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## HQparts 335 435 436 440 441

# Instruction Manual

## HQPARTS CARBURETOR FOR McCULLOCH MAC CAT & CRAFTSMAN CHAINSAWS

Brand: HQparts | Model: 335, 435, 436, 440, 441 (Compatible)

### 1. Introduction and Compatibility

This manual provides essential information for the installation and maintenance of your new HQparts Carburetor kit. This carburetor is designed as a replacement part for specific chainsaw models to restore optimal engine performance.

#### Compatibility:

- Fits for McCulloch Mac Cat 335, 435, 436, 440, 441 chainsaws.
- Fits for Craftsman 2.2 cubic inch 16-inch bar chainsaw.
- Fits for Craftsman 2.4 cubic inch 40cc chainsaw (Zama W20 equivalent).

#### Package Contents:

- 1 x Carburetor
- 2 x Gaskets
- 1 x Fuel Filter
- 1 x Primer Bulb
- 1 x Spark Plug
- 2 x 1.5 feet Fuel Line
- 2 x Air Filters

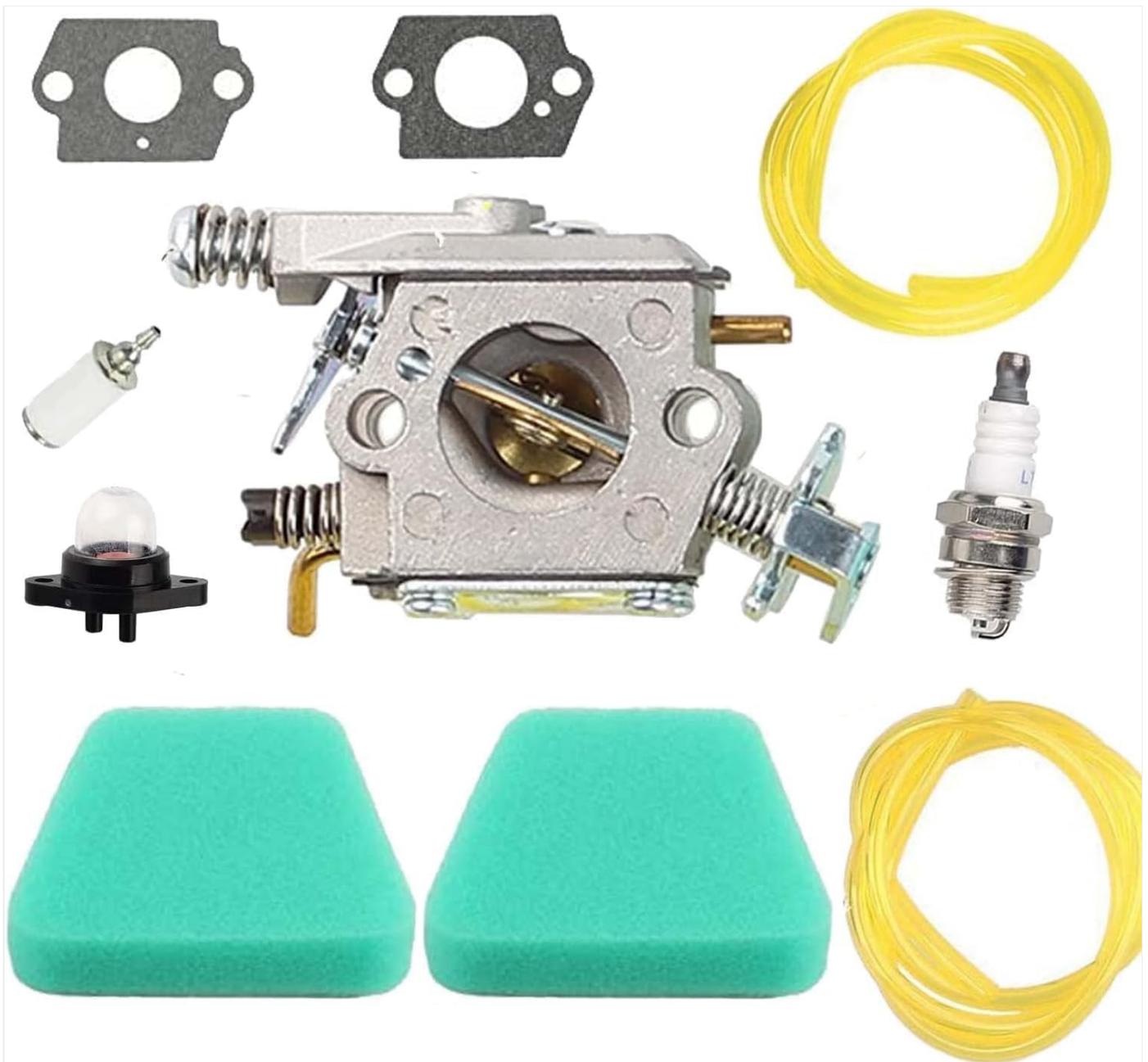


Figure 1.1: Overview of the HQparts Carburetor replacement kit, showing all included components for a comprehensive repair or upgrade.

