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Cummins P2500i

Cummins Onan P2500i Inverter Generator User Manual

INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Cummins Onan P2500i Inverter Generator. Please read all instructions carefully before use to ensure proper handling and to maximize the lifespan of your unit.

An official video from Cummins Inc. showcasing the range of Cummins portable generators, highlighting their features and applications.

SAFETY INFORMATION

Always operate the generator in a well-ventilated area to prevent carbon monoxide poisoning. Keep children and pets away from the generator during operation. Ensure proper grounding. Refer to the full safety guidelines in the included manual for comprehensive details.

SETUP

Unboxing and Initial Preparation

Upon receiving your Cummins Onan P2500i Inverter Generator, carefully unbox the unit. The packaging is designed for durability to protect the generator during transit.



The Cummins Onan P2500i Inverter Generator, a compact and portable power solution.

Adding Oil

The generator requires engine oil before its first use. A funnel and the correct amount of oil (0.37 quarts) are typically included. Refer to the manual for specific oil type recommendations.



A person refilling the fuel tank of the Cummins Onan P2500i Inverter Generator. This image also illustrates the location for adding oil.

Adding Fuel

Use fresh, ethanol-free gasoline with a minimum of 91 octane. It is recommended to add a fuel stabilizer to prolong fuel life and protect the carburetor. Do not overfill the fuel tank.



A person refilling the fuel tank of the Cummins Onan P2500i Inverter Generator.

Parallel Connection (Optional)

The P2500i is parallel-ready, allowing you to connect two units for increased power output. Ensure both generators are off before connecting the parallel kit. Follow the instructions provided with your parallel kit for safe and correct connection.



The Cummins Onan P2500i Inverter Generator in an indoor setting, connected to power equipment, illustrating its use.

OPERATING INSTRUCTIONS

Control Panel Overview

The generator's control panel provides all necessary controls and indicators. It features a digital display for remaining run time, fuel level, power output, and voltage. It also includes two 120V AC outlets, two USB ports (1.0A and 2.1A), and a 12V DC outlet.



The Cummins Onan P2500i Inverter Generator, showing its control panel with various outlets and digital display.

Starting the Generator

To start the generator, ensure the eco mode switch is in the 'Off' position. Turn the fuel valve to the 'On' position. The generator can be started using the pull cord or, if equipped, via remote control. Allow the engine to warm up for a few minutes before connecting loads.

Eco Mode

The Eco Mode feature automatically adjusts the engine speed to match the electrical load. This optimizes fuel consumption and reduces operational noise when full power is not required. Switch to 'On' for Eco Mode operation.

Use the Onan P2500i to power...



Cell phone

6 watts



Laptop

200 - 800 watts



Television

150 - 300 watts



Blender

500 - 750 watts



Printer

500 watts



Coffee maker

500 - 800 watts



Tire warmers

1150 watts (per set)



Light bulb

7 watts



Fan

55 - 100 watts

An illustration demonstrating the types of devices and their approximate wattage that the Onan P2500i can power, including cell phones, laptops, and small appliances.

MAINTENANCE

Regular maintenance is crucial for the longevity and performance of your generator. Always refer to the detailed maintenance schedule in your user manual for specific intervals and procedures.

- **Oil Change:** Perform after the first 20 hours of operation, then every 50-100 hours or annually, whichever comes first.
- **Air Filter:** Inspect regularly and clean or replace as needed, especially in dusty conditions.
- **Spark Plug:** Inspect and clean or replace annually to ensure reliable starting and efficient operation.
- **Fuel System:** Use fuel stabilizer for storage. If storing for extended periods, drain the fuel tank and carburetor to prevent fuel degradation.

TROUBLESHOOTING

This section addresses common issues you might encounter with your generator. For more complex problems, consult the full user manual or contact customer support.

- **Generator won't start:** Check fuel level, oil level, spark plug condition, and ensure the engine switch is in the 'On' position.
- **No power output:** Check the AC circuit breakers on the control panel. Ensure the generator is not overloaded (overload indicator will be red). Verify the output ready indicator is green.
- **Overload indicator on:** Reduce the connected load. The generator will automatically shut down if overloaded to prevent damage.
- **Low oil indicator on:** The generator will shut down or not start if the oil level is too low. Add engine oil to the recommended level.

SPECIFICATIONS

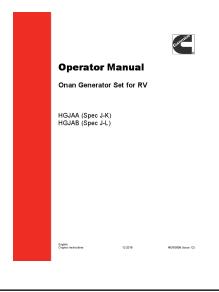
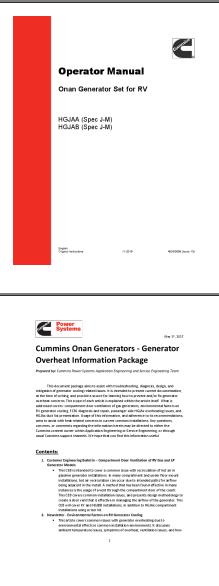
Feature	Detail
Brand	Cummins
Model	P2500i
Peak Wattage	2500 Watts
Running Wattage	2200 Watts
Fuel Type	Gasoline
Tank Volume	1 Gallon
Item Weight (empty)	48 lbs
Noise Level	52 dBA
Engine Type	4 Stroke
Total Power Outlets	4 (2x 120V AC, 2x USB)
Special Feature	Portable, Parallel Ready

WARRANTY AND SUPPORT

The Cummins Onan P2500i Inverter Generator comes with a 3-year warranty. For technical support, service, or warranty claims, please contact Cummins customer service.

Visit the official Cummins website for more information:[Cummins Official Store](#).

Related Documents - P2500i

	<p>Cummins Onan RV Generator Set Operator Manual: HGJAA & HGJAB</p> <p>Operator manual for Cummins Onan HGJAA (Spec J-K) and HGJAB (Spec J-L) generator sets for RVs. Covers safety, operation, maintenance, and troubleshooting.</p>
	<p>Cummins RV Generator Handbook: Operation, Maintenance, and Safety Guide</p> <p>Comprehensive handbook for Cummins Onan RV generators, covering operation, safety precautions, maintenance, troubleshooting, and model information to ensure reliable power for your recreational vehicle.</p>
	<p>Cummins Onan QG 2800i RV Generator: Specifications and Features</p> <p>Detailed specifications, features, and performance data for the Cummins Onan QG 2800i RV Generator, including model 2.8HGLAA-8311 (Gasoline) and 2.5HGLAA-8310 (LP). Learn about its design, fuel consumption, warranty, and installation.</p>
	<p>Cummins Onan HGJAA & HGJAB RV Generator Set Operator Manual</p> <p>User guide for Cummins Onan HGJAA and HGJAB generator sets for RVs, covering operation, safety, maintenance, and troubleshooting. Essential for RV owners.</p>
	<p>Cummins Onan RV Generator Overheat Troubleshooting and Ventilation Guide</p> <p>Comprehensive information package from Cummins Power Systems for troubleshooting, diagnosing, and mitigating generator cooling issues in RVs. Covers compartment ventilation, environmental factors, FC36 fault codes, HGJAx overheating, and duct kit installations.</p>

