

AISEN TB625EC, TB675EC

AISEN Carburetor Instruction Manual

For Troy Bilt TB625EC and TB675EC Trimmers

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your new AISEN Carburetor. This carburetor is designed as a direct replacement for specific Troy Bilt trimmer models, ensuring optimal fuel delivery to the engine. Please read this manual thoroughly before attempting any installation or maintenance procedures.

Compatibility:

- Fits Troy Bilt TB625EC Trimmer
- Fits Troy Bilt TB675EC Trimmer
- Replaces part numbers 41ADZ62C766 and 41ADZ67C766

2. SAFETY INFORMATION

Always prioritize safety when working with fuel systems and power tools. Failure to follow safety instructions can result in serious injury or property damage.

- **Disconnect Spark Plug:** Before performing any service or maintenance, always disconnect the spark plug wire to prevent accidental engine starting.
- **Fuel Handling:** Gasoline is highly flammable. Work in a well-ventilated area, away from open flames or sparks. Store fuel in approved containers.
- **Eye Protection:** Always wear safety glasses or goggles to protect your eyes from debris and fuel splashes.
- **Gloves:** Wear appropriate gloves to protect your hands from fuel and sharp edges.
- **Engine Cool Down:** Allow the engine to cool completely before working on the carburetor or fuel system.
- **Refer to Trimmer Manual:** Consult your Troy Bilt trimmer's original owner's manual for specific safety precautions and detailed disassembly/assembly instructions.

3. SETUP AND INSTALLATION

This section outlines the general steps for replacing the carburetor. Specific procedures may vary slightly depending on your trimmer model. Always refer to your trimmer's service manual for precise instructions.

Tools Required (Typical):

- Screwdrivers (Phillips and Flathead)
- Socket/Wrench Set
- Pliers
- Fuel Line Clamps (optional)
- Clean Rags

Installation Steps:

1. **Prepare the Trimmer:** Ensure the engine is cool. Disconnect the spark plug wire. Drain any fuel from the fuel tank into an approved container.
2. **Access the Carburetor:** Remove any air filter covers, air filters, or other components obstructing access to the carburetor. This may involve removing screws or clips.
3. **Disconnect Fuel Lines:** Carefully disconnect the fuel lines from the old carburetor. Be prepared for residual fuel to leak. Note the routing of the fuel lines for reassembly.
4. **Disconnect Throttle Linkage:** Detach the throttle cable or linkage from the old carburetor. Pay attention to how it connects.
5. **Remove Old Carburetor:** Unscrew the mounting bolts or nuts that secure the carburetor to the engine manifold. Carefully remove the old carburetor, noting any gaskets or spacers.
6. **Inspect and Clean:** Inspect the engine manifold and surrounding area for any debris or old gasket material. Clean thoroughly if necessary.
7. **Install New Carburetor:** Place new gaskets (if supplied or required) and spacers in their correct positions. Mount the new AISEN Carburetor, ensuring it is seated properly. Secure it with the mounting bolts/nuts, tightening them evenly.
8. **Reconnect Throttle Linkage:** Reattach the throttle cable or linkage to the new carburetor. Verify smooth operation of the throttle.
9. **Reconnect Fuel Lines:** Reconnect the fuel lines to the appropriate ports on the new carburetor. Ensure connections are secure and free of leaks.
10. **Reassemble Components:** Reinstall the air filter, air filter cover, and any other components removed during disassembly.
11. **Refill Fuel:** Refill the fuel tank with fresh, appropriate fuel mixture (if applicable for 2-stroke engines).
12. **Reconnect Spark Plug:** Reconnect the spark plug wire.



Figure 1: Front view of the AISEN Carburetor, showing fuel inlet and adjustment screws.



Figure 2: Side view of the AISEN Carburetor, highlighting the throttle linkage mechanism.



Figure 3: Top view of the AISEN Carburetor, showing the air intake port.