## 2. Safety Information

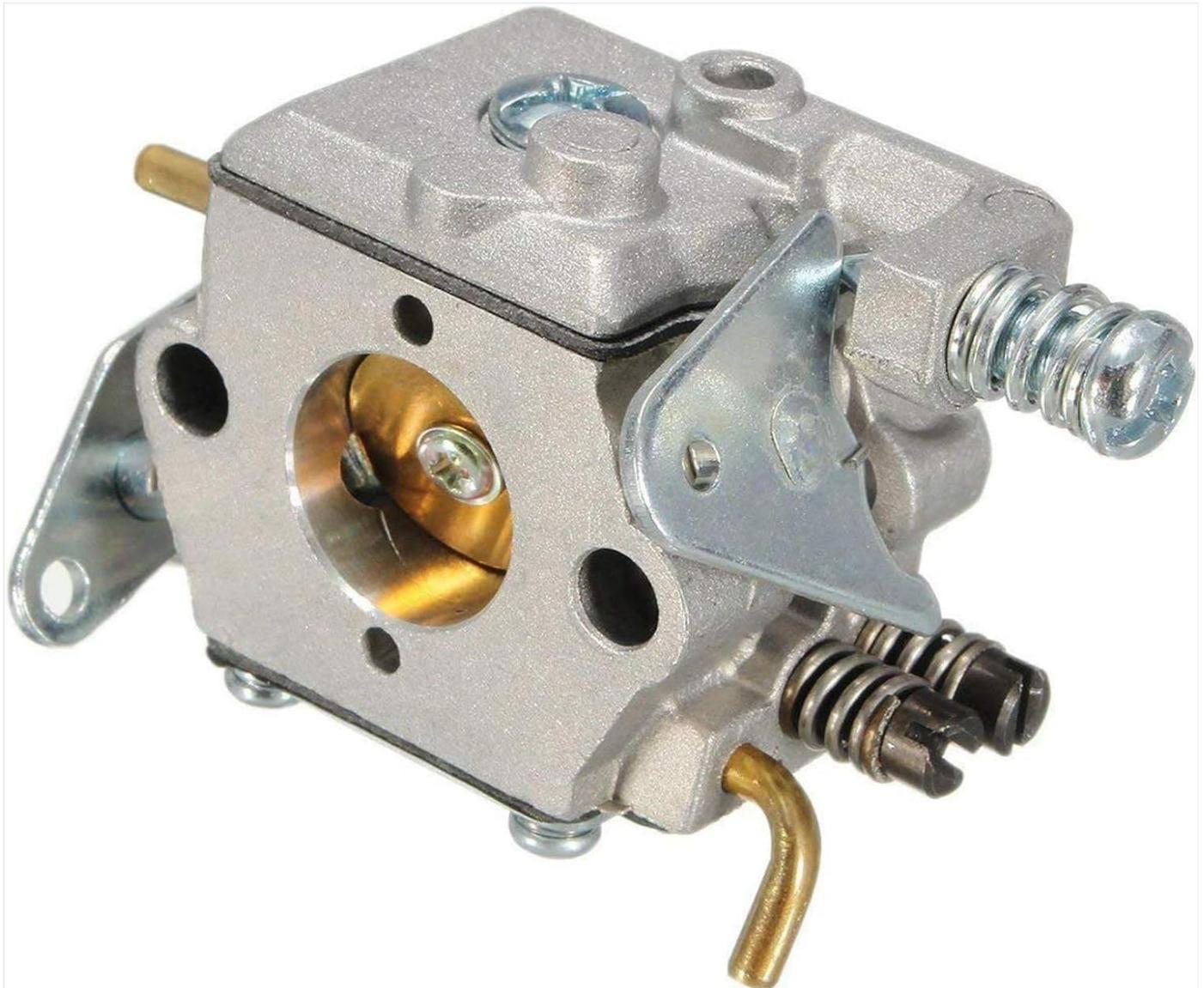
Always prioritize safety when working with power tools and fuel systems. Failure to follow safety instructions can result in serious injury or property damage.

