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› [FTYHFEFH Carburetor Instruction Manual for Briggs & Stratton 13-17HP Engines](#)

## FTYHFEFH FTYHFEFH

# FTYHFEFH Carburetor Instruction Manual for Briggs & Stratton 13-17HP Engines

Model: FTYHFEFH | Brand: FTYHFEFH

## 1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your FTYHFEFH carburetor, designed as a direct replacement for Briggs & Stratton 13HP, 14HP, 15HP, 16HP, and 17HP engines. Please read this manual thoroughly before attempting any installation or maintenance procedures to ensure safe and correct usage.

## 2. PACKAGE CONTENTS

Verify that all components listed below are present in your package. The package includes the carburetor and associated parts as depicted in the product images.

- Carburetor assembly
- Fuel line
- Choke lever
- Gasket
- Mounting hardware (screws, clamps)



Figure 1: Complete carburetor assembly and included accessories.

### 3. SAFETY INFORMATION

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

- **Disconnect Spark Plug:** Before beginning any work, always disconnect the spark plug wire to prevent accidental engine startup.
- **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:** Wear safety glasses to protect your eyes from debris or fuel splashes.
- **Gloves:** Wear appropriate gloves to protect hands from fuel, oil, and sharp edges.
- **Engine Cooling:** Allow the engine to cool completely before performing any maintenance or installation.
- **Professional Assistance:** If you are unsure about any step, consult a qualified technician.

### 4. INSTALLATION INSTRUCTIONS

This carburetor is designed for direct replacement. While no special tools are typically required, basic hand tools will be necessary. Refer to your engine's specific service manual for detailed removal procedures of the old carburetor.

#### 1. Preparation:

- Ensure the engine is cool and the spark plug wire is disconnected.
- Drain the fuel tank or clamp the fuel line to prevent fuel leakage.
- Clean the area around the carburetor to prevent dirt from entering the engine.

## 2. Remove Old Carburetor:

- Carefully disconnect the fuel line, throttle linkage, and choke linkage from the old carburetor.
- Unbolt the old carburetor from the engine manifold. Note the position of any gaskets.

## 3. Install New Carburetor:

- Ensure the new gasket is correctly positioned between the carburetor and the engine manifold.
- Mount the new FTYHFEFH carburetor onto the engine, securing it with the appropriate bolts. Do not overtighten.
- Reconnect the throttle linkage and choke linkage. Ensure they operate smoothly without binding.
- Connect the new fuel line to the carburetor and secure it with the provided clamps.

## 4. Final Checks:

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



Figure 2: Front view of the FTYHFEFH carburetor, showing fuel inlet and linkage points.



Figure 3: Side view of the FTYHFEFH carburetor, highlighting the choke mechanism.

## 5. OPERATION

Once installed, the carburetor's primary function is to mix air and fuel in the correct ratio for combustion. After installation, refill the fuel tank and attempt to start the engine according to the engine manufacturer's instructions. The engine should start and run smoothly. Minor adjustments to the idle speed screw may be necessary for optimal performance.

## 6. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your carburetor and engine.

- **Fuel Quality:** Always use fresh, clean gasoline. Stale or contaminated fuel is a common cause of carburetor issues. Consider using a fuel stabilizer if the engine will be stored for extended periods.
- **Fuel Filter:** Regularly inspect and replace the fuel filter to prevent debris from reaching the carburetor.
- **Air Filter:** A clean air filter is crucial for proper air-fuel mixture. Clean or replace the air filter as recommended by your engine manufacturer.
- **Cleaning:** If the carburetor becomes clogged, it may require cleaning. This typically involves disassembling the carburetor, cleaning jets and passages with carburetor cleaner, and replacing gaskets. This procedure should only be performed by individuals with appropriate mechanical experience.

## 7. TROUBLESHOOTING

Below are common issues related to carburetor function and potential solutions.

Problem	Possible Cause	Solution
Engine will not start	No fuel, clogged fuel filter, clogged carburetor jet, incorrect choke setting.	Check fuel level. Replace fuel filter. Clean carburetor. Adjust choke.
Engine runs rough or stalls	Dirty carburetor, incorrect idle adjustment, air leak, old fuel.	Clean carburetor. Adjust idle screw. Check for air leaks around manifold. Use fresh fuel.
Engine lacks power	Clogged main jet, dirty air filter, improper fuel mixture.	Clean carburetor. Replace air filter. Consult engine manual for mixture adjustments.
Fuel leaks from carburetor	Damaged float, worn needle valve, loose bowl screws, damaged gasket.	Inspect and replace float/needle valve. Tighten bowl screws. Replace gasket.

## 8. SPECIFICATIONS

- Brand:** FTYHFEFH
- Model:** FTYHFEFH
- Compatibility:** Briggs & Stratton 13HP, 14HP, 15HP, 16HP, 17HP Engines
- Item Weight:** 1 pound
- Product Dimensions:** 1 x 1 x 1 inches (approximate)
- Manufacturer Part Number:** 1
- UPC:** 779603348313

## 9. WARRANTY AND SUPPORT

Specific warranty information for this FTYHFEFH carburetor is not provided in the product details. For warranty claims or technical support, please contact the seller or manufacturer directly. Keep your purchase receipt as proof of purchase.