pull the recoil again to start the engine.

- 3. Economy Mode:** The generator features a smart Economy Mode. When running under a reduced electrical load, activate Economy Mode for quieter operation, extended engine life, and better fuel economy. The generator will automatically adjust engine speed based on demand.
- 4. Connecting Electrical Loads:** Once the generator is running stably, you can plug in your electrical devices. Do not overload the generator. Refer to the specifications for maximum wattage.
- 5. Stopping the Engine:** Disconnect all electrical loads. Turn the EZ Start Dial to the "OFF" position. If operating on gasoline, turn the fuel cap vent lever to the "OFF" position. If operating on propane, close the propane tank valve.



Figure 5: The 2500-watt generator can power various appliances simultaneously or individually.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your generator. Always refer to the full operator's manual for detailed maintenance schedules and procedures.

- **Oil Changes:** Perform the first oil change after 5 hours of operation. Subsequent oil changes should be done every 50 hours or annually.
- **Air Filter:** Inspect and clean the air filter regularly. Replace if damaged.
- **Spark Plug:** Inspect and clean the spark plug as needed. Replace if worn or fouled.
- **Fuel System:** For long-term storage, it is recommended to drain the fuel system or use a fuel stabilizer to prevent fuel degradation.

8. TROUBLESHOOTING

If you encounter issues with your generator, consult this basic troubleshooting guide. For more complex problems, refer to the full operator's manual or contact Champion Support.

Problem	Possible Cause	Solution
Engine will not start	No fuel, low oil, choke not set, spark plug issue.	Add fuel, check oil level, set choke correctly, inspect/replace spark plug.
Generator shuts off unexpectedly	Low oil, CO Shield® activation, overload.	Check oil level, ensure proper ventilation, reduce electrical load.
No power output	Circuit breaker tripped, overload.	Reset circuit breaker, reduce electrical load.

9. SPECIFICATIONS

Feature	Detail
Brand	Champion Power Equipment
Model Name	201317
Starting Wattage	2500 Watts
Running Wattage	1850 Watts
Fuel Type	Gasoline
Engine Type	4 Stroke, 80cc
Run Time (25% load)	Up to 11.5 hours (1.1-gallon tank)
Noise Level	53 dBA (from 23 feet)
Clean Power	<3% THD (Total Harmonic Distortion)
Outlets	120V 15.4A Household Duplex (5-20R), 12V Automotive-Style, Parallel Outlets
Oil Capacity	0.5 Quarts
Item Weight	39.7 Pounds
Product Dimensions	17.6" L x 12.6" W x 18.1" H

Feature	Detail
Special Features	CO Shield®, Cold Start Technology, Lightweight, Portable, Super Quiet, Economy Mode



Figure 6: Compact dimensions and lightweight design make the generator highly portable.

10. WARRANTY & SUPPORT

Champion Power Equipment stands behind its products. Your purchase includes a **3-year limited warranty** and **FREE lifetime technical support** from dedicated experts. For assistance, please contact Champion Support directly.

Contact Information: Refer to your operator's manual for the most current contact details or visit the official Champion Power Equipment website.

Related Documents - 201317

 <p>200955 4250W Open Frame Inverter Generator</p> <p>CHAMPION GENERATORS & EQUIPMENT</p>	<p>Champion 200955 4250W Open Frame Inverter Quick Start Guide</p> <p>Concise quick start guide for the Champion 200955 4250W Open Frame Inverter generator. Learn how to safely set up, fuel, and start your generator.</p>
 <p>201184 4500W Wireless Remote Start Inverter Generator</p> <p>CHAMPION GENERATORS & EQUIPMENT</p>	<p>Champion 4500W Wireless Remote Start Inverter Generator Quick Start Guide</p> <p>Quick start guide for the Champion 4500W Wireless Remote Start Inverter Generator (Model 201184). Learn how to set up, start, and safely operate your generator.</p>
 <p>100416 8000W Tri-Fuel Portable Generator</p> <p>CHAMPION GENERATORS & EQUIPMENT</p>	<p>Champion 8000W Tri-Fuel Portable Generator (Model 100416) Operator's Manual</p> <p>Comprehensive operator's manual for the Champion 8000W Tri-Fuel Portable Generator (Model 100416). Learn about safe operation, assembly, maintenance, specifications, and troubleshooting for gasoline, propane (LPG), and natural gas (NG) modes. Includes safety warnings, control descriptions, and warranty information.</p>
 <p>CPG4000DHY-DF-SC 3500W Dubbelbränsle Invertergenerator</p> <p>CHAMPION GENERATORS & EQUIPMENT</p>	<p>Champion CPG4000DHY-DF-SC Dubbelbränsle Invertergenerator Bruksanvisning</p> <p>Detaljerad bruksanvisning för Champion CPG4000DHY-DF-SC 3500W Dubbelbränsle Invertergenerator med öppen ram, som täcker säkerhet, drift, underhåll och specifikationer.</p>
 <p>201223 4000W Tri-Fuel Portable Generator</p> <p>CHAMPION GENERATORS & EQUIPMENT</p>	<p>Champion 201223 4000W Tri-Fuel Portable Generator Operator's Manual</p> <p>This operator's manual provides essential safety instructions, operating procedures, and maintenance guidelines for the Champion 201223 4000W Tri-Fuel Portable Generator. Learn how to safely use and maintain your generator.</p>
 <p>100719 8500W Electric Start Inverter Generator</p> <p>CHAMPION GENERATORS & EQUIPMENT</p>	<p>Champion 100719 8500W Electric Start Inverter Generator Operator's Manual</p> <p>Operator's manual for the Champion 100719 8500W Electric Start Inverter Generator, covering safety, assembly, operation, maintenance, specifications, and troubleshooting. Learn how to safely operate and maintain your generator.</p>

