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Troy-Bilt 25B-304-766

Troy-Bilt 25B-304-766 30cc Gas 4-Cycle Driveway Edger Instruction Manual

Model: 25B-304-766 | Brand: Troy-Bilt

INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Troy-Bilt 25B-304-766 30cc Gas 4-Cycle Driveway Edger. Please read this manual thoroughly before operating the edger to ensure proper use and to prevent injury or damage.

The TBE304 30cc 4-Cycle Troy-Bilt edger is designed for precision edging along driveways and sidewalks. Its 4-cycle engine offers cleaner operation, reduced noise, and increased torque, eliminating the need to mix gas and oil. Key features include SpringAssist® technology for easy pull starts, Prime & Go™ Starting for quick two-step ignition, a heavy-duty 9-inch dual-tipped steel blade with a 1.75-inch max depth, and an ergonomic handle with integrated controls. The V-style folding handle design allows for compact storage. It also features a 5-position height adjustment and 3 premium transport wheels for enhanced stability and control.

SAFETY INFORMATION

Always wear appropriate personal protective equipment (PPE) including eye protection, hearing protection, and sturdy footwear when operating the edger. Ensure the work area is clear of bystanders, especially children and pets. Do not operate the edger in wet conditions or near flammable materials. Always turn off the engine and disconnect the spark plug before performing any maintenance or adjustments.

This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Always follow local regulations for fuel handling and disposal.

SETUP

1. Assembly

Your Troy-Bilt edger may require minor assembly upon unboxing. This typically involves attaching the handle assembly and ensuring all fasteners are securely tightened. Refer to the included assembly diagram for detailed steps.



Figure 1: The Troy-Bilt edger featuring its V-style folding handle design for compact storage and easy maneuverability.

2. Fuel and Oil

This edger is equipped with a 4-cycle engine, meaning it does not require mixing gas and oil. Use fresh, unleaded gasoline with an octane rating of 87 or higher. Fill the oil reservoir with the provided 4-cycle engine oil to the recommended level. Do not overfill. Always ensure the fuel cap and oil cap are securely fastened before operation.



Figure 2: Close-up view of the 30cc 4-cycle engine, highlighting the fuel tank and oil fill points. Ensure proper fuel and oil levels before starting.

OPERATING INSTRUCTIONS

1. Starting the Engine (Prime & Go™ Starting)

1. Place the edger on a flat, stable surface.
2. Ensure the blade is clear of any obstructions.
3. Set the choke lever to the "Full Choke" position (usually marked with a closed carburetor symbol).
4. Press the primer bulb 3-5 times until fuel is visible in the bulb.
5. Grasp the starter rope handle firmly and pull with a smooth, steady motion until the engine attempts to start (usually 1-2 pulls). Do not pull the rope to its full extension.
6. Once the engine "pops" or attempts to start, move the choke lever to the "Half Choke" or "Run" position (refer to your specific model's markings).
7. Pull the starter rope again until the engine starts.
8. Allow the engine to warm up for a few moments, then move the choke lever to the "Run" position if not already there.



Figure 3: Ergonomic handle design with clearly marked throttle and idle controls for easy operation and quick access to engine functions.

2. Adjusting Edging Depth

The edger features a 5-position height adjustment for varying cutting depths, up to a maximum of 1.75 inches. To adjust the depth, locate the adjustment lever or knob (refer to your edger's specific design) and move it to the desired position. Start with a shallower depth for initial passes, especially in overgrown areas, and gradually increase as needed.

3. Edging Technique

Position the edger with the blade aligned with the edge of your driveway or sidewalk. Engage the throttle to bring the blade up to full speed. Slowly push the edger forward, allowing the blade to cut a clean line. Maintain a steady pace and keep the edger aligned with the path. The 3 premium transport wheels provide stability and control during operation.



Figure 4: The edger in action, demonstrating its ability to create a precise and clean edge between a lawn and a paved surface.



Figure 5: A detailed view of the heavy-duty 9-inch dual-tipped steel blade as it cuts, showcasing the depth adjustment capability.

4. Stopping the Engine

To stop the engine, release the throttle control and move the engine switch to the "OFF" position. Allow the blade to come to a complete stop before moving the edger or performing any tasks.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your edger. Always ensure the engine is off and cool, and the spark plug wire is disconnected before performing any maintenance.

