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› DKIIGAME Carburetor Tune-Up Kit for ECHO PB200 Series Blowers

## DKIIGAME PB200 Carburetor Tune-Up Kit

# DKIIGAME Carburetor Tune-Up Kit Instruction Manual

For ECHO PB200, PB201, ES210, ES211, EB212, SV212, PS200 Series Blowers and Shredders

## INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your DKIIGAME Carburetor Tune-Up Kit. This kit is designed as a replacement for specific ECHO and Shindaiwa models, ensuring optimal performance for your outdoor power equipment. Please read this manual thoroughly before attempting any installation or maintenance procedures.

## SAFETY INFORMATION

Always prioritize safety when working with fuel systems and power equipment. Failure to follow these safety guidelines may result in serious injury or property damage.

- **Disconnect Spark Plug:** Before beginning any work, always disconnect the spark plug wire to prevent accidental engine startup.
- **Work in a Well-Ventilated Area:** Fuel vapors are flammable and hazardous. Ensure adequate ventilation.
- **Wear Protective Gear:** Use safety glasses, gloves, and appropriate clothing.
- **Handle Fuel Carefully:** Store fuel in approved containers. Avoid spills and open flames.
- **Allow Engine to Cool:** Do not work on a hot engine. Allow it to cool completely before servicing.
- **Refer to Equipment Manual:** Always consult your specific ECHO or Shindaiwa equipment's owner's manual for additional safety precautions and detailed disassembly/assembly instructions.

## PACKAGE CONTENTS

Verify that all components listed below are present in your DKIIGAME Carburetor Tune-Up Kit:

- 1x Carburetor
- 1x Air filter case
- 1x Air filter

- 1x Screw
- 2x Spark plug
- 1x Oil pipe (fuel line)
- 1x Oil cup (primer bulb)
- 2x Oil plug (fuel tank grommets)
- 1x Oil filter (fuel filter)
- 2x Gaskets