- **Disconnect Spark Plug:** Before performing any maintenance or installation, always disconnect the spark plug wire to prevent accidental engine start-up.
- **Fuel Handling:** Work in a well-ventilated area. Avoid open flames or sparks. Use appropriate containers for fuel.
- **Personal Protective Equipment (PPE):** Wear safety glasses, gloves, and appropriate clothing to protect against fuel, oil, and sharp objects.
- **Engine Heat:** Allow the engine to cool completely before working on it to avoid burns.
- **Professional Assistance:** If you are unsure about any step, consult a qualified technician or refer to your chainsaw's original service manual.

## 3. Setup and Installation

Installing a new carburetor requires careful attention to detail. It is recommended to consult your chainsaw's specific service manual for detailed disassembly and reassembly instructions. The following steps provide a general overview.

1. **Preparation:** Ensure the chainsaw is off, cool, and the spark plug wire is disconnected. Drain any fuel from the tank.
2. **Access Carburetor:** Remove the air filter cover, air filter, and any shrouds or covers obstructing access to the carburetor.
3. **Disconnect Components:** Carefully disconnect the fuel lines, throttle linkage, and choke linkage from the old carburetor. Note their positions for reassembly.
4. **Remove Old Carburetor:** Unbolt and remove the old carburetor and its gaskets.
5. **Install New Gaskets:** Place the new gaskets in their correct positions between the engine, insulator, and new carburetor. Ensure they are seated properly to prevent air leaks.
6. **Install New Carburetor:** Mount the new HQparts carburetor, ensuring it is aligned correctly. Secure it with the bolts, tightening them evenly.
7. **Reconnect Components:** Reattach the fuel lines, throttle linkage, and choke linkage to the new carburetor. Replace the fuel filter and primer bulb if necessary.
8. **Install Air Filters:** Replace the old air filters with the new ones provided in the kit.
9. **Final Checks:** Double-check all connections, ensuring fuel lines are secure and not kinked. Reconnect the spark plug wire.



**Figure 3.1:** Detailed view of the carburetor, highlighting key connection points for fuel lines and linkages during installation.