- **Blade Inspection:** Regularly inspect the 9-inch dual-tipped steel blade for sharpness and damage. Replace worn or damaged blades promptly to maintain cutting efficiency and safety.
- **Engine Air Filter:** Clean or replace the air filter as needed, especially in dusty conditions, to ensure proper engine performance.
- **Spark Plug:** Inspect and clean the spark plug periodically. Replace if fouled or damaged.
- **Oil Level:** Check the engine oil level before each use and top up as necessary. Change the oil according to the schedule in the full owner's manual.
- **General Cleaning:** After each use, clean grass clippings and debris from the edger, especially around the blade guard and engine cooling fins.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Engine will not start	No fuel, stale fuel, fouled spark plug, incorrect choke setting.	Add fresh fuel, clean/replace spark plug, adjust choke.
Engine runs poorly/lacks power	Dirty air filter, stale fuel, incorrect engine speed.	Clean/replace air filter, use fresh fuel, ensure throttle is fully engaged.
Blade not cutting effectively	Dull or damaged blade, incorrect cutting depth.	Sharpen or replace blade, adjust cutting depth.

For more detailed troubleshooting, please consult the complete owner's manual or contact Troy-Bilt customer support.

SPECIFICATIONS

- **Model:** 25B-304-766 (TBE304)
- **Engine Type:** 30cc, 4-Cycle Gas
- **Blade:** 9-inch Dual-Tipped Steel Blade
- **Max Edging Depth:** 1.75 inches
- **Height Adjustment:** 5-Position
- **Wheels:** 3 Premium Transport Wheels
- **Starting System:** SpringAssist® Technology, Prime & Go™ Starting
- **Handle:** Fully Molded Ergonomic, V-style Folding
- **Item Weight:** 20 Pounds
- **Dimensions (LxWxH):** Approximately 24.38 x 14.63 x 13.88 inches (packaged)
- **UPC:** 084931848627


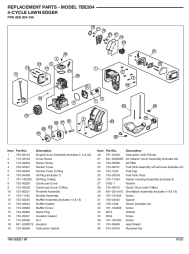


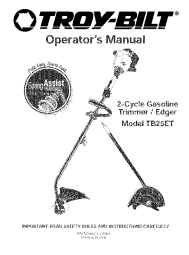
WARRANTY AND SUPPORT

The Troy-Bilt 25B-304-766 30cc Gas 4-Cycle Driveway Edger includes a **2-year limited warranty**. For warranty claims, technical support, or to purchase replacement parts, please contact Troy-Bilt customer service or visit their official website. Keep your proof of purchase for warranty validation.

For more information, visit the official [Troy-Bilt Store on Amazon](#).

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Related Documents - 25B-304-766

	<p>Troy-Bilt TBE304 Driveway Edger Fast Guide</p> <p>A quick start guide for the Troy-Bilt TBE304 Driveway Edger, covering assembly and starting procedures. Includes essential safety information and troubleshooting tips.</p>
	<p>Troy-Bilt TBE304 Lawn Edger Replacement Parts</p> <p>Detailed replacement parts list for the Troy-Bilt TBE304 4-cycle lawn edger, covering engine, handle, chassis, and cutting components with part numbers and descriptions.</p>
	<p>Troy-Bilt Lawn Edger Operator's Manual (Model 769-26149/00)</p> <p>This operator's manual provides comprehensive guidance for the Troy-Bilt Lawn Edger (Model 769-26149/00), covering essential safety instructions, assembly, operation, maintenance, and troubleshooting tips for efficient lawn care.</p>
	<p>Troy-Bilt TBE515 4-Cycle Gasoline Lawn Edger Operator's Manual</p> <p>Essential operator's manual for the Troy-Bilt TBE515 4-Cycle Gasoline Lawn Edger, covering safety, assembly, operation, maintenance, and troubleshooting. Ensure safe and effective use of your lawn edger.</p>
	<p>Troy-Bilt TB25ET 2-Cycle Gasoline Trimmer/Edger Operator's Manual</p> <p>Comprehensive operator's manual for the Troy-Bilt TB25ET 2-Cycle Gasoline Trimmer/Edger, covering safety instructions, operation, maintenance, and troubleshooting.</p>

Problem	Cause
Engine will not start	Gas tank empty, fuel old, choke not set, spark plug bad, air filter dirty, carburetor dirty
Engine will not idle	Choke not set, air filter dirty, carburetor dirty
Engine will not accelerate	Choke not set, air filter dirty, carburetor dirty
Engine has no power	Choke not set, air filter dirty, carburetor dirty

[Troy-Bilt TB400 Leaf Blower Troubleshooting Guide](#)

Troubleshooting guide for common issues with the Troy-Bilt TB400 2-Cycle 25cc Gas Handheld Leaf Blower, including engine not starting, not idling, not accelerating, and lack of power.