

Ferilter 753-06423

Ferilter

Outdoor Power Equipment Parts

Ferilter Carburetor Instruction Manual

For Hyper Tough Weed Eater H2500, H2510, H2520, H25B and Leaf Blower (Part Number 753-06423)

1. Introduction

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of the Ferilter Carburetor, part number 753-06423. This carburetor is designed as a replacement part for various Hyper Tough outdoor power equipment models, including:

- Hyper Tough H2500 Weed Eater (Models: 41ADZ01C735, 41BDZ01C735, 41CDZ01C735)
- Hyper Tough H2510 Weed Eater (Model: 41ADZ02C735)
- Hyper Tough H2520 Weed Eater (Model: 41ADZ04C735)
- Hyper Tough H25B Leaf Blower (Models: 41AS79MY735, 41AR79MY735)

Please read this manual thoroughly before attempting any installation or maintenance to ensure proper function and safety.

2. Package Contents

Verify that all components listed below are present in your package:

- 1 x Carburetor (753-06423)
- 1 x Gasket
- 1 x O-ring
- 1 x Primer Bulb
- 1 x Fuel Filter
- 1 x Carburetor Adjustment Tool
- 2 x Fuel Lines
- 1 x Spark Plug



Image 2.1: Overview of the complete Ferilter Carburetor replacement kit, including the carburetor unit, gaskets, primer bulb, fuel filter, fuel lines, spark plug, and adjustment tool.

3. Setup and Installation

Safety First: Always ensure the engine is off and cool before beginning any installation. Disconnect the spark plug wire to prevent accidental starting. Wear appropriate safety gear, including gloves and eye protection.

1. **Prepare the Work Area:** Work in a well-ventilated area. Have basic tools ready, such as screwdrivers, pliers, and wrenches.
2. **Remove Old Components:**
 - Carefully disconnect the fuel lines from the old carburetor. Be prepared for fuel spillage and have rags ready.
 - Remove the air filter housing and air filter.
 - Unbolt the old carburetor from the engine manifold. Note the orientation of any gaskets.
 - Remove the old spark plug, fuel filter, and primer bulb if they are also being replaced.

3. Install New Components:

- Install the new fuel filter into the fuel tank, ensuring the fuel lines are routed correctly.
- Attach the new primer bulb to its housing.
- Place the new gasket(s) between the engine manifold and the new carburetor, ensuring a proper seal.
- Mount the new carburetor (753-06423) onto the engine manifold and secure it with the original bolts. Do not overtighten.
- Connect the new fuel lines to the carburetor, ensuring they are securely attached and not kinked. Refer to your equipment's specific fuel line routing diagram if available.
- Install the new spark plug, tightening it to the manufacturer's specifications.
- Reinstall the air filter and air filter housing.

4. Initial Fueling and Priming:

- Fill the fuel tank with the appropriate fuel mixture (for 2-cycle engines).
- Press the primer bulb repeatedly until fuel is visible and flows freely through the fuel lines, and the bulb is firm.

If you are unsure about any step, it is recommended to consult a qualified service technician or refer to your equipment's original service manual.