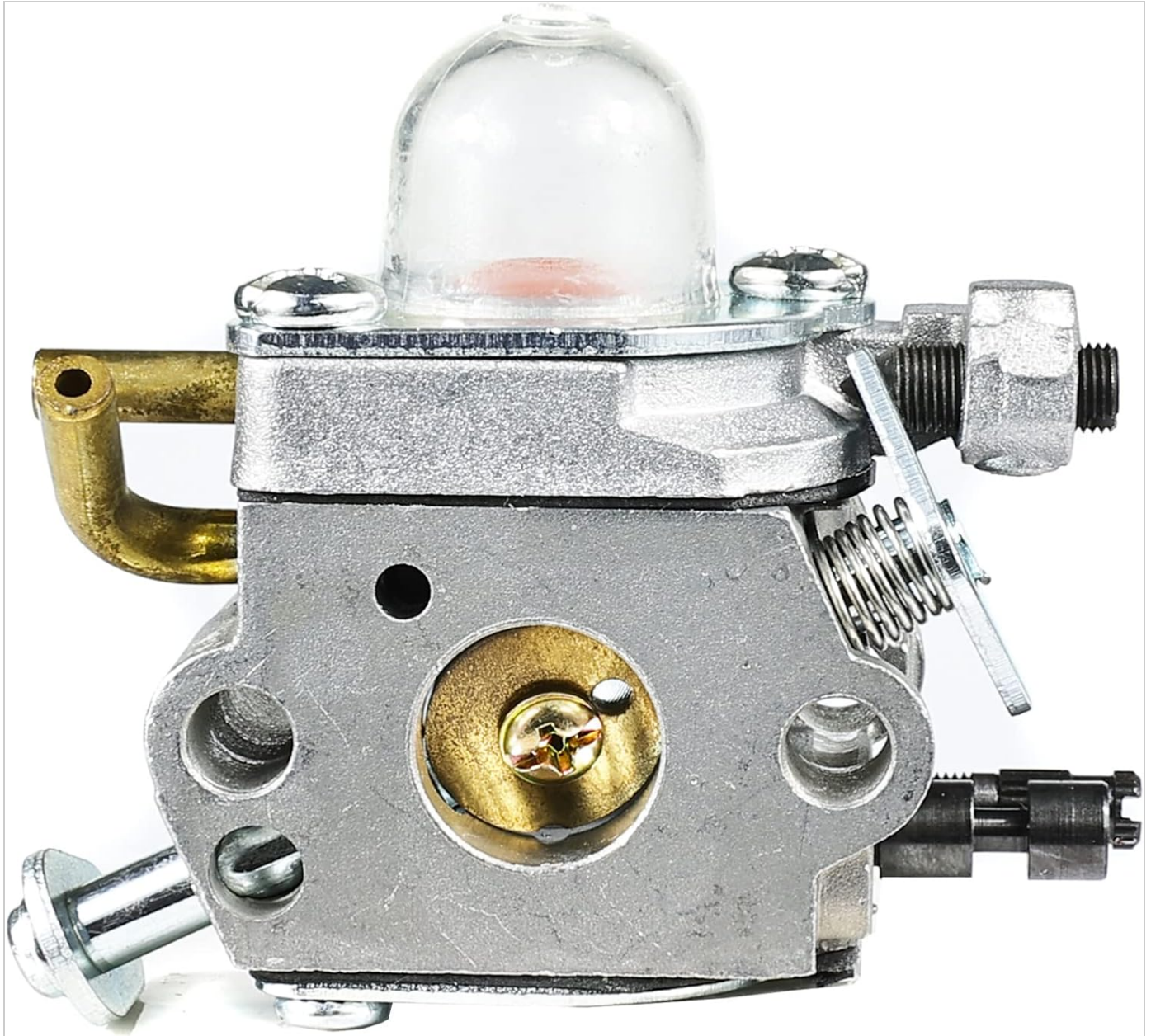


Image: All components included in the DKIIGAME Carburetor Tune-Up Kit, laid out for inspection.

## INSTALLATION GUIDE

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This section outlines the general steps for replacing the carburetor and associated components. Specific procedures may vary slightly depending on your equipment model. Always refer to your equipment's service manual for detailed instructions.

### 1. Preparation:

- Ensure the engine is cool and the spark plug wire is disconnected.

- Drain any remaining fuel from the fuel tank into an approved container.
- Clean the area around the carburetor to prevent debris from entering the engine.

## **2. Remove Air Filter Assembly:**

- Locate and remove the air filter cover and the old air filter.
- Unscrew and remove the air filter case.

## **3. Disconnect Fuel Lines and Linkages:**

- Carefully note the routing of the fuel lines. Disconnect them from the carburetor and fuel tank.
- Disconnect the throttle linkage and choke linkage from the old carburetor.

## **4. Remove Old Carburetor:**

- Unbolt the old carburetor from the engine manifold.
- Remove any old gaskets.



Image: Front view of the new carburetor, showing the fuel inlet and adjustment screws.

## **5. Install New Carburetor:**

- Place new gaskets in position on the engine manifold.
- Mount the new DKIIGAME carburetor onto the manifold, ensuring proper alignment.

- Secure the carburetor with the bolts, tightening them evenly.



Image: Side view of the new carburetor, highlighting the primer bulb and fuel connections.

#### **6. Reconnect Linkages and Fuel Lines:**

- Reconnect the throttle and choke linkages to the new carburetor. Ensure they operate smoothly.
- Replace old fuel lines, primer bulb, and fuel filter with the new components from the kit.
- Connect the new fuel lines to the carburetor and fuel tank, following the original routing. Ensure all connections are secure.

#### **7. Install New Air Filter Assembly:**

- Install the new air filter case and the new air filter.
- Replace the air filter cover.

#### **8. Replace Spark Plug:**

- Remove the old spark plug using a spark plug wrench.
- Install one of the new spark plugs from the kit, ensuring it is properly gapped (refer to your equipment manual

for correct gap). Tighten to specification.

