

## Huayi P16D-1

# Huayi Carburetor P16D-1 Instruction Manual for Westinghouse WH2200iXLT Inverter Generator

Comprehensive guide for installation, operation, and maintenance.

## INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your new Huayi Carburetor P16D-1. This carburetor is specifically designed as a replacement part for Westinghouse 1800/2200 Watts 79cc WH2200iXLT Inverter Generators. Please read this manual thoroughly before attempting any installation or maintenance to ensure proper function and safety.

## IMPORTANT SAFETY INFORMATION

- Always disconnect the spark plug wire and turn off the fuel supply before working on the generator to prevent accidental starting.
- Ensure the generator is cool before handling any components to avoid burns.
- Work in a well-ventilated area. Fuel vapors are flammable and hazardous.
- Wear appropriate personal protective equipment, including gloves and eye protection.
- Keep a fire extinguisher nearby when working with fuel and engines.
- If you are unsure about any step, consult a qualified technician.

## PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- 1 x Huayi Carburetor Assembly (P16D-1)

- Gaskets (various shapes for installation)

*Note: A step motor is not included with this carburetor assembly.*

## COMPATIBILITY

This Huayi Carburetor P16D-1 is compatible with the following generator model:

- Westinghouse 1800/2200 Watts 79cc WH2200iXLT Inverter Generator

*Always compare your existing carburetor with the provided images to ensure proper fitment before installation.*

## INSTALLATION GUIDE

Follow these steps carefully to replace the carburetor on your Westinghouse WH2200iXLT Inverter Generator. Refer to your generator's service manual for detailed disassembly instructions if needed.

### Step 1: Preparation and Safety

1. Ensure the generator is turned off and completely cool.
2. Disconnect the spark plug wire to prevent accidental starting.
3. Turn off the fuel valve and disconnect the fuel line from the existing carburetor. Drain any remaining fuel from the fuel tank and carburetor float bowl into an approved container.
4. Remove any covers or air filter housing components necessary to access the carburetor.

### Step 2: Removing the Old Carburetor

5. Carefully disconnect any linkages (throttle, choke) and electrical connections from the old carburetor.
6. Unbolt the old carburetor from the engine and air intake manifold. Note the orientation of any gaskets.
7. Remove the old carburetor and its gaskets. Dispose of old gaskets properly.

### Step 3: Installing the New Carburetor

The new Huayi Carburetor P16D-1 comes with all necessary gaskets for installation.



**Image 1:** The Huayi Carburetor P16D-1 assembly, shown with the included green gaskets of various shapes. These gaskets are crucial for a proper seal during installation.

8. Ensure the mounting surfaces on the engine and air intake are clean and free of old gasket material.
9. Place the appropriate new gaskets in their correct positions. Refer to your generator's diagram or the old carburetor's setup for guidance.
10. Mount the new Huayi Carburetor P16D-1 onto the engine, aligning it with the mounting studs/bolts.



**Image 2:** A top-down perspective of the carburetor, highlighting the throttle body opening and the arrangement of the included gaskets. Note the clear fuel line attached.



**Image 3:** Front view of the carburetor, showing the air intake opening and the throttle plate. The three green gaskets are visible to the left.

11. Secure the carburetor with the mounting bolts, tightening them evenly to prevent warping.
12. Reconnect the throttle and choke linkages. Ensure they operate smoothly without binding.
13. Reconnect any electrical connections that were detached.





**Image 4:** Side view of the carburetor, clearly showing the "P16D-1" model designation stamped on the body, confirming the part number.



**Image 5:** Bottom view of the carburetor, focusing on the float bowl and the drain screw. The clear fuel line is also visible.

14. Reconnect the fuel line to the carburetor's fuel inlet. Ensure the connection is secure and free of leaks. The carburetor includes a clear fuel line for easy connection.



**Image 6:** Top view of the carburetor, illustrating the throttle linkage mechanism and mounting points. The black plastic component is part of the throttle control.





**Image 7:** Another side view, providing a clearer look at the fuel inlet port and the lower drain screw on the float bowl.

### Step 4: Final Checks and Testing

15. Double-check all connections: fuel lines, linkages, and electrical wires.
16. Replace the air filter housing and any other covers removed during disassembly.
17. Reconnect the spark plug wire.
18. Open the fuel valve and check for any fuel leaks. Address any leaks immediately before proceeding.
19. Attempt to start the generator according to its operating instructions.

### Installation Overview Video

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**Video 1:** A brief overview demonstrating the physical appearance and components of the Huayi Carburetor P16D-1, including the included gaskets. This video provides a visual reference for the part before installation.

## OPERATING INSTRUCTIONS (POST-INSTALLATION)

1. **Fuel System Priming:** After installation, ensure the fuel lines are properly connected and the

fuel valve is open. Allow a few moments for the carburetor float bowl to fill with fuel.

- 2. **Initial Start-Up:** Follow your generator's manufacturer instructions for initial start-up. This typically involves setting the choke, pulling the recoil starter, or pressing the electric start button.
- 3. **Choke Adjustment:** Once the engine starts, gradually move the choke lever to the "Run" position as the engine warms up.
- 4. **Idle Speed:** The carburetor is pre-set for optimal performance. If idle speed adjustments are necessary, consult a qualified technician or your generator's service manual.

## MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your carburetor. Always refer to your generator's owner's manual for specific maintenance schedules.

- **Fuel Quality:** Use fresh, clean, unleaded gasoline. Stale or contaminated fuel is a common cause of carburetor issues.
- **Fuel Stabilizer:** If storing the generator for extended periods, use a fuel stabilizer to prevent fuel degradation and gumming in the carburetor.
- **Fuel Shut-off:** Before long-term storage, run the engine until it runs out of fuel to ensure the carburetor is empty. Alternatively, drain the carburetor float bowl.
- **Air Filter:** Regularly inspect and clean or replace the generator's air filter. A dirty air filter can affect carburetor performance.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Engine will not start	No fuel reaching carburetor; clogged fuel filter; incorrect choke setting.	Check fuel level and fuel valve. Inspect/replace fuel filter. Adjust choke.
Engine runs rough or stalls	Dirty air filter; stale fuel; carburetor jets clogged.	Clean/replace air filter. Drain old fuel and refill with fresh. Carburetor cleaning may be required by a professional.
Fuel leaks from carburetor	Loose connections; damaged float or needle valve; incorrect gasket installation.	Check all fuel line connections. Inspect float bowl and needle valve for damage. Ensure gaskets are properly seated.

For issues not listed or if problems persist, contact customer support or a certified service technician.

## SPECIFICATIONS

- **Model:** Huayi P16D-1 Carburetor
- **Compatibility:** Westinghouse 1800/2200 Watts 79cc WH2200iXLT Inverter Generator
- **Item Weight:** Approximately 11.2 ounces (0.32 kg)
- **Product Dimensions:** Approximately 4 x 3 x 4 inches (10.16 x 7.62 x 10.16 cm)
- **Included Components:** Carburetor assembly, gaskets
- **Manufacturer:** Huayicarbpart
- **UPC:** 790885933912

## WARRANTY AND SUPPORT

This Huayi Carburetor P16D-1 comes with a **12-month warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. It does not cover damage due to improper installation, misuse, neglect, or unauthorized modifications. For warranty claims, technical assistance, or further inquiries, please contact your retailer or the manufacturer directly. Ensure you have your purchase receipt and product details available.