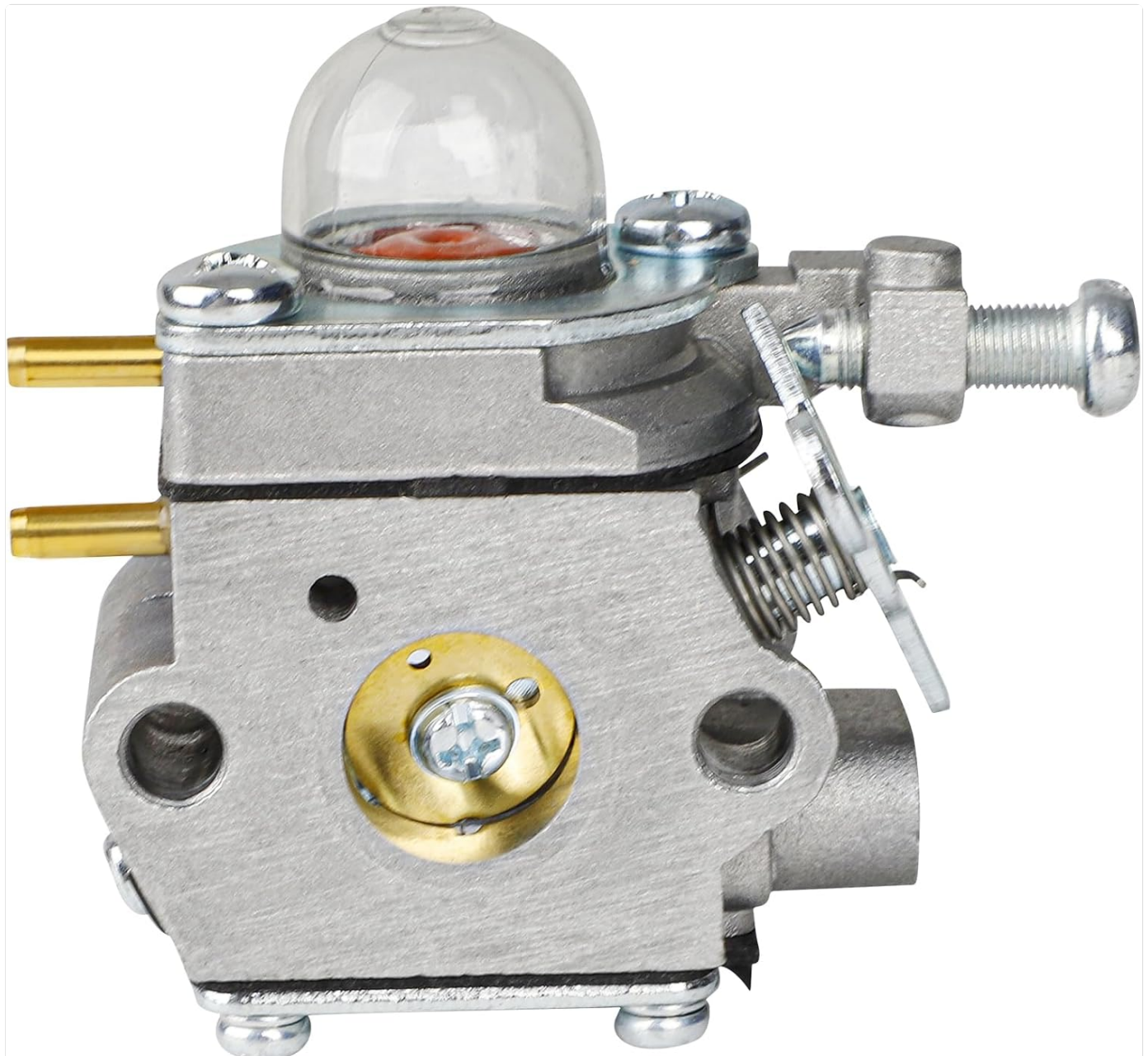


Image 3.1: Side view of the Ferilter Carburetor, showing fuel line connections and general structure.

