

## HURI HSGD00328

# HURI Carburetor Instruction Manual for DuroMax PowerMax DJ168FD DJ170FD Gasoline Generator Engines

Model: HSGD00328

## 1. INTRODUCTION

This manual provides detailed instructions for the HURI Carburetor, designed as a replacement part for DuroMax PowerMax DJ168FD and DJ170FD gasoline generator engines. It is compatible with 196cc and 200cc models and replaces original part numbers DJ168F-14100-B and DJ170FD-14100-B. Please read this manual thoroughly before installation and operation to ensure proper function and safety.

## 2. SAFETY INFORMATION

Always observe the following safety precautions when working with fuel systems and engines:

- Ensure the engine is turned off and cooled down before beginning any work.
- Disconnect the spark plug wire to prevent accidental starting.
- Work in a well-ventilated area to avoid inhaling fuel fumes.
- Wear appropriate personal protective equipment, including gloves and eye protection.
- Handle gasoline with extreme care. It is highly flammable.
- Keep fire extinguishers readily available.
- Dispose of old fuel and parts responsibly according to local regulations.
- If you are unsure about any step, consult a qualified technician.

## 3. PACKAGE CONTENTS

Verify that all components are present in the package:

- 1x Carburetor
- 1x Intake Manifold
- 3x Gaskets
- 2x Fuel Filters



Image 3.1: Complete HURI Carburetor kit including the carburetor unit, intake manifold, three gaskets, and two fuel filters.

## 4. SETUP AND INSTALLATION

This section outlines the general steps for replacing the carburetor. Specific procedures may vary slightly depending on your generator model. Refer to your generator's service manual for detailed instructions.

1. **Preparation:** Ensure the generator is off, cool, and the fuel valve is closed. Disconnect the spark plug wire.
2. **Drain Fuel:** If necessary, drain the fuel tank to prevent spills during the process.
3. **Remove Air Filter Assembly:** Carefully remove the air filter housing and any associated components to access the carburetor.
4. **Disconnect Fuel Line:** Disconnect the fuel line from the old carburetor. Be prepared for residual fuel to leak.
5. **Disconnect Linkages:** Detach the throttle and choke linkages from the old carburetor. Note their positions for reassembly.
6. **Remove Old Carburetor:** Unbolt the old carburetor from the engine. Remove and discard the old gaskets.
7. **Install New Gaskets:** Place the new gaskets in their correct positions between the engine, intake manifold, and new carburetor.

8. **Install New Carburetor:** Mount the new HURI carburetor and intake manifold assembly onto the engine, ensuring proper alignment. Secure with bolts.
9. **Reconnect Linkages:** Reattach the throttle and choke linkages to the new carburetor. Verify smooth operation.
10. **Install New Fuel Filter:** Replace the old fuel filter with one of the new ones provided. Connect the fuel line to the new carburetor.
11. **Reassemble Air Filter:** Reinstall the air filter assembly.
12. **Final Checks:** Double-check all connections, ensuring they are secure and there are no fuel leaks.



Image 4.1: Side view of the HURI Carburetor, showing the fuel inlet and mounting points.



Image 4.2: Another side view of the HURI Carburetor, highlighting the choke lever mechanism.



Image 4.3: Bottom view of the HURI Carburetor, showing the float bowl and drain screw.

## 5. OPERATING INSTRUCTIONS

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After successful installation of the HURI Carburetor, follow your generator's standard operating procedures:

- Ensure the fuel tank contains fresh, clean gasoline.
- Open the fuel valve.
- Move the choke lever to the "CHOKE" position (if starting a cold engine).
- Pull the recoil starter handle or engage the electric start until the engine fires.
- Once the engine starts, gradually move the choke lever to the "RUN" position.
- Allow the engine to warm up for a few minutes before applying load.

If the engine does not start or runs poorly, refer to the Troubleshooting section.

## 6. MAINTENANCE

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Regular maintenance ensures optimal performance and longevity of your carburetor and generator:

- **Fuel Filter Replacement:** Replace the fuel filter periodically, or if it appears clogged or dirty. The kit includes two fuel filters for convenience.
- **Fuel Quality:** Always use fresh, clean gasoline. Stale or contaminated fuel is a primary cause of carburetor issues. Consider using a fuel stabilizer if storing the generator for extended periods.
- **Carburetor Cleaning:** If the carburetor becomes clogged, it may require cleaning. This typically involves disassembling the carburetor, cleaning jets and passages with carburetor cleaner, and reassembling with new gaskets. This procedure should only be performed by individuals with mechanical experience.
- **Air Filter:** Ensure the air filter is clean and properly installed to prevent dirt and debris from entering the carburetor.

## 7. TROUBLESHOOTING

If you encounter issues after installing the HURI Carburetor, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Engine does not start or starts and immediately dies.	No fuel reaching the carburetor. Choke not set correctly. Clogged fuel filter. Improperly connected linkages.	Check fuel level, ensure fuel valve is open. Adjust choke lever as per operating instructions. Replace fuel filter. Verify throttle and choke linkages are correctly attached and move freely.
Engine runs rough, surges, or lacks power.	Air leak around carburetor gaskets. Dirty air filter. Stale or contaminated fuel.	Ensure gaskets are properly seated and bolts are tightened. Clean or replace air filter. Drain old fuel and refill with fresh gasoline.
Fuel leaks from carburetor.	Loose fuel line connection. Damaged float bowl gasket. Float needle valve issue.	Tighten fuel line clamps. Inspect and replace float bowl gasket if damaged. Inspect float and needle valve for proper seating and function.

If problems persist after attempting these solutions, it is recommended to consult a professional small engine mechanic.

## 8. SPECIFICATIONS

<b>Brand</b>	HURI
<b>Model Number</b>	HSGD00328

<b>Compatibility</b>	DuroMax PowerMax DJ168FD, DJ170FD (196cc, 200cc) Gasoline Generator Engines
<b>Replaces Part Numbers</b>	DJ168F-14100-B, DJ170FD-14100-B
<b>Fuel Type</b>	Gasoline
<b>Item Weight</b>	10.1 ounces
<b>Package Dimensions</b>	5.1 x 3.2 x 2.9 inches

## 9. WARRANTY AND SUPPORT

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For warranty information or technical support regarding your HURI Carburetor, please contact the seller or manufacturer directly. Keep your purchase receipt as proof of purchase.