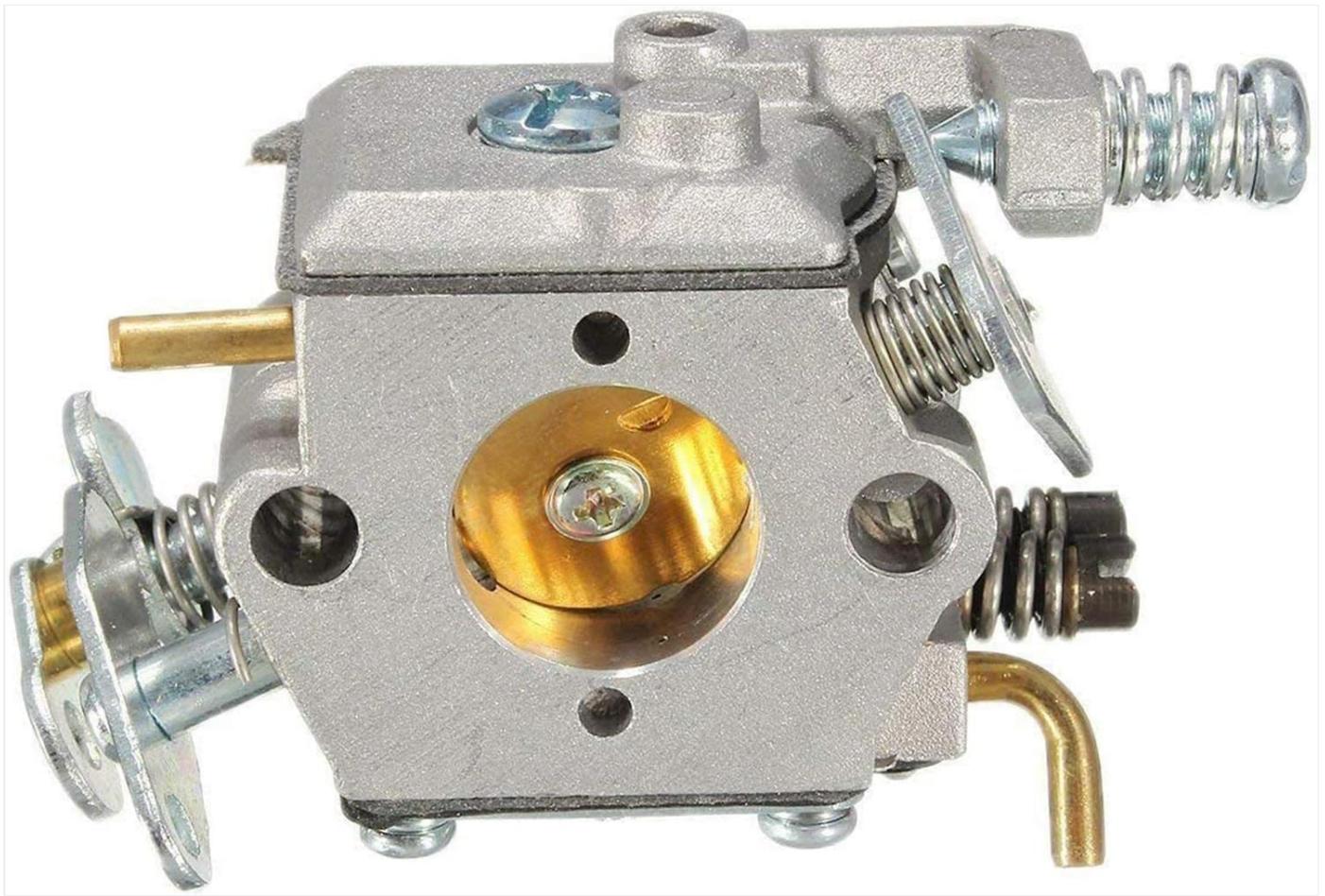


Figure 3.2: Another angle of the carburetor, illustrating the throttle and choke components that need to be connected.

## 4. Operating Considerations

After installation, proper starting procedures and potential adjustments are crucial for optimal performance.

- **Fueling:** Use fresh, correctly mixed fuel (gasoline and 2-stroke oil, according to your chainsaw manufacturer's specifications).
- **Priming:** Press the primer bulb several times until fuel is visible in the return line.
- **Starting:** Follow your chainsaw's specific starting procedure (e.g., choke position, pull cord technique).
- **Carburetor Adjustment:** New carburetors are typically pre-set. However, minor adjustments to the idle speed (T screw) and high/low-speed mixture screws (H/L screws) may be necessary for optimal performance at your altitude and temperature. Refer to your chainsaw's service manual for specific adjustment procedures and recommended settings. *Incorrect adjustments can damage the engine.*

## 5. Maintenance

Regular maintenance ensures the longevity and reliable operation of your carburetor and chainsaw.

- **Air Filter:** Regularly inspect and clean or replace the air filters. Dirty air filters restrict airflow and can cause poor engine performance.
- **Fuel Filter:** Replace the fuel filter periodically (e.g., annually or as recommended by your chainsaw manufacturer) to prevent contaminants from reaching the carburetor.
- **Fuel Quality:** Always use fresh, clean fuel. Stale fuel or fuel with water contamination can clog the carburetor and cause starting or running issues.
- **Storage:** Before long-term storage, drain the fuel tank and run the engine until it stops to clear the carburetor of fuel, or use a fuel stabilizer.

