

FTYHFEFH 6BSXS.3422HT 276306

FTYHFEFH Carburetor Instruction Manual

For Briggs & Stratton Engine Models 6BSXS.3422HT and 276306

1. INTRODUCTION

1.1 Product Overview

This manual provides essential information for the installation, operation, and maintenance of your FTYHFEFH carburetor, designed as a direct replacement for Briggs & Stratton engine models 6BSXS.3422HT and 276306. This precision-engineered component is manufactured to exact equipment standards to ensure proper fit and function, facilitating easy maintenance and reliable engine performance.

1.2 Package Contents

The package includes the carburetor unit and all components exactly as depicted in the product images. Each unit undergoes professional quality inspection prior to shipment to ensure completeness and functionality.

- Carburetor assembly
- Gaskets (typically two, as shown)
- Linkage rods and springs (as applicable)
- Other small components for installation



Figure 1.1: Complete FTYHFEFH carburetor assembly with included gaskets and linkage components.

2. SPECIFICATIONS

Refer to the following table for detailed product specifications:

Feature	Detail
Brand	FTYHFEFH
Compatible Engine Models	Briggs & Stratton 6BSXS.3422HT, 276306
Item Weight	Approximately 1 pound
Product Dimensions	Approximately 1 x 1 x 1 inches (L x W x H)
Manufacturer Part Number	1 (Generic)
UPC	779824710067

Note: Dimensions and weight are approximate and may vary slightly.

3. SETUP AND INSTALLATION

This carburetor is designed for direct replacement. While installation can be performed by individuals with mechanical aptitude, professional installation is recommended to ensure correct fitment and optimal engine performance. Always refer to your engine's specific service manual for detailed instructions and safety precautions.

3.1 Safety Precautions

- Ensure the engine is cool and disconnected from any power source (e.g., spark plug wire removed).
- Work in a well-ventilated area.
- Wear appropriate personal protective equipment, including gloves and eye protection.
- Have a fire extinguisher readily available when working with fuel.

3.2 Installation Steps (General Guide)

1. **Prepare the Engine:** Disconnect the spark plug wire. Turn off the fuel supply and drain any fuel from the fuel tank and carburetor bowl.
2. **Remove Air Filter Assembly:** Carefully remove the air filter housing and air filter to access the carburetor.
3. **Disconnect Fuel Line and Linkages:** Disconnect the fuel line from the old carburetor. Note the routing and connection points of all linkages (throttle, choke) before detaching them. Taking photos can be helpful.
4. **Remove Old Carburetor:** Unbolt the old carburetor from the engine. Ensure all old gasket material is removed from the mounting surfaces.
5. **Install New Gaskets:** Place the new gaskets provided with your FTYHFEFH carburetor onto the mounting studs. Ensure they are correctly oriented to prevent air leaks.
6. **Mount New Carburetor:** Carefully position the new FTYHFEFH carburetor onto the mounting studs, ensuring the linkages can be reconnected easily. Secure it with the original bolts, tightening them evenly.
7. **Reconnect Linkages and Fuel Line:** Reattach the throttle and choke linkages to their correct positions. Reconnect the fuel line, ensuring a secure, leak-free connection.
8. **Reinstall Air Filter Assembly:** Reattach the air filter and its housing.
9. **Final Checks:** Double-check all connections, ensuring they are tight and secure. Look for any signs of fuel leaks.



Figure 3.1: Side view of the FTYHFEFH carburetor, showing fuel inlet and linkage points.



Figure 3.2: Rear view of the FTYHFEFH carburetor, highlighting mounting points and internal components.

4. OPERATING CONSIDERATIONS

Once the FTYHFEFH carburetor is correctly installed, its operation is integrated with the engine's normal function. The carburetor's primary role is to mix air and fuel in the correct proportions for combustion. Proper installation ensures the engine receives the optimal fuel-air mixture.

- **Fuel Quality:** Always use fresh, clean fuel as recommended by your engine manufacturer. Stale or contaminated fuel can lead to carburetor issues.
- **Engine Starting:** Follow your engine manufacturer's specific starting procedures (e.g., choke settings, primer bulb usage).
- **Performance:** A properly functioning carburetor will contribute to smooth engine idling, consistent power delivery, and efficient fuel consumption.

5. MAINTENANCE

Regular maintenance of your engine, including the fuel system, is crucial for longevity and performance. While the carburetor itself is a sealed unit, certain preventative measures can extend its lifespan.

- **Fuel System Cleanliness:** Use a fuel stabilizer if storing the engine for extended periods. Drain the fuel system before long-term storage.
- **Air Filter:** Regularly inspect and clean or replace the air filter to ensure clean air enters the carburetor. A dirty air filter can cause rich fuel mixtures and poor performance.
- **Fuel Filter:** If your engine has an inline fuel filter, inspect and replace it periodically to prevent contaminants from reaching the carburetor.

- **External Cleaning:** Keep the exterior of the carburetor clean from dirt and debris.

6. TROUBLESHOOTING COMMON ISSUES

If your engine experiences issues after carburetor replacement, consider the following common troubleshooting steps:

Symptom	Possible Cause	Solution
Engine will not start	No fuel, incorrect choke setting, spark plug issue, air leak at carburetor gasket.	Check fuel level, ensure choke is set correctly, inspect spark plug, re-check carburetor mounting and gaskets.
Engine runs rough or stalls	Dirty fuel, clogged fuel filter, air filter restriction, incorrect linkage adjustment.	Use fresh fuel, replace fuel filter, clean/replace air filter, verify linkage connections.
Fuel leaks	Loose fuel line connection, damaged fuel line, improperly seated carburetor bowl.	Tighten fuel line clamps, inspect fuel line for cracks, ensure carburetor bowl is sealed correctly.

If issues persist after basic troubleshooting, it is advisable to consult a qualified small engine technician.

7. WARRANTY AND SUPPORT

For specific warranty information regarding your FTYHFEFH carburetor, please refer to the documentation provided at the time of purchase or contact the manufacturer directly. Keep your proof of purchase for any warranty claims.

For technical support or further assistance, please contact FTYHFEFH customer service through the retailer where the product was purchased or via the manufacturer's official contact channels.