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Cummins P4500I

Cummins Onan P4500I Portable Inverter Generator User Manual

Model: P4500I | Brand: Cummins

INTRODUCTION

The Cummins Onan P4500I Portable Inverter Generator is engineered to deliver reliable and clean power for a variety of applications, including backup home use, RV adventures, and camping. Its compact design and advanced features make it a versatile power solution. This manual provides essential information for the safe and efficient operation, routine maintenance, and effective troubleshooting of your P4500I generator.

SAFETY INFORMATION

Operating a generator involves potential hazards. Adhering to these safety guidelines is crucial to prevent injury or damage.

- **Carbon Monoxide Hazard:** Never operate the generator indoors or in enclosed spaces, including garages, sheds, or tents. Generator exhaust contains carbon monoxide, a colorless, odorless, and deadly gas. Always operate outdoors in a well-ventilated area, far from windows, doors, and vents.
- **Electrical Shock Hazard:** Do not operate the generator in wet conditions. Ensure the generator is properly grounded before connecting any electrical devices. Avoid touching the generator or connected cords with wet hands.
- **Fire Hazard:** Gasoline is highly flammable. Refuel the generator only when the engine is off and cool. Do not smoke or allow open flames near the generator, especially during refueling. Store gasoline in approved containers in a well-ventilated area away from ignition sources.
- **Hot Surfaces:** The generator's engine and muffler become very hot during operation and remain hot for some time after shutdown. Avoid touching hot surfaces to prevent burns.

SETUP

Before first use, perform the following setup steps:

1. **Unpacking and Inspection:** Carefully remove the generator from its packaging. Inspect for any visible damage that may have occurred during shipping. Report any damage to your dealer immediately.
2. **Add Engine Oil:** The generator is shipped without engine oil. Place the generator on a level surface. Remove the oil fill cap/dipstick. Slowly add the recommended engine oil (refer to the oil fill cap or dipstick for specific oil type and capacity) until it reaches the full mark on the dipstick. Do not overfill.
3. **Add Fuel:** Ensure the generator is off and cool. Remove the fuel cap. Fill the fuel tank with fresh, unleaded gasoline (minimum 8 octane) up to the fill limit, leaving space for expansion. The tank capacity is 3.4 gallons. Securely replace the fuel cap.
4. **Connect Battery:** Locate the battery compartment. Connect the positive (+) battery cable to the positive (+) terminal and the negative (-) battery cable to the negative (-) terminal. Ensure connections are secure.



Image: The Cummins Onan P4500i Portable Inverter Generator, showcasing its control panel and overall design. This view is helpful for identifying components during initial setup.



Image: A diagram illustrating the dimensions of the Cummins Onan P4500I Portable Inverter Generator, measuring 24.5 inches in length, 18.25 inches in width, and 20.5 inches in height. This helps in planning placement and storage.

OPERATING

Follow these steps for safe and effective operation of your generator:

- Placement:** Position the generator on a firm, level surface outdoors, ensuring adequate clearance for ventilation and exhaust.
- Fuel Valve:** Turn the fuel valve to the ON position.
- Engine Switch:** Turn the engine switch to the ON position.
- Starting the Engine:**
 - Push-Button Start:** Press and hold the start button until the engine starts.
 - Pull Cord Start:** Grasp the recoil starter handle firmly and pull slowly until resistance is felt, then pull quickly and smoothly.
 - Remote Start:** Use the provided remote control to start the generator from a distance of up to 100 feet. Ensure the generator's main power switch is in the ON position.
- Connecting Electrical Loads:** Once the engine is running stably, you can connect your electrical devices. The generator features a 30A TT-30R outlet for camper use and dual 5V USB ports for mobile device charging. Do not exceed the generator's rated running wattage of 3700 watts or starting wattage of 4500 watts.
- Eco Mode:** For reduced noise and improved fuel efficiency during periods of low power demand, engage the Eco Mode switch. The engine speed will automatically adjust to match the load.
- Parallel Operation:** The P4500I has parallel capability, allowing you to connect it with another P4500I generator to achieve up to 50A of power. Refer to the parallel kit instructions for proper connection.
- Stopping the Engine:** To stop the generator, disconnect all electrical loads, turn the engine switch to the OFF position, and then turn

the fuel valve to the OFF position.



Image: The Cummins Onan P4500I generator operating outdoors, with a power cord connected to its control panel. This illustrates typical usage for powering external devices.



