

FTYHFEFH Kohler Command 16.5 OHV Engine Carburetor

FTYHFEFH Carburetor Instruction Manual

FOR KOHLER COMMAND 16.5 OHV ENGINE

Model: Kohler Command 16.5 OHV Engine Carburetor | **Brand:** FTYHFEFH

1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your new FTYHFEFH Carburetor, specifically designed as a direct replacement for Kohler Command 16.5 OHV Engines. Adhering to these instructions will help ensure optimal performance and longevity of your engine's fuel system.

The package includes the carburetor unit and associated gaskets, exactly as depicted in the product images, ready for installation.

2. Package Contents

Upon opening your package, please verify that all components are present and undamaged. The package should contain:

- One (1) FTYHFEFH Carburetor assembly
- Associated mounting gaskets
- Wiring harness (if applicable for electric choke/solenoid)

Refer to the product images for a visual confirmation of the included items.



Figure 2.1: Complete FTYHFEFH Carburetor package contents, including the main carburetor unit, two gaskets, and electrical wiring.

3. Installation Instructions

Safety First: Before beginning any installation, ensure the engine is turned off, cooled down, and the spark plug wire is disconnected to prevent accidental starting. Wear appropriate safety gear, including gloves and eye protection.

1. Preparation:

- Locate the existing carburetor on your Kohler Command 16.5 OHV Engine.
- Carefully disconnect the fuel line, throttle linkage, choke linkage, and any electrical connections from the old carburetor. Be prepared for minor fuel spillage.
- Remove the air filter housing and any other components obstructing access to the carburetor.

2. Removal of Old Carburetor:

- Unbolt the old carburetor from the engine manifold. Note the orientation of any spacers or gaskets.
- Clean the mounting surface on the engine manifold to ensure a proper seal with the new gaskets.

3. Installation of New Carburetor:

- Place the new gaskets in the correct position on the engine manifold.
- Mount the FTYHFEFH Carburetor onto the engine, aligning it with the bolt holes.
- Secure the carburetor with the original bolts, tightening them evenly to prevent warping. Do not overtighten.

4. Connections:

- Reconnect the fuel line to the carburetor's fuel inlet. Ensure a secure, leak-free connection.
- Attach the throttle linkage and choke linkage to their respective points on the new carburetor. Verify smooth operation of both.
- Connect any electrical wires (e.g., for the fuel shut-off solenoid or electric choke) to the corresponding terminals on the carburetor.

5. Final Checks:

- Reinstall the air filter housing and any other components removed during the process.
- Reconnect the spark plug wire.
- Visually inspect all connections for tightness and proper routing.



Figure 3.1: Front view of the carburetor, showing the air intake and mounting points.



Figure 3.2: Side view of the carburetor, highlighting the fuel inlet and linkage connections.

For a visual guide on carburetor components, please refer to the product overview video:

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Video 3.1: Product Overview Video, showcasing various angles and features of a similar carburetor model. This video can assist in identifying components during installation.

4. Engine Operation with New Carburetor

After successful installation, the engine should start and run smoothly. The carburetor is factory-set for standard operating conditions. Minor adjustments may be required depending on environmental factors (altitude, temperature) or specific engine requirements.

- **Initial Start-up:** Turn on the fuel supply. Engage the choke if the engine is cold. Start the engine

according to the manufacturer's instructions for your Kohler Command 16.5 OHV Engine.

- **Warm-up:** Allow the engine to warm up for a few minutes. Disengage the choke gradually as the engine warms.
- **Idle Adjustment:** If the engine idles too high or too low, locate the idle speed screw on the carburetor and adjust it incrementally until a stable idle speed is achieved.
- **Mixture Adjustment (if applicable):** Some carburetors may have a mixture screw. Adjusting this screw can affect fuel-air ratio. Typically, turning it clockwise leans the mixture (less fuel), and counter-clockwise enriches it (more fuel). Make small adjustments and observe engine response. Consult your engine's service manual for specific adjustment procedures.

Note: Improper carburetor adjustments can lead to poor engine performance, increased fuel consumption, or engine damage. If you are unsure, consult a qualified technician.

5. Maintenance

Regular maintenance of your carburetor and fuel system is crucial for 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 inspect and replace the fuel filter according to your engine manufacturer's recommendations. A clogged fuel filter can restrict fuel flow to the carburetor.
- **Air Filter:** Ensure the air filter is clean and properly installed. A dirty air filter can restrict airflow, leading to a rich fuel mixture and poor engine performance.
- **Carburetor Cleaning:** If the engine experiences rough idling, stalling, or loss of power, 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 run the engine until it runs out of fuel to prevent gum and varnish buildup.

6. Troubleshooting

This section addresses common issues related to carburetor function. Always ensure basic engine components (spark plug, ignition, compression) are in good working order before troubleshooting the carburetor.

Symptom	Possible Cause	Solution
Engine will not start	No fuel to carburetor, clogged fuel filter, clogged carburetor jet, faulty fuel shut-off solenoid.	Check fuel level, replace fuel filter, clean carburetor, test/replace solenoid.
Engine runs rough or stalls	Dirty carburetor, incorrect idle adjustment, air leak at manifold gasket, stale fuel.	Clean carburetor, adjust idle, check/replace gaskets, use fresh fuel.
Engine lacks power	Clogged main jet, dirty air filter, incorrect fuel mixture.	Clean carburetor, replace air filter, adjust mixture screw (if present).
Fuel leaks from carburetor	Damaged float, stuck float needle, worn bowl gasket, loose drain screw.	Inspect/replace float and needle, replace bowl gasket, tighten drain screw.

If troubleshooting steps do not resolve the issue, professional assistance may be required.

7. Specifications

The following specifications are provided for reference:

- **Compatibility:** Kohler Command 16.5 OHV Engine
- **Manufacturer:** FTYHFEFH
- **Item Weight:** Approximately 1 pound
- **Product Dimensions:** Approximately 1 x 1 x 1 inches (Note: These dimensions appear to be placeholder values and may not reflect the actual physical size of the carburetor.)
- **UPC:** 779824709870

These specifications are based on the provided product information. Always verify compatibility with your specific engine model before installation.

8. Warranty and Support

For information regarding warranty coverage or technical support, please refer to the documentation provided with your purchase or contact the manufacturer, FTYHFEFH, directly. Keep your purchase receipt as proof of purchase.