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FTYHFEFH Carburetor Instruction Manual

For Kohler Courage SV600 SV590 SV591 15-20 Hp Troy Bilt Riding Mower

INTRODUCTION

This manual provides essential information for the installation, operation, maintenance, and troubleshooting of your new FTYHFEFH Carburetor. This carburetor is designed as a direct replacement for Kohler Courage SV600, SV590, and SV591 engines, commonly found in 15-20 Hp Troy Bilt Riding Mowers. Please read these instructions carefully before proceeding with installation or any maintenance.

PACKAGE CONTENTS

Your package should contain the following items, exactly as pictured:

- One (1) FTYHFEFH Carburetor assembly
- Associated gaskets for installation
- Fuel filter
- Wiring harness (if applicable)



Image: The complete FTYHFEFH Carburetor kit, including the carburetor unit, two gaskets, a fuel filter, and a wiring harness.

INSTALLATION GUIDE

Safety First: Always ensure the engine is cool, the spark plug wire is disconnected, and the fuel line is clamped or drained before beginning any work. Wear appropriate personal protective equipment.

1. **Preparation:** Locate the existing carburetor on your Kohler Courage SV600, SV590, or SV591 engine. Ensure you have all necessary tools, such as wrenches, screwdrivers, and pliers.
2. **Disconnect Components:** Carefully disconnect the fuel line, throttle linkage, choke linkage, and any electrical connections from the old carburetor. Be mindful of fuel spills.
3. **Remove Old Carburetor:** Unbolt the old carburetor from the engine manifold. Note the orientation of any gaskets.
4. **Install New Gaskets:** Place the new gaskets provided with your FTYHFEFH carburetor in the correct positions

between the engine, insulator (if present), and the new carburetor.

5. **Mount New Carburetor:** Carefully position the new FTYHFEFH carburetor and secure it with the bolts. Ensure a snug fit without overtightening.
6. **Reconnect Components:** Reconnect the fuel line, throttle linkage, choke linkage, and electrical connections to the new carburetor. Ensure all connections are secure and free of leaks. The provided wiring harness should connect directly to the corresponding terminals.
7. **Install New Fuel Filter:** If replacing the fuel filter, ensure the fuel flow direction is correct.
8. **Final Checks:** Reconnect the spark plug wire. Check all connections for tightness and ensure no tools or debris are left near the engine.

