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> [Honda GX240 8.0HP Engine Carburetor \(Replaces #16100-ZE2-W71\) Instruction Manual](#)

## Honda CB114A

# Honda GX240 8.0HP Engine Carburetor Instruction Manual

Model: CB114A (Replaces OEM Part #16100-ZE2-W71)

## 1. INTRODUCTION

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This manual provides essential instructions for the installation, operation, maintenance, and troubleshooting of your new Honda GX240 8.0HP Engine Carburetor, model CB114A. This carburetor is designed as a high-quality aftermarket replacement for Honda GX240 engines, specifically replacing OEM part number 16100-ZE2-W71. Please read this manual thoroughly before attempting any installation or operation to ensure proper function and safety.

## 2. SAFETY INFORMATION

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Always prioritize safety when working with engine components and fuel. Failure to follow these safety guidelines may result in injury or damage to equipment.

- **Engine Off:** Ensure the engine is completely off and cooled down before performing any installation, maintenance, or inspection.
- **Disconnect Spark Plug:** Disconnect the spark plug wire to prevent accidental engine startup.
- **Ventilation:** Work in a well-ventilated area to avoid inhaling fuel vapors.
- **Eye Protection:** Wear appropriate eye protection to shield against fuel splashes or debris.
- **Fire Hazard:** Keep open flames, sparks, and smoking materials away from the work area, especially when handling fuel.
- **Fuel Handling:** Handle gasoline with extreme care. Store fuel in approved containers.
- **Proper Tools:** Use the correct tools for each task to prevent damage to components.

## 3. PRODUCT OVERVIEW

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This carburetor is a direct replacement for the Honda GX240 8.0HP engine. It is designed to restore optimal fuel delivery and engine performance.



**Image 1:** Honda GX240 8.0HP Engine Carburetor. This image displays the complete carburetor assembly, highlighting its main body, fuel inlet, and choke lever mechanism. It is a high-quality aftermarket replacement part.

### Key Features:

- High-quality aftermarket replacement.
- Equipped with a choke lever for cold starts.
- Designed for Honda GX240 8.0HP engines.
- Replaces OEM part number 16100-ZE2-W71.

## 4. SETUP AND INSTALLATION

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Proper installation is crucial for the carburetor's performance. Follow these steps carefully.

### 4.1 Pre-Installation Checks

- **Fuel Tank:** Ensure the fuel tank is clean and free of old, stale fuel or debris. Contaminated fuel can quickly clog a new

carburetor.

- **Fuel Filter:** Inspect and replace the fuel filter if necessary to prevent contaminants from reaching the new carburetor.
- **Gaskets:** This carburetor typically does not include gaskets. It is highly recommended to obtain a new gasket kit for the carburetor mounting and air filter housing to ensure a proper seal and prevent air leaks.
- **Tools:** Gather all necessary tools, including wrenches, screwdrivers, and pliers.

## 4.2 Removing the Old Carburetor

1. Turn off the engine and allow it to cool. Disconnect the spark plug wire.
2. Turn off the fuel supply valve.
3. Drain any fuel from the carburetor float bowl into an approved container.
4. Carefully disconnect the fuel line from the carburetor.
5. Disconnect the throttle linkage and choke linkage from the carburetor. Note their positions for reassembly.
6. Remove the nuts or bolts securing the carburetor to the engine intake manifold.
7. Carefully remove the old carburetor and any old gaskets.

## 4.3 Installing the New Carburetor

1. Ensure the mounting surfaces on the engine and air filter housing are clean.
2. Place new gaskets in their correct positions between the engine, carburetor, and air filter housing.
3. Mount the new carburetor onto the engine intake manifold, aligning it with the studs or bolt holes.
4. Secure the carburetor with the nuts or bolts, tightening them evenly to prevent warping. Do not overtighten.
5. Reconnect the throttle linkage and choke linkage to their respective points on the new carburetor. Ensure they move freely without binding.
6. Reconnect the fuel line to the carburetor's fuel inlet. Secure it with a clamp if necessary.
7. Turn on the fuel supply valve and check for any leaks.
8. Reconnect the spark plug wire.

