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> HURI Carburetor Tune-Up Kit Instruction Manual for RedMax EB7000, EB7001, EB4300, EB4400, EB431 Backpack Blowers

HURI EB7000, EB7001, EB4300, EB4400, EB431

HURI Carburetor Tune-Up Kit Instruction Manual

For RedMax EB7000, EB7001, EB4300, EB4400, EB431 Backpack Blowers

INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your HURI Carburetor Tune-Up Kit. This kit is designed to replace components in specific RedMax backpack blower models, ensuring optimal performance. Please read this manual thoroughly before beginning any installation or maintenance procedures.

SAFETY INFORMATION

- Always wear appropriate personal protective equipment (PPE), including gloves and eye protection, when working with fuel systems and power tools.
- Ensure the engine is cool and disconnected from the spark plug wire before performing any service.
- Work in a well-ventilated area to avoid inhaling fuel vapors.
- Keep open flames, sparks, and other ignition sources away from fuel and fuel system components.
- Dispose of old fuel and parts responsibly according to local regulations.

COMPATIBILITY AND PART NUMBERS

This HURI Carburetor Tune-Up Kit is compatible with the following RedMax backpack blower models:

- RedMax EB7000
- RedMax EB7001
- RedMax EB4300
- RedMax EB4400
- RedMax EB431

This kit replaces the following original equipment manufacturer (OEM) and aftermarket part numbers:

- T401281000
- 521832701
- WYK-123
- WYK-123-1
- 521115801
- WYK-66

PACKAGE CONTENTS

Verify that all components listed below are present in your kit:

- 1x Carburetor
- 2x Fuel Lines
- 2x Fuel Filters
- 1x Spark Plug
- 2x Grommets
- 1x Gasket
- 2x Primer Bulbs



Image 1: All components included in the HURI Carburetor Tune-Up Kit. This image displays the carburetor, two fuel lines (yellow and black), two fuel filters, a spark plug, two grommets, a gasket, and two primer bulbs, laid out on a white background.

SETUP AND INSTALLATION

Replacing carburetor components requires careful attention. If you are unsure about any step, it is recommended to consult a qualified technician or refer to detailed video tutorials specific to your blower model.

Tools Required (Not Included):

- Screwdrivers (Phillips and Flathead)
- Socket wrench or nut driver set
- Pliers
- Fuel resistant sealant (optional, for fuel line connections)

General Installation Steps:

1. **Preparation:** Ensure the blower is turned off, cool, and the spark plug wire is disconnected. Drain any remaining fuel from the tank.
2. **Remove Air Filter Assembly:** Locate and remove the air filter cover and the air filter element.
3. **Disconnect Fuel Lines:** Carefully disconnect the fuel lines from the carburetor and the fuel tank. Note their routing for correct reinstallation.
4. **Remove Old Carburetor:** Unbolt the old carburetor from the engine intake. Pay attention to any gaskets or spacers.
5. **Inspect and Replace Gasket:** Replace the old carburetor gasket with the new one provided in the kit. Ensure it is properly seated to prevent air leaks.
6. **Install New Carburetor:** Mount the new carburetor, ensuring the gasket is correctly positioned. Secure it with the bolts, tightening them evenly.
7. **Replace Fuel Lines and Filters:** Remove the old fuel lines and filters from the fuel tank. Install the new grommets, fuel lines, and fuel filters. Ensure the fuel lines are routed correctly (supply line to carburetor, return line to tank).
Tip: Gently heating the ends of the fuel lines with a heat gun or hot water can make them more pliable for easier connection to fittings. Avoid open flames near fuel.
8. **Install Primer Bulbs:** If replacing, carefully remove the old primer bulbs and install the new ones.
9. **Replace Spark Plug:** Remove the old spark plug and install the new one, ensuring it is tightened to the manufacturer's specifications (do not overtighten).
10. **Reconnect Throttle Cable:** Reattach the throttle cable to the new carburetor. Verify smooth operation of the throttle linkage.
Note: Ensure the throttle body does not interfere with other components when the trigger is squeezed, as this can cause the throttle to stick. Adjust as necessary.
11. **Reassemble Air Filter:** Install the new air filter element (if applicable, not included in this kit but often replaced during tune-ups) and reattach the air filter cover.



Image 2: Front view of the replacement carburetor. This image highlights the air intake and throttle plate of the carburetor.



Image 3: Side view of the replacement carburetor. This view shows the fuel inlet and adjustment screws.



Image 4: Opposite side view of the replacement carburetor. This image provides another perspective of the carburetor's external features.



Image 5: Rear view of the replacement carburetor. This view shows the mounting points and the primer bulb.

Helpful Video Resource:

Your browser does not support the video tag.

Video 1: Installation guide for a WYK-66 carburetor, which is a compatible replacement for your RedMax blower. This video demonstrates the process of replacing a carburetor and related components, offering a visual aid for the installation steps.

OPERATING (POST-INSTALLATION)

1. **Refuel:** Fill the fuel tank with the correct fuel mixture as specified by your RedMax blower's manufacturer.
2. **Prime Carburetor:** Press the primer bulb several times until fuel is visible and flows freely through the fuel lines, indicating the carburetor is primed.
3. **Start Engine:** Follow your blower's specific starting procedure (e.g., choke setting, pull cord).
4. **Adjust Carburetor (if necessary):** If the engine runs rough, stalls, or does not reach full RPM, minor carburetor adjustments may be required. Refer to your blower's original service manual for specific adjustment screw locations and procedures. Typically, these involve adjusting the idle speed and high/low

mixture screws.

MAINTENANCE

- **Fuel Filters:** Inspect fuel filters periodically (e.g., every 25 hours of operation or annually) and replace if clogged or discolored.
- **Spark Plug:** Check the spark plug gap and condition regularly. Replace if electrodes are worn or fouled.
- **Fuel Lines:** Inspect fuel lines for cracks, hardening, or leaks. Replace immediately if any damage is found.
- **Air Filter:** Clean or replace the air filter regularly to ensure proper engine breathing and prevent dirt from entering the carburetor. (Air filter not included in this kit).
- **Fuel Quality:** Always use fresh, clean fuel mixed according to your blower's specifications. Stale or improperly mixed fuel can cause carburetor issues.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Engine will not start	No fuel, clogged fuel filter, faulty spark plug, carburetor not primed, incorrect choke setting.	Check fuel level, replace fuel filter, replace spark plug, prime carburetor, adjust choke.
Engine runs rough or stalls	Clogged fuel filter, dirty air filter, incorrect carburetor adjustment, old/bad fuel.	Replace fuel filter, clean/replace air filter, adjust carburetor, use fresh fuel.
Fuel leak	Loose fuel line connection, cracked fuel line, damaged grommet.	Inspect and tighten connections, replace damaged fuel lines or grommets.
Lack of power	Clogged fuel filter, dirty air filter, incorrect carburetor adjustment, worn spark plug.	Replace fuel filter, clean/replace air filter, adjust carburetor, replace spark plug.

SPECIFICATIONS

- **Manufacturer:** HURI
- **Item Weight:** 9.2 ounces
- **Package Dimensions:** 4.8 x 2.99 x 2.6 inches
- **ASIN:** B08R5SFLLY
- **Date First Available:** December 22, 2020

WARRANTY AND SUPPORT

Specific warranty information for this HURI Carburetor Tune-Up Kit is not provided in the product details. For warranty claims, technical support, or further assistance, please contact the seller directly through your purchase platform. Always retain your proof of purchase for any support inquiries.