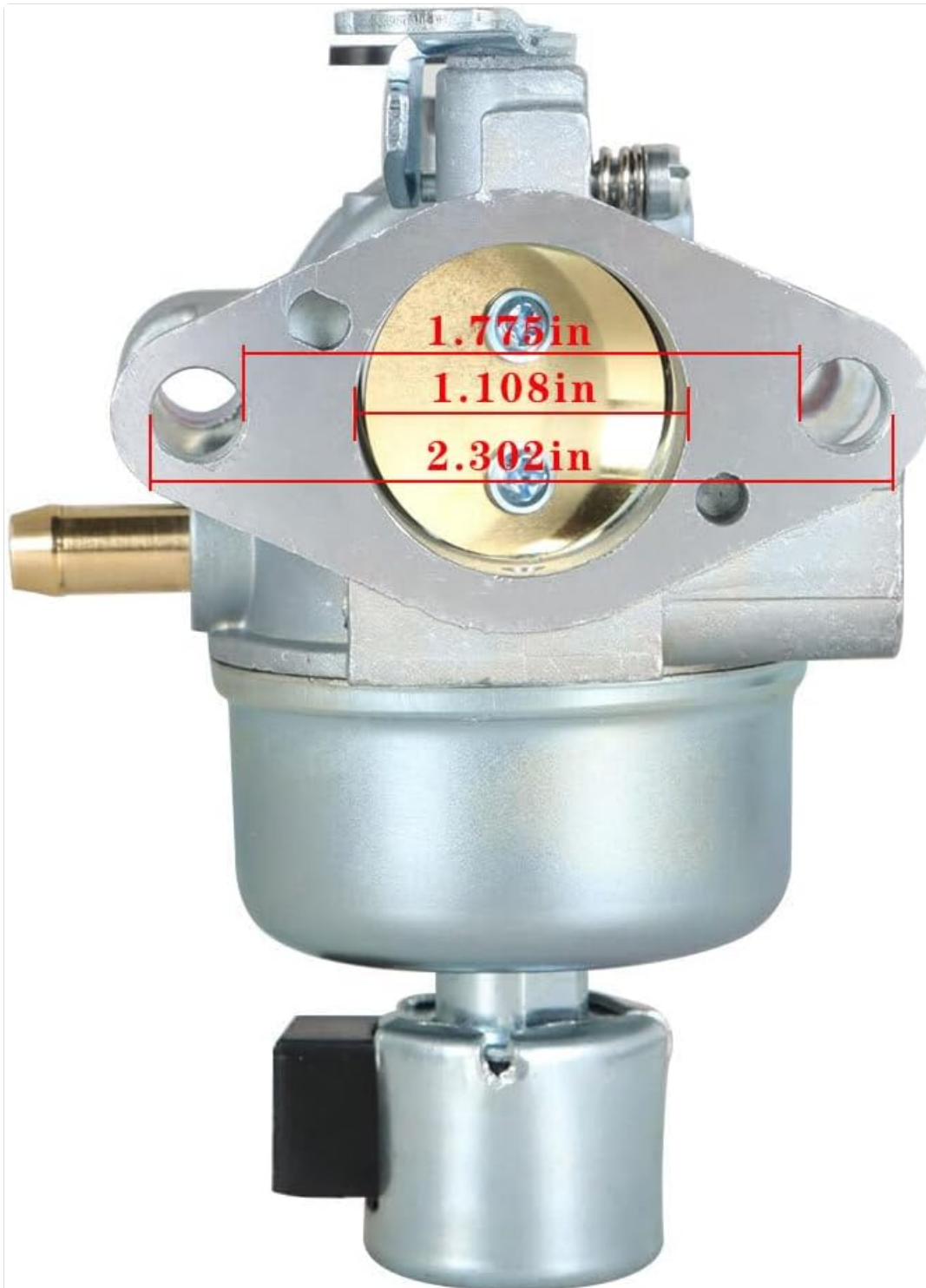


Image: Front view of the carburetor showing key dimensions for fitment verification. This ensures the carburetor matches factory specifications.



Image: Close-up of the electrical wiring harness, showing the connectors for proper attachment during installation.

OPERATING PRINCIPLES

The carburetor is a crucial component of your engine's fuel system. Its primary function is to mix air and fuel in the correct ratio for combustion. It atomizes fuel into a fine mist and mixes it with air, then delivers this mixture to the engine's cylinders. The throttle and choke linkages control the amount of air and fuel mixture entering the engine, allowing for varying engine speeds and cold starting. Once installed correctly, the FTYHFEFH carburetor will ensure optimal fuel delivery for efficient engine operation.

MAINTENANCE

Proper maintenance extends the life of your carburetor and ensures optimal engine performance.

- **Fuel Quality:** Always use fresh, clean fuel. Stale or contaminated fuel can clog carburetor passages.
- **Fuel Filter:** Regularly inspect and replace the fuel filter (if applicable) to prevent debris from reaching the carburetor.
- **Air Filter:** Ensure the engine's air filter is clean and properly installed. A dirty air filter can cause a rich fuel mixture.
- **Storage:** If storing the mower for an extended period, drain the fuel system or use a fuel stabilizer to prevent gumming and varnish buildup in the carburetor.
- **Cleaning:** For advanced users, periodic cleaning of the carburetor with a specialized carburetor cleaner may be necessary if performance issues arise. Consult a professional if unsure.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Engine won't start	No fuel reaching carburetor, clogged fuel filter, incorrect choke setting, loose electrical connection.	Check fuel level, replace fuel filter, ensure choke is set correctly for starting, verify all electrical connections are secure.

Problem	Possible Cause	Solution
Engine runs rough/stalls	Improper fuel-air mixture, vacuum leak, dirty air filter, fuel contamination.	Check for air leaks around carburetor gaskets, clean/replace air filter, use fresh fuel.
Fuel leaks	Loose fuel line connection, damaged gasket, float bowl issue.	Tighten fuel line clamps, inspect and replace gaskets if damaged, consult a professional for internal carburetor issues.

PRODUCT SPECIFICATIONS

Attribute	Value
Brand	FTYHFEFH
Manufacturer	FTYHFEFH
Model	FTYHFEFH
Item Weight	1 pounds
Product Dimensions	1 x 1 x 1 inches
Country of Origin	China
Manufacturer Part Number	1
UPC	779603348122

WARRANTY AND SUPPORT

This FTYHFEFH carburetor is manufactured to high standards, ensuring durability and performance. For any questions regarding installation, troubleshooting, or product support, please contact the seller or manufacturer directly through your purchase platform. Please refer to your purchase documentation for specific warranty details, if applicable.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question