# 5. OPERATING INSTRUCTIONS

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After installation, follow these steps to start and operate your engine.

## 5.1 Engine Start-Up

1. Ensure the fuel valve is open.
2. Move the choke lever to the 'CLOSED' or 'START' position for cold starts. For a warm engine, the choke may not be necessary or can be set to 'OPEN'.
3. Set the throttle lever to a mid-range or 'FAST' position.
4. Pull the recoil starter handle firmly until the engine starts.
5. Once the engine starts, gradually move the choke lever to the 'OPEN' or 'RUN' position as the engine warms up.
6. Allow the engine to warm up for a few minutes before applying load.

## 5.2 Adjustments

- **Idle Speed:** If the engine idles too fast or too slow, locate the idle speed screw on the carburetor and adjust it clockwise to increase RPM or counter-clockwise to decrease RPM.
- **Mixture Screws:** This carburetor is typically pre-set from the factory. If further adjustment is needed (e.g., for high altitude), consult a qualified technician. Incorrect adjustments can lead to engine damage.

## 6. MAINTENANCE

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Regular maintenance ensures the longevity and reliable performance of your carburetor and engine.

- **Fuel Quality:** Always use fresh, clean gasoline. Stale fuel can leave deposits that clog carburetor passages. Consider using a fuel stabilizer if the engine will be stored for extended periods.
- **Fuel Filter:** Inspect and replace the fuel filter periodically according to your engine's service manual.
- **Air Filter:** A clean air filter is essential for proper air-fuel mixture. Clean or replace the air filter regularly.
- **External Cleaning:** Keep the exterior of the carburetor clean from dirt and debris.
- **Internal Cleaning:** If the carburetor becomes clogged due to fuel deposits, it may require disassembly and cleaning with a carburetor cleaner. This task is best performed by an experienced technician.

## 7. TROUBLESHOOTING

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If you encounter issues, refer to the following common problems and solutions.

### Common Issues and Solutions:

- **Engine Will Not Start:**
  - Check if the fuel valve is open and there is fuel in the tank.
  - Ensure the choke is set correctly for a cold start.
  - Verify the spark plug is connected and functioning.
  - Inspect the fuel line for kinks or blockages.
- **Engine Runs Rough or "Hunts" for Idle:**
  - This often indicates a lean or rich fuel mixture, or an air leak.
  - Check for proper seating of gaskets and ensure all mounting bolts are tightened.
  - Inspect the air filter for clogging.
  - Adjust the idle speed screw if necessary.
- **Engine Lacks Power or Stalls Under Load:**
  - Ensure the air filter is clean.
  - Check for fuel flow restrictions (clogged fuel filter, kinked line).
  - The carburetor jets may be partially clogged, requiring cleaning.
- **Fuel Leaks:**
  - Check all fuel line connections and clamps.
  - Ensure the carburetor mounting gaskets are properly installed and sealed.
  - A leaking float bowl or needle valve may require internal carburetor inspection.

If these steps do not resolve the issue, it is recommended to consult a qualified small engine mechanic.

## 8. SPECIFICATIONS

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Specification	Value
Product Dimensions	4.2 x 4.2 x 2.6 inches
Item Weight	11.2 ounces
Item Model Number	CB114A

Specification	Value
Replaces OEM Part #	16100-ZE2-W71
Brand	Honda (Aftermarket Replacement)
UPC	609456330169
Manufacturer	Auto Express

## 9. WARRANTY INFORMATION

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For specific warranty details regarding this aftermarket carburetor, please refer to the documentation provided by your seller or contact the point of purchase directly. Warranty terms may vary depending on the retailer and manufacturer of the aftermarket part.

## 10. SUPPORT

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If you require further assistance or have questions not covered in this manual, please contact the seller or the manufacturer of this aftermarket carburetor. Provide your product model number (CB114A) and any relevant purchase information when seeking support.

