

FTYHFEFH 33970

FTYHFEFH Carburetor Instruction Manual for Earthquake 33970 Tiller 212cc

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your FTYHFEFH replacement carburetor. This carburetor is designed for use with Earthquake 33970 Tiller 212cc engines. Please read this manual thoroughly before installation to ensure correct procedure and optimal performance.

SAFETY INFORMATION

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

- Ensure the engine is cool and disconnected from its power source (e.g., spark plug wire removed) before beginning any work.
- Work in a well-ventilated area.
- Wear appropriate personal protective equipment, including gloves and eye protection.
- Keep flammable materials away from the work area.
- If unsure about any procedure, consult a qualified technician.

PACKAGE CONTENTS

Verify that all components are present and undamaged before proceeding with installation.

- 1x FTYHFEFH Carburetor
- Gaskets (various sizes)
- Fuel Line
- Choke Lever Assembly



Image showing the FTYHFEFH carburetor, three gaskets, a black fuel line, and a black choke lever assembly. The carburetor features a metallic body with a golden-colored fuel bowl at the bottom.

INSTALLATION INSTRUCTIONS

This carburetor is a direct replacement for the original unit on Earthquake 33970 Tiller 212cc engines. Follow these steps carefully for proper installation.

1. **Preparation:** Disconnect the spark plug wire. Drain any fuel from the fuel tank and carburetor bowl. Remove the air filter housing and air filter.
2. **Remove Old Carburetor:** Disconnect the fuel line, throttle linkage, and choke linkage from the old carburetor. Unscrew the mounting bolts that secure the carburetor to the engine intake manifold. Carefully remove the old carburetor and any old gaskets.
3. **Clean Mounting Surface:** Thoroughly clean the engine intake manifold surface where the new carburetor will mount. Ensure no old gasket material remains.
4. **Install New Gaskets:** Place the new gaskets in the correct order between the engine, insulator (if present), and the new carburetor. Refer to your tiller's service manual for the exact gasket configuration.
5. **Mount New Carburetor:** Position the new FTYHFEFH carburetor onto the mounting studs/bolts. Secure it with the mounting nuts/bolts, tightening them evenly to prevent air leaks. Do not overtighten.

6. **Connect Linkages:** Reconnect the throttle linkage and choke linkage to the new carburetor. Ensure they operate smoothly without binding.
7. **Connect Fuel Line:** Attach the new fuel line (or the existing one if in good condition) to the carburetor's fuel inlet. Secure with a clamp if necessary.
8. **Reassemble:** Reinstall the air filter and air filter housing. Reconnect the spark plug wire.
9. **Test:** Refill the fuel tank. Start the engine and check for proper operation, including smooth idling and acceleration. Inspect for any fuel leaks.



A side view of the FTYHFEFH carburetor, highlighting the fuel inlet and adjustment screws. The golden fuel bowl is visible at the bottom.

MAINTENANCE

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

- **Fuel Quality:** Always use fresh, clean fuel. Stale or contaminated fuel is a primary cause of carburetor issues.

- **Fuel Filter:** Regularly inspect and replace the fuel filter to prevent debris from entering the carburetor.
- **Air Filter:** Keep the air filter clean to ensure proper air-fuel mixture. A dirty air filter can cause the engine to run rich.
- **Storage:** If storing the tiller for an extended period, drain the fuel system or use a fuel stabilizer to prevent gum and varnish buildup in the carburetor.
- **Cleaning:** If performance issues arise, the carburetor may require cleaning. This typically involves disassembling, cleaning with carburetor cleaner, and reassembling with new gaskets. This procedure should only be performed by individuals with mechanical experience.

TROUBLESHOOTING COMMON ISSUES

This section addresses common problems that may occur with your carburetor. For complex issues, consult a professional.

Symptom	Possible Cause	Solution
Engine won't start	No fuel, clogged fuel line, clogged jet, incorrect choke setting	Check fuel level, inspect fuel line/filter, clean carburetor jets, adjust choke
Engine runs rough/stalls	Dirty air filter, clogged jet, vacuum leak, incorrect idle adjustment	Clean/replace air filter, clean carburetor, check for loose mounting bolts/gaskets, adjust idle screw
Engine lacks power	Clogged main jet, dirty air filter, improper fuel mixture	Clean main jet, clean/replace air filter, ensure proper fuel type
Fuel leaks	Loose fuel line, damaged gasket, stuck float needle	Tighten fuel line, replace gaskets, clean float needle/seat



An overhead view of the FTYHFEFH carburetor, clearly showing the included gaskets and fuel line laid out beside it. This image helps identify all components.

PRODUCT SPECIFICATIONS

- **Brand:** FTYHFEFH
- **Application:** Earthquake 33970 Tiller 212cc
- **Part Type:** Carburetor
- **Material:** Durable Metal Construction
- **Item Weight:** Approximately 1 pound
- **Product Dimensions:** Approximately 1 x 1 x 1 inches (packaging dimensions)
- **UPC:** 779603371915

WARRANTY AND SUPPORT

This product is manufactured to OEM standards for optimal performance and durability. For specific warranty information or technical support, please refer to the documentation provided with your purchase or contact the seller directly.

Note: *Improper installation or use may void any applicable warranty.*

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

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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