

BV165 GBI30V GBI22 GBI20 SV22 SB180

Generic Carburetor Instruction Manual

For Poulan, Paramount, and Weed Eater Models

1. PRODUCT OVERVIEW

This carburetor is a replacement component designed for various small engine equipment, including leaf blowers and trimmers. It ensures the correct mixture of fuel and air for optimal engine performance. This unit is compatible with specific models from Poulan, Paramount, and Weed Eater, and replaces several OEM part numbers.

Key Compatibility:

- **Poulan:** WT3100
- **Paramount:** GB151 Gas Blower, GB151C Gas Blower, GB351 Gas Blower, PLT2248 Gas Trimmer, PLT2651 Gas Trimmer, PLT2857 Gas Trimmer
- **Weed Eater:** BV165, GBI30V, GBI22, GBI20, SV22, SB180, GTI15, GTI15T, GTI16, GTI16 SUPER, GTI16D, GTI17, GTI17C, GTI17XP
- **Replaces OEM Numbers:** 545081825, 530035263, 530071638, WT-629, WT-629-1, WT-298A, WA-219B, WT-141A, WT-583



Image 1: Top-down view of the carburetor, highlighting the fuel inlet and adjustment screws.

2. SAFETY INFORMATION

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

- **Disconnect Spark Plug:** Before performing any maintenance or installation, always disconnect the spark plug wire to prevent accidental engine startup.
- **Ventilation:** Work in a well-ventilated area to avoid inhaling fuel fumes.
- **Eye Protection:** Wear safety glasses to protect your eyes from fuel splashes or debris.
- **Fire Hazard:** Keep open flames, sparks, and other ignition sources away from fuel and fuel system components.
- **Fuel Handling:** Handle gasoline with care. Store it in approved containers and wipe up any spills immediately.
- **Hot Surfaces:** Allow the engine to cool completely before working on it to avoid burns.

3. PACKAGE CONTENTS

The package includes the following items:

- 1 x Carburetor

4. SETUP AND INSTALLATION

This section provides general guidance for replacing a carburetor. Specific steps may vary depending on your equipment model. If you are unsure about any step, consult your equipment's service manual or seek professional assistance.

1. **Preparation:** Ensure the engine is cool. Disconnect the spark plug wire. Drain any fuel from the fuel tank.
2. **Access Carburetor:** Remove the air filter cover, air filter, and any housing or shrouds that obstruct access to the carburetor.
3. **Disconnect Components:** Carefully disconnect the fuel lines from the old carburetor. Note their positions for reinstallation. Disconnect the throttle linkage and choke linkage.
4. **Remove Old Carburetor:** Unbolt the old carburetor from the engine manifold. Be mindful of any gaskets between the carburetor and the engine.
5. **Install New Carburetor:** Place new gaskets (if supplied or required) and mount the new carburetor onto the engine manifold. Secure it with the bolts.
6. **Reconnect Components:** Reattach the fuel lines to their correct ports on the new carburetor. Reconnect the throttle and choke linkages. Ensure all connections are secure and move freely.
7. **Reassemble:** Reinstall the air filter housing, air filter, and any other removed shrouds or covers.
8. **Fuel and Spark Plug:** Refill the fuel tank with fresh, appropriate fuel mixture. Reconnect the spark plug wire.
9. **Priming:** If your equipment has a primer bulb, press it several times until fuel is visible in the bulb.