Image: The remote control key fob for the Cummins Onan P4500I generator, featuring 'ON' and 'OFF' buttons for convenient remote starting and stopping.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your generator. Always disconnect the spark plug wire before performing any maintenance.

- **Engine Oil:** Check the oil level before each use. Change the engine oil after the first 20 hours of operation, and then every 100 hours or annually, whichever comes first.
- **Air Filter:** Inspect the air filter every 50 hours or monthly. Clean or replace if dirty. A clogged air filter can reduce engine performance.
- **Spark Plug:** Inspect the spark plug every 100 hours or annually. Clean or replace if necessary. Ensure the correct gap is maintained.
- **Fuel Filter:** Inspect the fuel filter annually and replace if clogged.
- **Storage:** For extended storage, drain the fuel tank and carburetor, or add a fuel stabilizer. Remove the spark plug and pour a small amount of engine oil into the cylinder, then slowly pull the recoil starter a few times to distribute the oil. Clean the exterior of the generator and store it in a clean, dry place.

TROUBLESHOOTING

This section addresses common issues you might encounter with your generator.

Problem	Possible Cause	Solution
Engine will not start	No fuel; Low oil level; Spark plug issue; Battery discharged	Add fuel; Add oil to correct level; Inspect/replace spark plug; Charge/replace battery
No power output	Circuit breaker tripped; Overload protection activated; Loose connections	Reset circuit breaker; Reduce load; Check and secure connections
Engine runs rough	Stale fuel; Clogged air filter; Dirty spark plug	Drain old fuel and add fresh; Clean/replace air filter; Clean/replace spark plug
Generator shuts down during operation	Low oil level; Overload; Overheating	Add oil; Reduce load; Allow generator to cool down in a well-ventilated area

SPECIFICATIONS

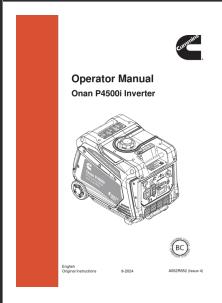
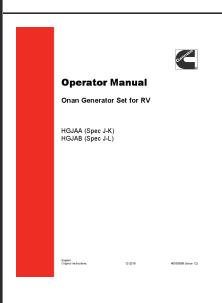
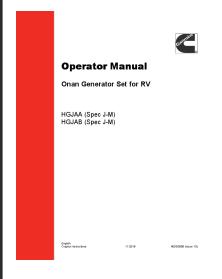
Key technical specifications for the Cummins Onan P4500I Portable Inverter Generator:

Feature	Specification
Brand	Cummins
Model Name	Onan P4500I
Part Number	A058U955
Starting Wattage	4500 Watts
Running Wattage	3700 Watts
Voltage	120 Volts
Fuel Type	Gasoline
Tank Volume	3.4 Gallons
Engine Type	4-Stroke, 224cc OHV
Engine Power Maximum	7.3 Horsepower
Runtime	Up to 18 hours (at 25% load)
Item Weight	98 Pounds
Product Dimensions (L x W x H)	24.5" x 18.25" x 20.5"
Total Power Outlets	3 (1x 30A TT-30R, 2x 5V USB)
Special Features	Fuel Efficient, Overload Protection, Portable, Remote Start, Super Quiet
UPC	690781007925

WARRANTY AND SUPPORT

The Cummins Onan P4500I Portable Inverter Generator comes with a **3-Year Warranty**. For technical assistance, warranty claims, or to locate an authorized service center, please contact Cummins customer support. You can also visit the official Cummins store for more information and resources: [Cummins Official Store](#).

Related Documents - P4500i

	<p><u>Cummins Onan P4500i Inverter Operator Manual</u></p> <p>This operator manual provides essential information for the safe and effective use of the Cummins Onan P4500i Inverter generator. It covers safety precautions, electrical specifications, components, operation, maintenance, and troubleshooting for the P4500i model.</p>
	<p><u>Cummins Onan RV Generator Set Operator Manual: HGJAA & HGJAB</u></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><u>Cummins RV Generator Handbook: Operation, Maintenance, and Safety Guide</u></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><u>Cummins Onan QG 2800i RV Generator: Specifications and Features</u></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><u>Cummins Onan HGJAA & HGJAB RV Generator Set Operator Manual</u></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><u>Cummins 2013 Engine Reference Guide: ISX15, ISX12, ISX12 G, ISL G</u></p> <p>Comprehensive reference guide for Cummins 2013 engines, including ISX15, ISX12, ISX12 G, and ISL G models. Covers features, specifications, maintenance, and support for heavy-duty and natural gas applications.</p>