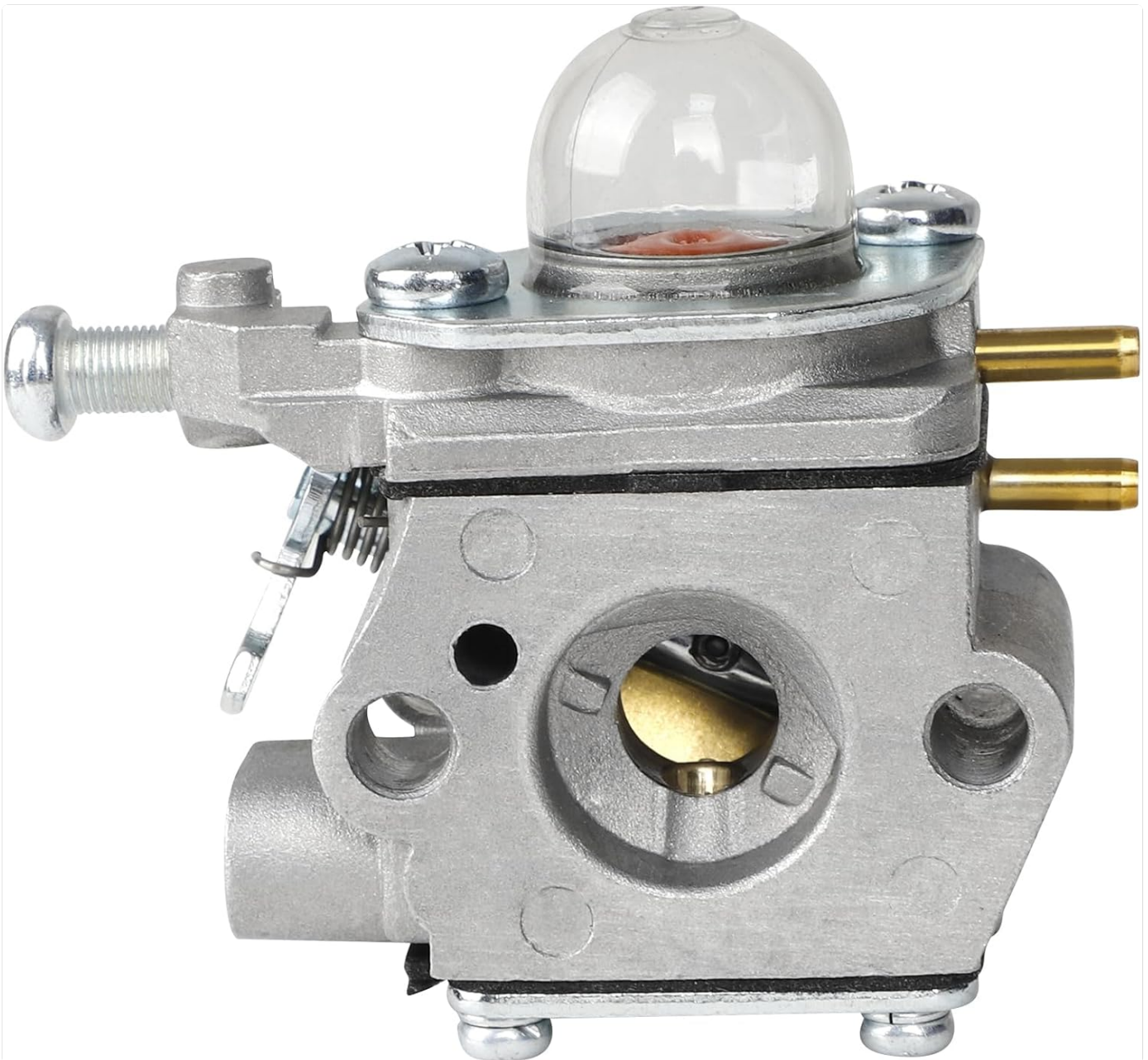


Image 3.2: Another side view of the Ferilter Carburetor, highlighting the throttle linkage and choke mechanism.

4. Operating Instructions

After successful installation, the carburetor is ready for operation. The following steps outline general starting procedures and basic adjustments. Always refer to your equipment's specific operating manual for detailed instructions.

4.1 STARTING THE ENGINE

1. **Choke:** Move the choke lever to the 'FULL CHOKE' position (usually indicated by a closed butterfly valve).
2. **Primer Bulb:** Press the primer bulb 5-10 times until it feels firm and fuel is visible.
3. **Start:** Pull the starter rope firmly until the engine attempts to start (usually a few pulls).
4. **Half Choke:** Once the engine 'pops' or attempts to start, move the choke lever to the 'HALF CHOKE' position.
5. **Run:** Pull the starter rope again until the engine starts and runs.
6. **No Choke:** As the engine warms up (typically 10-30 seconds), move the choke lever to the 'RUN' or 'NO CHOKE' position.

position. The engine should now run smoothly.

4.2 CARBURETOR ADJUSTMENTS

The Ferfilter Carburetor is typically pre-set for optimal performance. However, minor adjustments may be necessary for specific environmental conditions or if the engine is not running smoothly. Use the provided adjustment tool for these procedures.

Warning: Improper carburetor adjustments can damage the engine. If you are not confident, seek professional assistance.



Image 4.1: Ferfilter Carburetor showing the location of the High (H) and Low (L) speed adjustment screws, typically found on the side of the carburetor body.