## 9. Final Checks:

- Double-check all connections for tightness and proper routing.
- Refill the fuel tank with the correct fuel mixture (if applicable for 2-stroke engines).
- Reconnect the spark plug wire.

## OPERATING INSTRUCTIONS (AFTER INSTALLATION)

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After successful installation of the carburetor tune-up kit, follow these general steps to start and operate your equipment:

1. **Prime the Carburetor:** Press the primer bulb several times until fuel is visible in the bulb and flows freely.
2. **Set Choke:** Move the choke lever to the "FULL CHOKE" position.
3. **Start Engine:** Pull the starter rope firmly until the engine attempts to start or "pops" (usually 1-3 pulls).
4. **Adjust Choke:** Once the engine "pops" or starts, move the choke lever to the "HALF CHOKE" or "RUN" position (depending on your model).
5. **Restart (if necessary):** If the engine stalls, pull the starter rope again until it starts. Allow the engine to warm up for a few moments before engaging the throttle.
6. **Carburetor Adjustment (if needed):** The carburetor is typically pre-set. If the engine runs poorly (e.g., stalls, idles rough, lacks power), minor adjustments to the idle speed and mixture screws may be required. Refer to your equipment's service manual for specific adjustment procedures.

## MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your equipment and the new carburetor kit.

- **Air Filter:** Inspect and clean the air filter regularly (e.g., every 10-20 operating hours or seasonally). Replace if damaged or excessively dirty.
- **Fuel Filter:** Replace the fuel filter annually or if fuel delivery issues occur.
- **Spark Plug:** Inspect the spark plug annually. Clean or replace if fouled or worn.
- **Fuel System:** Use fresh, clean fuel. For 2-stroke engines, use the correct oil/fuel mixture. Consider using a fuel stabilizer if storing the equipment for extended periods.
- **Carburetor Cleaning:** If the equipment is stored for a long time with fuel in the tank, the carburetor may become clogged. In such cases, a thorough cleaning or rebuild may be necessary.

## TROUBLESHOOTING

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If you encounter issues after installing the kit, refer to the following common troubleshooting steps:

| Problem                   | Possible Cause                                                                                 | Solution                                                                                                     |
|---------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Engine won't start        | No fuel, clogged fuel filter, incorrect choke setting, faulty spark plug, fuel lines reversed. | Check fuel level, replace fuel filter, adjust choke, check/replace spark plug, verify fuel line connections. |
| Engine starts then stalls | Incorrect choke setting, fuel starvation, air leak, carburetor needs adjustment.               | Adjust choke, check fuel filter/lines, inspect gaskets for leaks, adjust carburetor idle/mixture screws.     |

| Problem                       | Possible Cause                                                                                  | Solution                                                                                 |
|-------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Engine runs rough/lacks power | Dirty air filter, fouled spark plug, carburetor out of adjustment, old/stale fuel.              | Clean/replace air filter, replace spark plug, adjust carburetor, use fresh fuel.         |
| Fuel leaks                    | Loose fuel line connections, damaged fuel lines, faulty primer bulb, improperly seated gaskets. | Tighten connections, replace damaged components, ensure gaskets are correctly installed. |

## SPECIFICATIONS

This DKIIGAME Carburetor Tune-Up Kit is designed to replace the following part numbers and is compatible with the listed models:

- **Replaces Part Numbers:** C1U-K78, A021000940, A021000941, A021000942, A021000943
- **Compatible ECHO Models:** ES-210, ES-211, PB-200, PB-201, PS200
- **Compatible Shindaiwa Models:** EB212, SV212
- **Manufacturer:** DKIIGAME
- **Item Weight:** Approximately 9.6 ounces (0.27 kg)
- **Package Dimensions:** Approximately 4.37 x 3.23 x 2.83 inches (11.1 x 8.2 x 7.2 cm)

## WARRANTY AND SUPPORT

For warranty information or technical support regarding your DKIIGAME Carburetor Tune-Up Kit, please refer to the product listing on the retailer's website or contact DKIIGAME customer service directly. Keep your purchase receipt as proof of purchase.