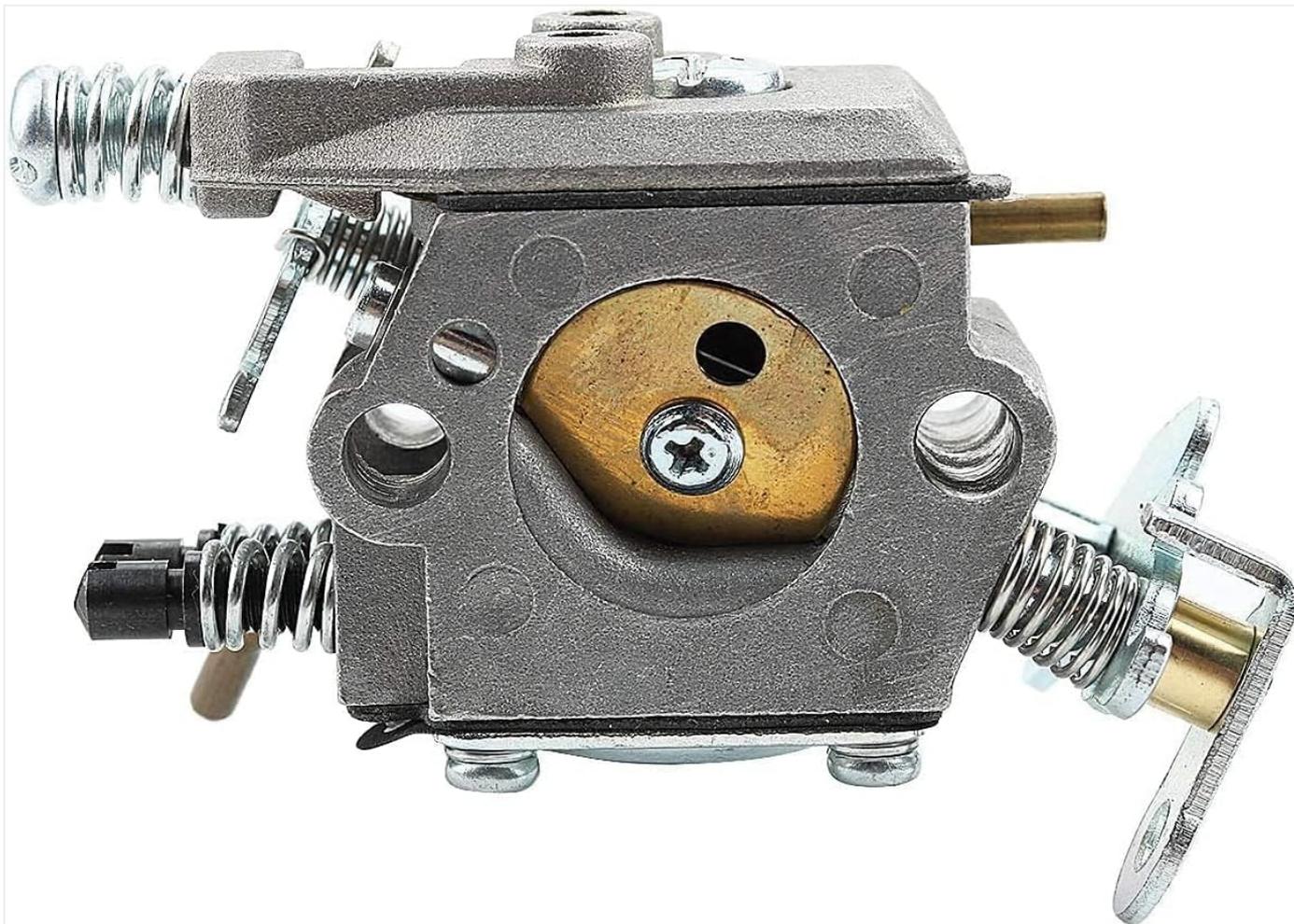


Figure 5.1: Underside of the carburetor, illustrating components that can be affected by fuel quality and require occasional inspection.