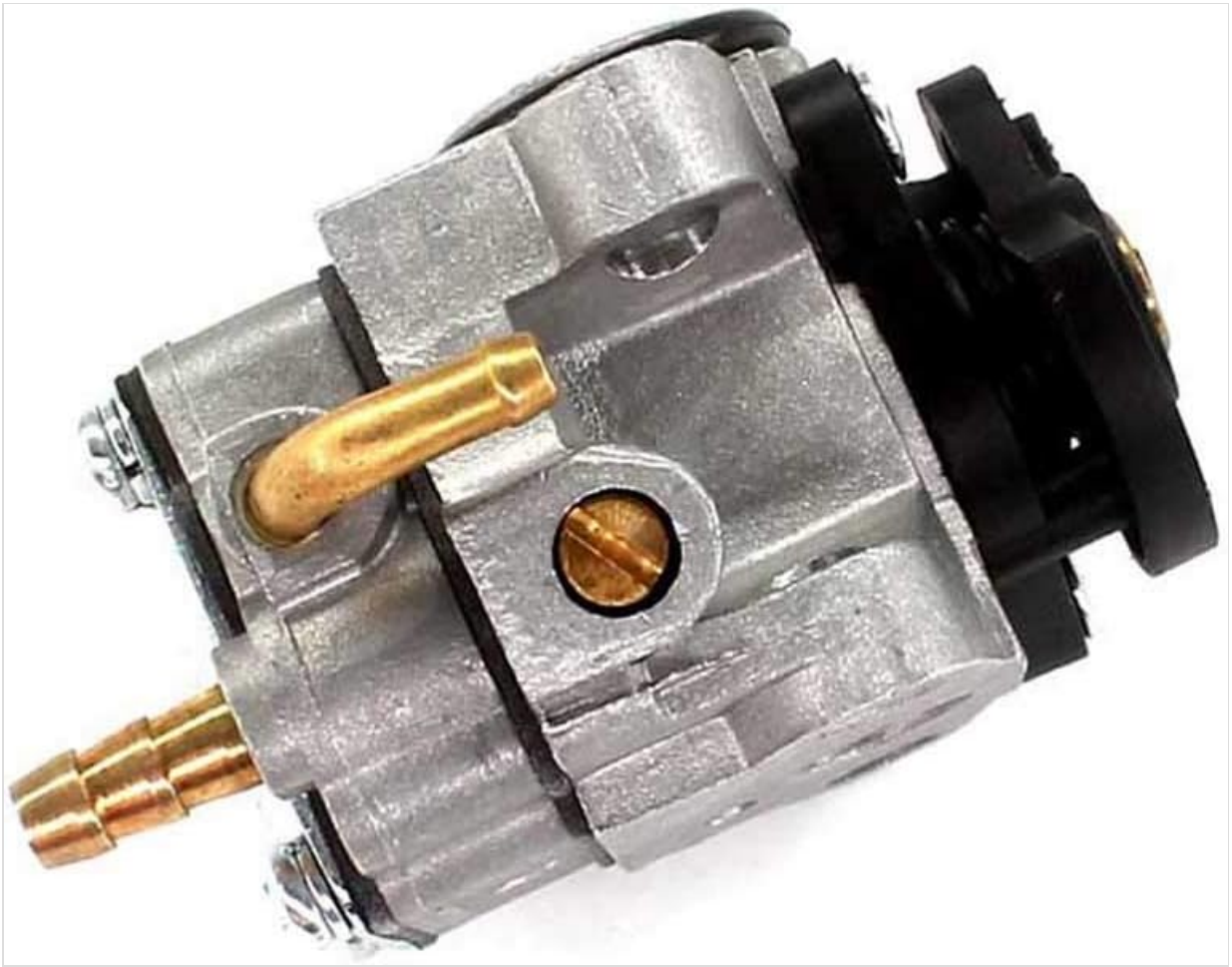


Figure 4: Angled view of the AISEN Carburetor, providing a comprehensive look at its components.

4. OPERATING INSTRUCTIONS

Once the new carburetor is installed, the trimmer's operating procedures remain largely the same as described in your original Troy Bilt owner's manual. The carburetor's primary function is to mix air and fuel for combustion; it does not alter the user's interaction with the trimmer's controls.

- **Priming:** If your trimmer has a primer bulb, press it several times until fuel is visible in the bulb.
- **Choke:** Use the choke as instructed by your trimmer's manual for cold starts.
- **Starting:** Follow the specific starting sequence (e.g., pull cord, electric start) outlined in your trimmer's manual.
- **Adjustments:** This carburetor is typically pre-set for optimal performance. Avoid making unnecessary adjustments to the idle or mixture screws unless you have experience and proper tools. Refer to the troubleshooting section if performance issues arise.

5. MAINTENANCE

Proper maintenance ensures the longevity and efficient operation of your carburetor and trimmer.

- **Fuel Quality:** Always use fresh, clean fuel. Stale fuel or fuel containing ethanol can cause carburetor issues. Consider using a fuel stabilizer if storing fuel for extended periods.
- **Fuel Filter:** Regularly check and replace the fuel filter in your trimmer's fuel tank. A clogged fuel filter can restrict fuel flow to the carburetor.
- **Air Filter:** Keep the air filter clean. A dirty air filter can restrict airflow, leading to a rich fuel mixture and poor engine performance.
- **Carburetor Cleaning:** If performance issues persist, the carburetor may require cleaning. This typically involves

disassembling the carburetor and cleaning jets and passages with carburetor cleaner. This procedure should only be performed by individuals with mechanical experience.

- **Storage:** Before long-term storage, run the engine until it runs out of fuel, or drain the fuel tank and carburetor bowl to prevent fuel degradation and gumming.

6. TROUBLESHOOTING

If you experience issues after installing the new carburetor, consider the following common troubleshooting steps:

- **Engine Not Starting:**
 - Ensure spark plug wire is connected.
 - Check for fuel in the tank and proper fuel line connections.
 - Verify the primer bulb is working and fuel is visible.
 - Check the spark plug for fouling or damage.
 - Ensure the choke is set correctly for starting.
- **Engine Runs Rough or Stalls:**
 - Check air filter for cleanliness.
 - Inspect fuel lines for kinks or leaks.
 - Ensure fuel is fresh and not contaminated.
 - Verify all carburetor mounting bolts are tight.
 - If the engine runs rough only at idle, a slight idle speed adjustment might be needed (refer to trimmer manual).
- **Engine Lacks Power:**
 - Check air filter.
 - Ensure fuel filter is not clogged.
 - Verify proper fuel mixture (if applicable for 2-stroke).

If these steps do not resolve the issue, it is recommended to consult a qualified service technician or refer to your trimmer's comprehensive service manual.

7. SPECIFICATIONS

Brand	AISEN
Model Compatibility	Troy Bilt TB625EC, TB675EC Trimmers
Replaces Part Numbers	41ADZ62C766, 41ADZ67C766
UPC	796914774723

8. WARRANTY INFORMATION

Specific warranty details for this AISEN Carburetor are not provided in the product information. For warranty inquiries, please refer to the seller's return policy or contact the seller directly through your purchase platform.

9. SUPPORT AND CONTACT

For technical assistance or further questions regarding the AISEN Carburetor, please contact the seller directly via the platform where the purchase was made. Ensure you have your order details readily available.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question