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> Owgift Carburetor Instruction Manual for Troy-Bilt Pony Lawn Mowers (Briggs & Stratton 15.5HP-17.5HP 500cc Engines)

Owgift B095KRYQFM

Owgift Carburetor Instruction Manual

For 42" Troy-Bilt Pony Riding Lawn Mowers with Briggs & Stratton 15.5HP, 17.5HP, 500cc Engines

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Owgift replacement carburetor. This carburetor is designed for specific 42-inch Troy-Bilt Pony riding lawn mower models equipped with Briggs & Stratton 15.5HP, 17.5HP, or 500cc engines. Please read these instructions carefully before proceeding with installation or use to ensure proper function and safety.

SAFETY INFORMATION

Always prioritize safety when working with engine components. Failure to follow safety precautions can result in serious injury or damage to equipment.

- Ensure the engine is completely off and cooled down before beginning any work.
- Disconnect the spark plug wire to prevent accidental starting.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Work in a well-ventilated area.
- Keep flammable materials away from the work area.
- If you are unsure about any step, consult a qualified technician.

PACKAGE CONTENTS

Verify that all components are present in the package:

- 1x Owgift Carburetor (as pictured)
- *Note: Gaskets or additional hardware may not be included and might need to be purchased separately.*



Figure 1: Full view of the Owgift Carburetor, showing the main body and fuel bowl assembly.

COMPATIBILITY

This Owgift carburetor is a replacement part specifically designed for 42-inch Troy-Bilt Pony riding lawn mowers equipped with Briggs & Stratton 15.5HP, 17.5HP, or 500cc engines. It replaces carburetors for the following Troy-Bilt Pony models:

- 13WM77KS011
- 13AN77KS211
- 13WN77KS066
- 13AM77KS011
- 13AN77TG766
- 13AN77KG066
- Troy Bilt Generator 13500 Starting Watts 7550
- Troy Bilt Lawn Mower 230R
- Troy Bilt Model 12B753B063 Lawn Mower
- Troy Bilt Model 12B753B766 Lawn Mower
- Troy Bilt Model 13A721JD066 Riding Mower
- Troy Bilt Model 13AJ609G766 Lawn Tractor
- Troy Bilt Model 13AL78BT066 540cc Lawn Tractor
- Troy Bilt Model 13AL78KT066 Lawn Tractor
- Troy Bilt Model 13ALA1KS066 Lawn Tractor
- Troy Bilt Model 13AM77KS01 Lawn Tractor
- Troy Bilt Model 13AN77KG066 Lawn Tractor
- Troy Bilt Model 13BC26JD066 Lawn Tractor
- Troy Bilt Model 13BC26JD211 Lawn Tractor
- Troy Bilt MTD 13AN77TG766 Lawn Tractor Riding Mower
- Troy Bilt MTD 13C26JD011 Lawn Tractor Riding Mower

- Troy Bilt MTD 13WN77BS011 Lawn Tractor Riding Mower
- TROY BILT PONY 14.5 16 17.5 18 21 HP LAWN TRACT
- Troy Bilt Pony Model 13AN77KS211 Lawn Tractor
- Troy Bilt Pony Model 13WN77KS066 Lawn Tractor
- Troy bilt pony mower 13wm77ks011 with 15.5 hp BS Engine
- Troy Bilt Pony Tractor Mower 17 5HP Briggs Stratton I/C Int
- TroyBilt 13AN77BS011 094492 34161093
- TroyBilt Pony 15.5 horse model number 13am77ks011 Lawn Tractor
- troybuilt 13an77kg011 17.5 500cc with BS engine

Note: Always verify your specific engine model and part number for exact compatibility. If you are unsure, please contact the manufacturer for advice.

SETUP AND INSTALLATION

Replacing a carburetor requires mechanical aptitude. If you are not comfortable performing this procedure, it is recommended to seek professional assistance.

Required Tools (Not Included):

- Socket wrench set
- Screwdrivers (flathead and Phillips)
- Pliers
- Fuel line clamps
- New gaskets (if not included with carburetor)
- Clean rags
- Container for draining fuel

Installation Steps:

1. **Preparation:** Ensure the engine is cool. Disconnect the spark plug wire. Turn off the fuel supply valve (if present) or clamp the fuel line. Place a container under the carburetor to catch any spilled fuel.
2. **Remove Air Filter Assembly:** Carefully remove the air filter housing and air filter to gain access to the carburetor.
3. **Disconnect Fuel Line:** Loosen the clamp and carefully disconnect the fuel line from the old carburetor. Drain any remaining fuel into the container.
4. **Disconnect Linkages:** Detach the throttle and choke linkages from the old carburetor. Take note of their positions or take a photo for reassembly.
5. **Remove Mounting Bolts:** Unscrew the bolts or nuts that secure the carburetor to the engine manifold.
6. **Remove Old Carburetor:** Carefully remove the old carburetor and any old gaskets. Clean the mounting surface on the engine.
7. **Install New Gaskets:** Place new gaskets in their correct positions on the engine manifold and the new carburetor.
8. **Install New Carburetor:** Position the new Owigift carburetor onto the mounting studs. Ensure it sits flush with the gaskets.
9. **Secure Mounting Bolts:** Reinstall and tighten the mounting bolts evenly. Do not overtighten.
10. **Reconnect Linkages:** Reattach the throttle and choke linkages to the new carburetor in their original positions.
11. **Reconnect Fuel Line:** Attach the fuel line to the new carburetor and secure it with the clamp.
12. **Reinstall Air Filter Assembly:** Reassemble the air filter and housing.
13. **Final Checks:** Double-check all connections, ensuring they are secure. Look for any loose parts or tools.



Figure 2: Top view of the Owgift Carburetor, highlighting the throttle and choke linkage points.

OPERATING INSTRUCTIONS (AFTER INSTALLATION)

After successful installation, follow these steps to start your engine:

1. **Reconnect Spark Plug:** Reattach the spark plug wire.
2. **Open Fuel Supply:** Turn on the fuel supply valve. Allow a few moments for the carburetor bowl to fill with fuel.
3. **Choke and Start:** Engage the choke (if applicable for your engine) and attempt to start the engine according to your mower's operating manual.
4. **Warm-up:** Once the engine starts, gradually disengage the choke as the engine warms up.
5. **Idle Adjustment:** If the engine idles too high or too low, minor adjustments to the idle screw on the carburetor may be necessary. Refer to your engine's service manual for specific adjustment procedures.

MAINTENANCE

Proper maintenance extends the life of your carburetor and ensures optimal engine performance.

- **Fuel Quality:** Always use fresh, clean fuel. Stale or contaminated fuel is a primary cause of carburetor issues. Consider using a fuel stabilizer, especially during storage.
- **Fuel Filter:** Regularly inspect and replace the fuel filter according to your engine's maintenance schedule. A clogged fuel filter can restrict fuel flow to the carburetor.
- **Air Filter:** Keep the air filter clean and replace it as recommended. A dirty air filter can cause the engine to run rich and affect carburetor performance.
- **Storage:** Before long-term storage, either run the engine until it runs out of fuel or drain the fuel system to prevent fuel degradation and gumming in the carburetor.
- **Cleaning:** If performance issues arise due to fuel contamination, the carburetor may need to be cleaned. This typically involves disassembling the carburetor and cleaning jets and passages with carburetor cleaner. This procedure should only be performed by individuals with appropriate mechanical knowledge.

TROUBLESHOOTING

If you encounter issues after installing the new carburetor, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Engine won't start	No fuel reaching carburetor Choke not engaged Spark plug issue Incorrect linkage connection	Check fuel line, fuel filter, and fuel valve. Ensure choke is properly engaged for cold starts. Inspect spark plug for fouling or damage. Verify throttle and choke linkages are correctly attached.
Engine runs rough or stalls	Air leak around carburetor Dirty fuel or clogged fuel filter Incorrect idle adjustment Dirty air filter	Check carburetor mounting bolts and gaskets for proper seal. Replace fuel filter, use fresh fuel. Adjust idle screw (refer to engine manual). Clean or replace air filter.
Engine backfires	Lean fuel mixture Ignition timing issue	Ensure no air leaks. Check fuel flow. Consult engine service manual for ignition system checks.

If problems persist after attempting these solutions, it is recommended to consult a professional small engine mechanic.

SPECIFICATIONS

Brand	Owigift
Compatible Engine Type	Briggs & Stratton 15.5HP, 17.5HP, 500cc Engines
Compatible Vehicle Type	Tractor (42" Troy-Bilt Pony Riding Lawn Mowers)
Recommended Uses	Lawn Mower Replacement Part
ASIN	B095KRYQFM
GTIN/UPC	017015818322

WARRANTY INFORMATION

Specific warranty details for this Owigift carburetor are not provided in this manual. For information regarding warranty coverage,

terms, and conditions, please refer to the product packaging or contact the seller directly. Keep your proof of purchase for any warranty claims.

CUSTOMER SUPPORT

If you have questions regarding the compatibility, installation, or performance of your Owigift carburetor, please contact the seller or manufacturer for assistance. When contacting support, please provide your product's ASIN (B095KRYQFM) and your specific mower model number for faster service.

Note: The seller states they will solve problems within 24 hours.