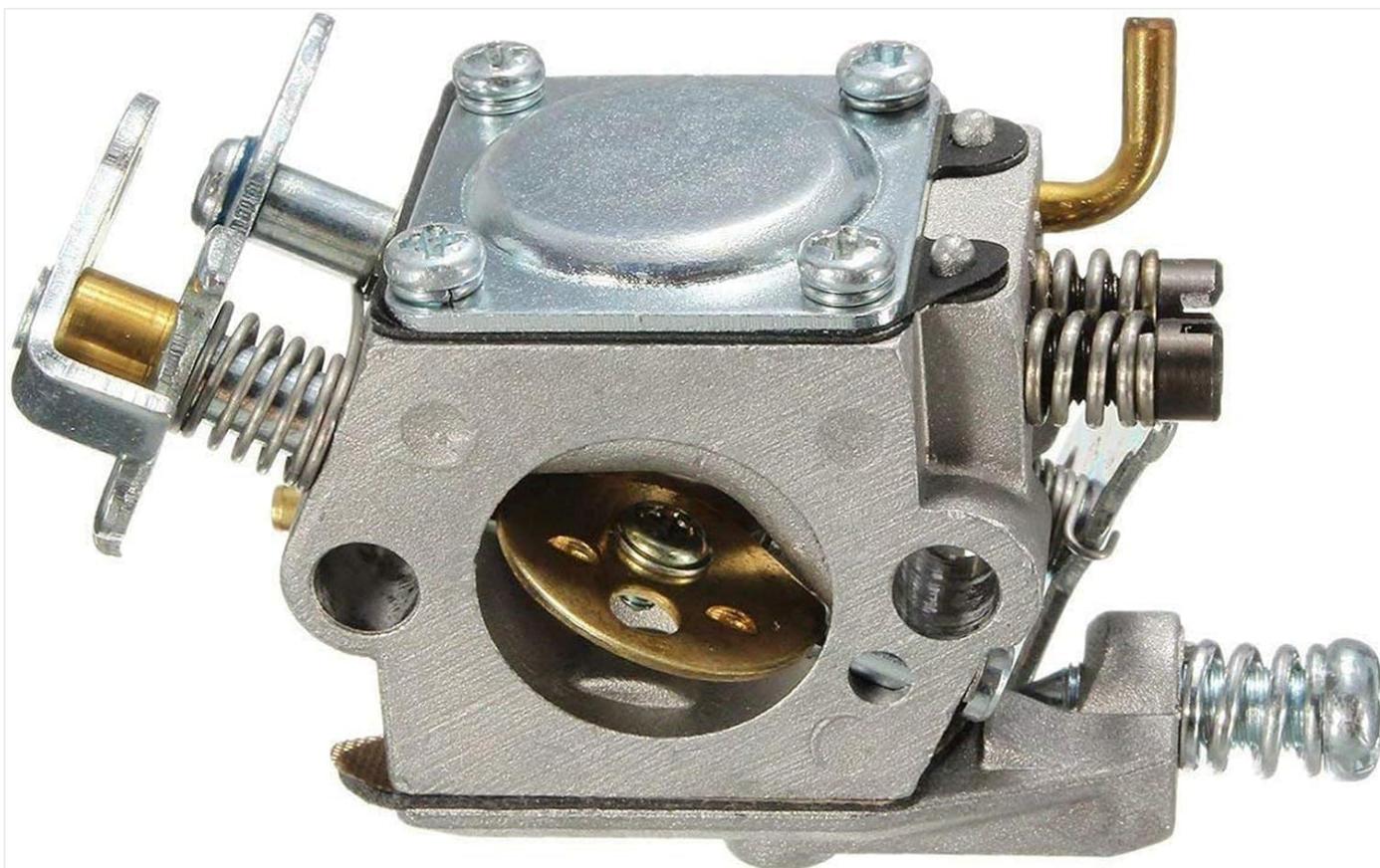


Figure 5.2: Top-down view of the carburetor, indicating areas where fuel lines connect and where the primer bulb might draw fuel.

## 6. Troubleshooting

If your chainsaw experiences issues after carburetor installation, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Engine won't start	No fuel, clogged fuel filter, incorrect choke setting, spark plug issue, air leak.	Check fuel level and quality. Replace fuel filter. Ensure choke is set correctly. Inspect/replace spark plug. Check for proper gasket seating.
Engine runs poorly/stalls	Incorrect carburetor adjustment, dirty air filter, fuel contamination, air leak.	Adjust carburetor (H/L screws, idle). Clean/replace air filter. Use fresh fuel. Check gaskets for leaks.
Fuel leaks	Loose fuel lines, damaged primer bulb, improperly seated gaskets.	Tighten fuel line clamps. Replace primer bulb. Re-seat or replace gaskets.

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

## 7. Specifications

Feature	Detail
Manufacturer	HQparts
Part Number	2.2cu inch 16" (referring to compatible chainsaw size)
Product Dimensions	3 x 2 x 1 inches
Item Model Number	335 435 436 440 441 (compatible models)
Color	Sliver
Power Source	Gasoline, Gas Powered
ASIN	B0CPXWCV1C
Date First Available	December 11, 2023

## 8. Warranty and Support

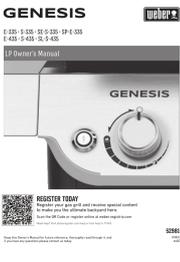
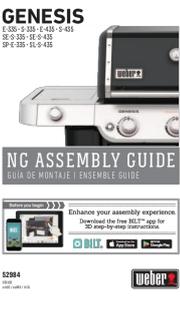
For specific warranty information or technical support regarding your HQparts Carburetor, please refer to the seller's documentation or contact the seller directly through the platform where the purchase was made. Keep your proof of purchase for any warranty claims.

This product is intended as a replacement part. For issues related to the chainsaw itself, please consult the original chainsaw manufacturer's manual or authorized service center.



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	<p><a href="#">Weber Genesis II Gas Grill Assembly Guide</a></p> <p>Comprehensive assembly guide for Weber Genesis II E-335, S-335, SE-335, CSE-335, CSS-335, E-435, S-435 gas grills. Includes safety precautions, tools required, and step-by-step visual instructions accessible via Weber Grills (iOS) and BILT (Android) apps.</p>
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