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Owigift Nikki 792535 Series Carburetor Replacement

Owigift Carburetor Replacement Manual

Model: Nikki 792535 Series Carburetor Replacement for Briggs & Stratton Engines

Brand: Owigift

Introduction

This manual provides essential information for the installation, operation, and maintenance of your new Owigift replacement carburetor. Designed for various Briggs & Stratton engines, this carburetor is a direct replacement for several Nikki models, ensuring optimal engine performance. Please read this manual thoroughly before proceeding with installation to ensure proper function and safety.

Safety Information

Always observe the following safety precautions when working with engine components and fuel:

- Ensure the engine is cool and disconnected from its power source (e.g., spark plug wire removed) before beginning any work.
- Work in a well-ventilated area to avoid inhaling fuel fumes.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Handle fuel with extreme care. Fuel is highly flammable. Do not smoke or use open flames near fuel.
- Keep a fire extinguisher readily available.
- Dispose of old fuel and parts responsibly according to local regulations.

Package Contents

Your Owigift carburetor replacement package includes the following components:



Image: The complete Owigift carburetor replacement kit, including the main carburetor unit, fuel line, clamps, and gaskets.

- 1x Carburetor unit
- Associated gaskets
- Fuel line and clamps (as pictured)
- Other small accessories for installation (as pictured)

Compatibility

This Owigift carburetor is an aftermarket replacement part designed to fit various Briggs & Stratton engines, typically ranging from 13.5hp to 21hp. It replaces the following Nikki carburetor part numbers:

- Nikki 792535, G02804, 793365, 792554, G02803, 7115
- Nikki 799256, G02816, 3125, 799246, GO2816, 2Y07
- Nikki 795366, G02708, 792036, G02801, 31P777-0299-E1
- Nikki 697216, 698945, G02510, 696353, 602701, 2619N
- Nikki 792534, G02803

It is also known to fit specific engine models such as:

- Craftsman Lawn Tractor models (e.g., LT2000 with Nikki 792036)
- Poulan Mower models (e.g., PO17542LT, Poulan Pro 20HP 42 inch riding mower with Nikki 792036)
- Briggs & Stratton engines with 17hp to 21hp (e.g., 331877 1371B1 engine, 31H7770297E1 Engine)

If you are unsure about compatibility, please refer to your engine's service manual or contact customer support with your engine's model and serial number.

Installation Guide

This section outlines the general steps for replacing a carburetor. Specific procedures may vary slightly depending on your

engine model. Always consult your engine's service manual for detailed instructions.

1. **Preparation:**
    - Ensure the engine is cool.
    - Disconnect the spark plug wire to prevent accidental starting.
    - Turn off the fuel supply valve (if equipped) or clamp the fuel line.
    - Place a suitable container under the carburetor to catch any spilled fuel.
2. **Remove Air Filter Assembly:**

    Carefully remove the air filter housing and air filter element to gain access to the carburetor.
3. **Disconnect Linkages and Fuel Line:**

    Note the position of all linkages (throttle, choke) connected to the carburetor. Take photos if necessary for reassembly. Disconnect the fuel line from the carburetor.



Image: Side view of the carburetor showing the throttle and choke linkages. Pay close attention to their connection points during removal.

4. **Remove Old Carburetor:**

Unbolt the carburetor from the engine manifold. Be careful not to damage the mounting studs. Remove any old gaskets.



Image: Front view of the carburetor, highlighting the mounting points and fuel inlet.

5. **Install New Carburetor:**

   Clean the mounting surface on the engine. Install new gaskets (included in the package) on both sides of the carburetor. Mount the new Owigift carburetor onto the engine, ensuring it is seated correctly. Tighten the mounting bolts evenly to the manufacturer's specifications.

6. **Reconnect Components:**

   Reconnect the throttle and choke linkages to the new carburetor. Ensure they move freely and operate correctly. Connect the fuel line to the carburetor's fuel inlet, securing it with the provided clamps.

7. **Reinstall Air Filter Assembly:**

   Reinstall the air filter element and air filter housing.

8. **Final Checks:**

   Double-check all connections for tightness. Ensure no tools or debris are left in the engine area. Reconnect the spark plug wire.

Operating Instructions (After Installation)

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

- Open the fuel supply valve (if applicable).
- Prime the carburetor if your engine has a primer bulb, following your engine's specific instructions.
- Set the choke to the appropriate starting position (usually full choke for a cold engine).
- Start the engine according to your equipment's operating manual.
- Once the engine starts, gradually move the choke to the "run" position as the engine warms up.

Maintenance

Proper maintenance extends the life of your carburetor and ensures reliable 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 check and replace the fuel filter (if equipped) to prevent debris from reaching the carburetor.
- **Air Filter:** Keep the air filter clean. A dirty air filter can restrict airflow and cause the engine to run rich, affecting carburetor performance.
- **Seasonal Storage:** Before long-term storage, drain the fuel system or run the engine until it runs out of fuel to prevent gum and varnish buildup in the carburetor.

Troubleshooting

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

- **Engine Not Starting:**
  - Check fuel supply: Ensure fuel valve is open and tank has fuel.
  - Spark plug: Verify spark plug is connected and in good condition.
  - Choke position: Ensure choke is set correctly for starting.
  - Fuel line: Check for kinks or blockages in the fuel line.
- **Engine Runs Rough or Surges:**
  - Air filter: Check if the air filter is clean and properly installed.
  - Gaskets: Inspect carburetor gaskets for proper sealing; air leaks can cause surging.
  - Fuel quality: Ensure fresh, clean fuel is being used.
- **Fuel Leaks:**
  - Connections: Check all fuel line connections and clamps for tightness.
  - Gaskets: Ensure carburetor mounting gaskets are properly seated and not damaged.

For persistent issues, it is recommended to consult a qualified service technician.

Specifications

Product Type	Replacement Carburetor
Brand	Owigift
Compatibility	Briggs & Stratton Engines (13.5hp-21hp), replaces various Nikki carburetor models
Vehicle Service Type	Tractor
UPC	017015817721
ASIN	B096494MFR

Customer Support

For any questions regarding compatibility, installation, or troubleshooting, please contact Owigift customer support. We

are committed to resolving your inquiries within 24 hours.

Please note: Specific contact details are not provided in this manual. Refer to your purchase documentation or the seller's website for direct contact information.

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