- **Idle Speed Screw:** This screw adjusts the engine's idle RPM. Turn clockwise to increase idle speed, counter-

clockwise to decrease. Adjust until the engine idles smoothly without stalling.

- **Low Speed (L) Adjustment Screw:** Controls the fuel/air mixture at idle and low RPMs. Adjust in small increments (1/8 turn at a time). Turn clockwise for a leaner mixture, counter-clockwise for a richer mixture. Adjust for smooth acceleration from idle without bogging.
- **High Speed (H) Adjustment Screw:** Controls the fuel/air mixture at full throttle. Adjust in small increments. Turn clockwise for a leaner mixture, counter-clockwise for a richer mixture. Adjust for maximum power without sputtering or overheating.

Always make adjustments with the engine running and warmed up. Start with the factory recommended settings (usually 1 to 1.5 turns out from lightly seated for L and H screws) and fine-tune from there.

5. Maintenance

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

5.1 CLEANING THE CARBURETOR

- **Exterior Cleaning:** Keep the exterior of the carburetor clean from dirt, dust, and debris. Use a brush or compressed air.
- **Internal Cleaning:** If performance issues arise due to fuel contamination, the carburetor may need internal cleaning. This involves disassembling the carburetor and cleaning jets and passages with carburetor cleaner. This is an advanced procedure and should only be attempted by experienced users or professionals.

5.2 FUEL FILTER REPLACEMENT

The fuel filter prevents contaminants from reaching the carburetor. Replace the fuel filter annually or more frequently if operating in dusty conditions or using old fuel.

- Drain the fuel tank.
- Carefully pull the fuel line with the filter out of the fuel tank opening.
- Remove the old filter and install the new one, ensuring a snug fit.
- Reinsert the fuel line and filter into the tank.

5.3 SPARK PLUG INSPECTION AND REPLACEMENT

A clean, properly gapped spark plug is crucial for efficient combustion.

- Inspect the spark plug every 25 hours of operation or annually.
- Check for carbon buildup, electrode wear, or damage.
- Replace the spark plug if it is fouled, worn, or damaged. Ensure the new spark plug is gapped correctly according to your equipment's specifications.

5.4 PRIMER BULB CHECK

Periodically inspect the primer bulb for cracks or hardening. A damaged primer bulb can lead to starting difficulties. Replace if any damage is observed.

6. Troubleshooting

This section addresses common issues that may arise with your carburetor and provides potential solutions.

Problem	Possible Cause	Solution
Engine will not start	No fuel reaching carburetor	Check fuel tank level, fuel lines for kinks, and fuel filter for blockage. Prime the carburetor.
Engine will not start	Spark plug issue	Inspect spark plug; clean or replace if necessary. Ensure spark plug wire is connected.
Engine runs poorly, stalls at idle	Incorrect idle speed or low-speed mixture	Adjust idle speed screw or Low (L) speed adjustment screw.
Engine lacks power at full throttle	Incorrect high-speed mixture	Adjust High (H) speed adjustment screw.
Fuel leaks from carburetor	Damaged gasket or O-ring	Inspect and replace gaskets/O-rings. Ensure carburetor is properly seated and tightened.
Primer bulb not working	Cracked or hardened primer bulb	Replace the primer bulb.

For persistent issues, it is recommended to consult a professional service technician.

7. Specifications

Key specifications for the Ferilter Carburetor (753-06423):

- **Manufacturer:** FERILTER
- **Brand:** Ferilter
- **Model (Manufacturer Part Number):** 753-06423
- **Compatible Equipment Models:** Hyper Tough H2500, H2510, H2520 Weed Eaters; Hyper Tough H25B Leaf Blowers
- **Item Weight:** 6.7 ounces
- **Product Dimensions:** 7.3 x 4.9 x 1.8 inches

8. Warranty and Support

Ferilter products are manufactured to high-quality standards. For specific warranty information regarding your Ferilter Carburetor (753-06423), please refer to the warranty documentation included with your purchase or visit the official Ferilter website.

For technical support, troubleshooting assistance beyond this manual, or to inquire about replacement parts, please contact Ferilter customer service through their official channels. Always provide your product model number (753-06423) and the specific model of your Hyper Tough equipment when seeking support.

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