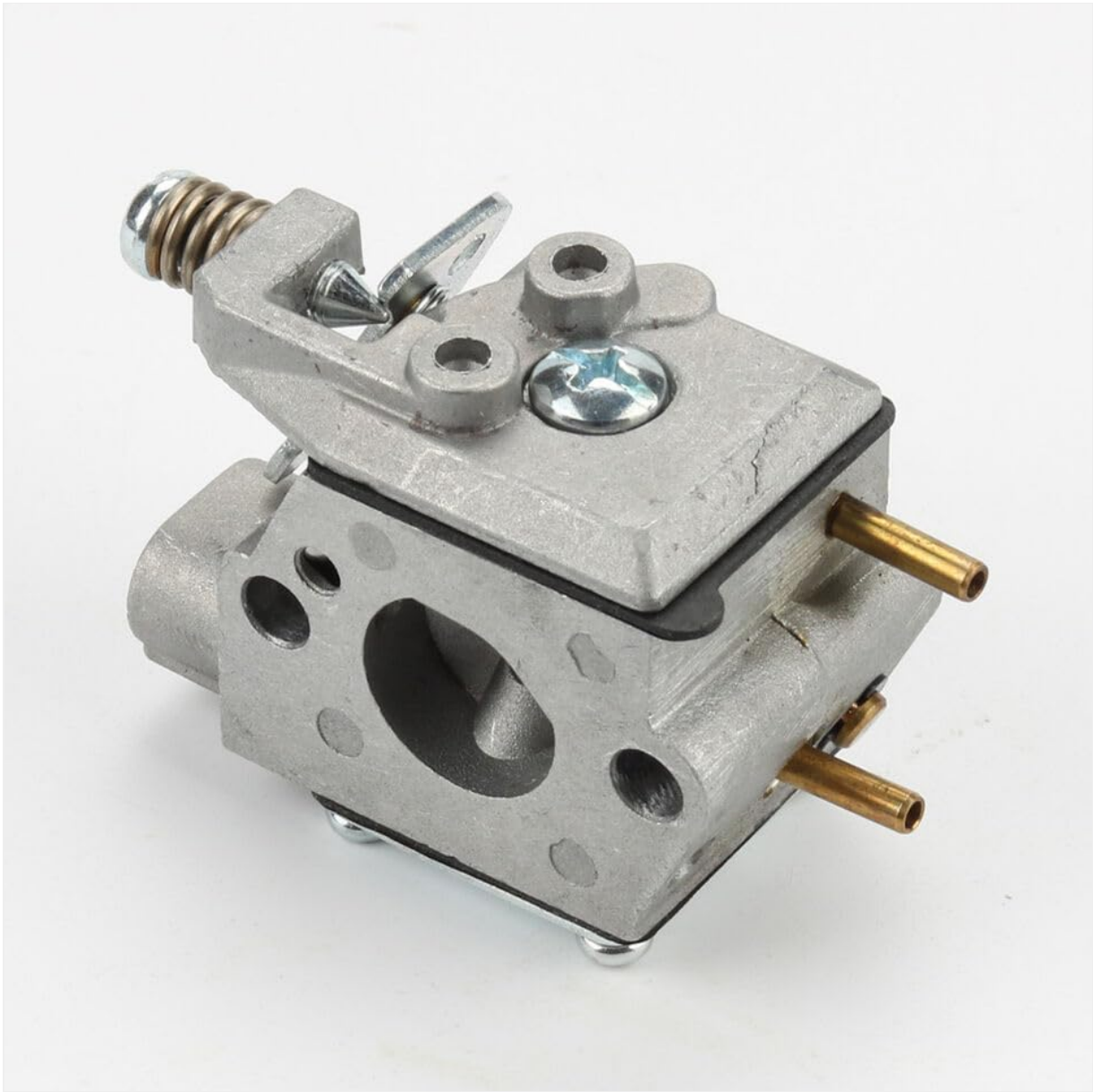


Image 2: Side view of the carburetor, illustrating the fuel intake and mounting points.

5. OPERATING

The carburetor's primary function is to mix air and fuel in the correct ratio for combustion. Once installed, the carburetor operates automatically to deliver this mixture to the engine. Proper starting procedures for your specific equipment (choke settings, primer bulb use) should be followed as outlined in your equipment's original manual.

After installation, the engine may require a few pulls to start as the fuel system primes. If the engine runs rough, minor adjustments to the carburetor's idle speed or mixture screws (if present and adjustable) may be necessary. Refer to your equipment's manual for specific adjustment procedures.

6. MAINTENANCE

Regular maintenance of your carburetor and fuel system can extend the life of your equipment and ensure reliable operation.

- **Fuel Quality:** Always use fresh, clean fuel. Stale fuel can cause deposits and clog carburetor jets. Consider using a fuel stabilizer, especially during storage.
- **Fuel Filter:** Regularly inspect and replace the fuel filter (if equipped) to prevent contaminants from

reaching the carburetor.

- **Air Filter:** A clean air filter is crucial for proper air-fuel mixture. Clean or replace the air filter as recommended by your equipment's manufacturer.
- **Carburetor Cleaning:** If performance issues arise, the carburetor may need cleaning. This typically involves disassembling the carburetor, cleaning jets and passages with carburetor cleaner, and blowing them dry with compressed air. This task is best performed by experienced individuals.
- **Gasket Inspection:** Periodically check for fuel leaks around the carburetor and fuel lines. Replace any cracked or worn gaskets and fuel lines.



Image 3: Another side view of the carburetor, detailing the throttle plate and spring mechanism.

7. TROUBLESHOOTING

If your equipment experiences issues after carburetor replacement, consider the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Engine will not start	No fuel reaching carburetor; clogged fuel filter; incorrect choke setting; spark plug issue	Check fuel lines for kinks, ensure fuel tank is full, replace fuel filter, verify choke operation, check spark plug.
Engine starts but runs rough/stalls	Clogged carburetor jets; air leak around carburetor gaskets; incorrect idle adjustment	Clean carburetor jets, inspect and replace gaskets, adjust idle speed screw.
Loss of power during operation	Partially clogged fuel filter or carburetor jets; dirty air filter	Replace fuel filter, clean carburetor, clean or replace air filter.
Fuel leaks	Loose fuel line connections; damaged fuel lines or gaskets	Tighten connections, replace damaged fuel lines or gaskets.

8. SPECIFICATIONS

- **Brand:** Generic
- **Model Numbers (Compatible):** BV165, GBI30V, GBI22, GBI20, SV22, SB180 (and others listed in Product Overview)
- **Manufacturer:** Madoanlong
- **Manufacturer Part Number:** #545081825
- **Item Weight:** Approximately 2 Pounds

9. WARRANTY INFORMATION

Specific warranty details for this Generic carburetor are not provided in the product information. Please refer to the seller or original purchase documentation for any applicable warranty terms.

10. SUPPORT

For technical support or further assistance, please contact the seller through your purchase platform. Ensure you have your order details and product information available when contacting support.