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## FTYHFEFH MV16S

# FTYHFEFH Carburetor Instruction Manual for Kohler Magnum MV16S 16HP Engine

Model: MV16S

## 1. INTRODUCTION

This instruction manual provides essential information for the proper installation, operation, and maintenance of your new FTYHFEFH Carburetor. Designed as a direct replacement for Kohler Magnum MV16S 16HP engines, this carburetor is engineered for reliable performance. Please read this manual thoroughly before attempting any installation or maintenance procedures to ensure safe and correct usage.

## 2. PRODUCT OVERVIEW

The carburetor is a crucial component of an internal combustion engine, responsible for mixing air and fuel in the correct ratio for combustion. This FTYHFEFH carburetor is manufactured to meet original equipment specifications, ensuring optimal engine performance and fuel efficiency for compatible Kohler Magnum 16HP MV16S engines.



**Figure 2.1:** Overall view of the FTYHFEFH Carburetor, showing the main body and included gaskets.

### 3. COMPATIBILITY

This FTYHFEFH Carburetor is specifically designed as a direct replacement for:

- **Kohler Magnum 16HP MV16S Engine**
- **Kohler Magnum MV 16S Engine**

Please verify your engine model number before installation to ensure proper fitment.

### 4. PACKAGE CONTENTS

Upon opening the package, please ensure all items are present and undamaged:

- 1 x FTYHFEFH Carburetor (Model MV16S compatible)
- 2 x Mounting Gaskets (as shown in product images)



**Figure 4.1:** Side view of the carburetor, illustrating its various ports and linkages.

## 5. SAFETY INFORMATION

Always prioritize safety when working with engine components and fuel. Failure to follow these safety guidelines may result in injury or damage to equipment.

- **Disconnect Battery:** Before starting any work, disconnect the engine's battery to prevent accidental starting.
- **Fuel Handling:** Gasoline is highly flammable. Work in a well-ventilated area, away from open flames or sparks. Wear appropriate personal protective equipment (PPE), such as gloves and eye protection.
- **Hot Surfaces:** Engine components can be extremely hot. Allow the engine to cool completely before servicing.
- **Ventilation:** Ensure adequate ventilation when working with fuel and engine fumes.
- **Professional Assistance:** If you are unsure about any step of the installation process, consult a qualified mechanic.

## 6. SETUP AND INSTALLATION

This section outlines the general steps for replacing the carburetor. Specific procedures may vary slightly

depending on your engine's configuration. Refer to your engine's service manual for detailed instructions.

## 6.1. Pre-Installation Checks

- Ensure the engine is cool and the fuel supply is turned off.
- Gather necessary tools (wrenches, screwdrivers, pliers, etc.).
- Have a container ready to catch any spilled fuel.

## 6.2. Removal of Old Carburetor

1. Carefully disconnect the fuel line from the old carburetor. Plug or clamp the fuel line to prevent leakage.
2. Disconnect any throttle linkage, choke linkage, and electrical connections (if present).
3. Unbolt the old carburetor from the engine manifold and air filter housing.
4. Remove the old gaskets and clean the mounting surfaces thoroughly.



Figure 6.1: Top-down view of the carburetor, highlighting the throttle and choke linkages.

## 6.3. Installation of New Carburetor

1. Place new gaskets on the engine manifold and air filter housing mounting surfaces.
2. Carefully position the new FTYHFEFH carburetor onto the mounting studs, ensuring proper alignment.
3. Secure the carburetor with the appropriate nuts or bolts, tightening them evenly to prevent warping.
4. Reconnect the throttle linkage, choke linkage, and any electrical connections. Ensure all linkages move freely without binding.
5. Reconnect the fuel line, ensuring a secure, leak-free connection.
6. Double-check all connections and ensure no tools or debris are left in the engine area.



Figure 6.2: Bottom view of the carburetor, showing the fuel bowl and mounting points.

## 7. OPERATING INSTRUCTIONS

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

1. Ensure the fuel tank has fresh, clean fuel.
2. Turn on the fuel supply valve (if applicable).
3. Engage the choke (if required for cold starting) and set the throttle to the appropriate starting position.
4. Start the engine according to your engine manufacturer's instructions.

- Once the engine starts, gradually disengage the choke as the engine warms up.
- Allow the engine to run for a few minutes and check for any fuel leaks or unusual noises.



Figure 7.1: Front view of the carburetor, showing the air intake and fuel inlet.

## 8. MAINTENANCE

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

- Fuel Quality:** Always use fresh, clean, and appropriate fuel for your engine. Stale or contaminated fuel is a common cause of carburetor issues.
- Fuel Filter:** Regularly inspect and replace the fuel filter to prevent debris from reaching the carburetor.
- Air Filter:** A clean air filter is essential for proper air-fuel mixture. Clean or replace the air filter as recommended by your engine manufacturer.

- **Carburetor Cleaning:** If the engine experiences performance issues, the carburetor 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 mechanical experience.
- **Storage:** Before long-term storage, drain the fuel from the carburetor bowl or use a fuel stabilizer to prevent gumming and varnish buildup.

## 9. TROUBLESHOOTING

This section addresses common issues that may arise after carburetor replacement. For more complex problems, consult a qualified technician.

Problem	Possible Cause	Solution
Engine will not start	No fuel, clogged fuel line/filter, incorrect choke setting, loose electrical connection.	Check fuel level, inspect fuel line/filter, adjust choke, verify electrical connections.
Engine runs rough or stalls	Improper air-fuel mixture, vacuum leak, dirty carburetor jets, old fuel.	Check for vacuum leaks, clean carburetor, use fresh fuel, adjust idle mixture (if adjustable).
Fuel leaks from carburetor	Loose fuel line connection, damaged float bowl gasket, stuck float needle.	Tighten fuel line, inspect/replace gaskets, clean float needle and seat.
Engine lacks power	Restricted air filter, partially clogged fuel passages, incorrect throttle linkage adjustment.	Clean/replace air filter, clean carburetor, adjust throttle linkage.

## 10. SPECIFICATIONS

- **Brand:** FTYHFEFH
- **Model Compatibility:** Kohler Magnum MV16S 16HP Engine
- **UPC:** 779824710128
- **Part Type:** Carburetor
- **Material:** Durable construction materials (as per manufacturer)

## 11. WARRANTY AND SUPPORT

Specific warranty information for this FTYHFEFH Carburetor is not provided in this manual. For details regarding warranty coverage or technical support, please refer to the product packaging or contact the manufacturer directly through their official channels.