**Hipa M2510**

# Hipa M2510 Carburetor Instruction Manual

For Murray, Remington, Bolens, MTD, Troy-Bilt, Cub Cadet, and Yard Man String Trimmers & Brushcutters

## 1. Introduction

This manual provides instructions for the installation, operation, and maintenance of your Hipa M2510 Carburetor. This carburetor is designed as a replacement for Walbro WT-973 and is compatible with a wide range of outdoor power equipment.

### 1.1. Compatibility

The Hipa M2510 Carburetor is compatible with the following models:

- **Murray:** M2500, M2510, M2550, H2500 String Trimmers
- **Remington:** RM2510, RM2520, RM2560, RM2570, RM2750 String Trimmers; RM4625 Tiller; RM2599 Pole Saw
- **Bolens:** BL110, BL160 Trimmers; BL425 Tiller
- **MTD/Troy-Bilt:** 753-06190, 751-14840, 951-14840; TB21EC, TB22, TB22EC, TB32EC, TB42BC, TB80EC, TB2040XP
- **Cub Cadet:** BC210, BC280, CC212, CS202, SS270
- **Craftsman:** 316711023, 316711390, 316711020, 316711021, 316711022, 316711370, 316711470, 316711471, 31699010, 316990100, 316990110 Trimmers
- **Yard Man:** Y25, Y60, Y2500, Y2550EC, Y2700EC, Y2900EC, YM21CS, YM71SS Trimmers


Image: The Hipa carburetor kit, highlighting its compatibility with multiple brands and models.

## 2. Package Contents

Your Hipa M2510 Carburetor kit includes the following components:

- 1 x Hipa Carburetor (replaces 753-06190)
- 1 x Air Filter
- 1 x O-ring Seal
- 1 x Fuel Filter
- 2 x 2-feet Fuel Lines
- 1 x Spark Plug
- 1 x Primer Bulb
- 1 x Gasket


Image: A visual representation of all components included in the Hipa carburetor kit, laid out next to the product packaging.

## 3. Specifications

Key dimensions and features of the Hipa M2510 Carburetor:

| Feature | Measurement |
|---|---|
| Mounting Hole Distance (Center to Center) | 31 mm |
| Throttle Bore Diameter | 12.7 mm |
| Choke Bore Diameter | 16 mm |
| Venturi Diameter | 9 mm |

| Feature | Measurement |
| --- | --- |
| Fuel Inlet Line Diameter | 3 mm |
| Fuel Return Line Diameter | 3 mm |
| Material Construction | Anodized aluminum body, brass components, composite rubber diaphragms |
| Fuel Type | Gasoline |

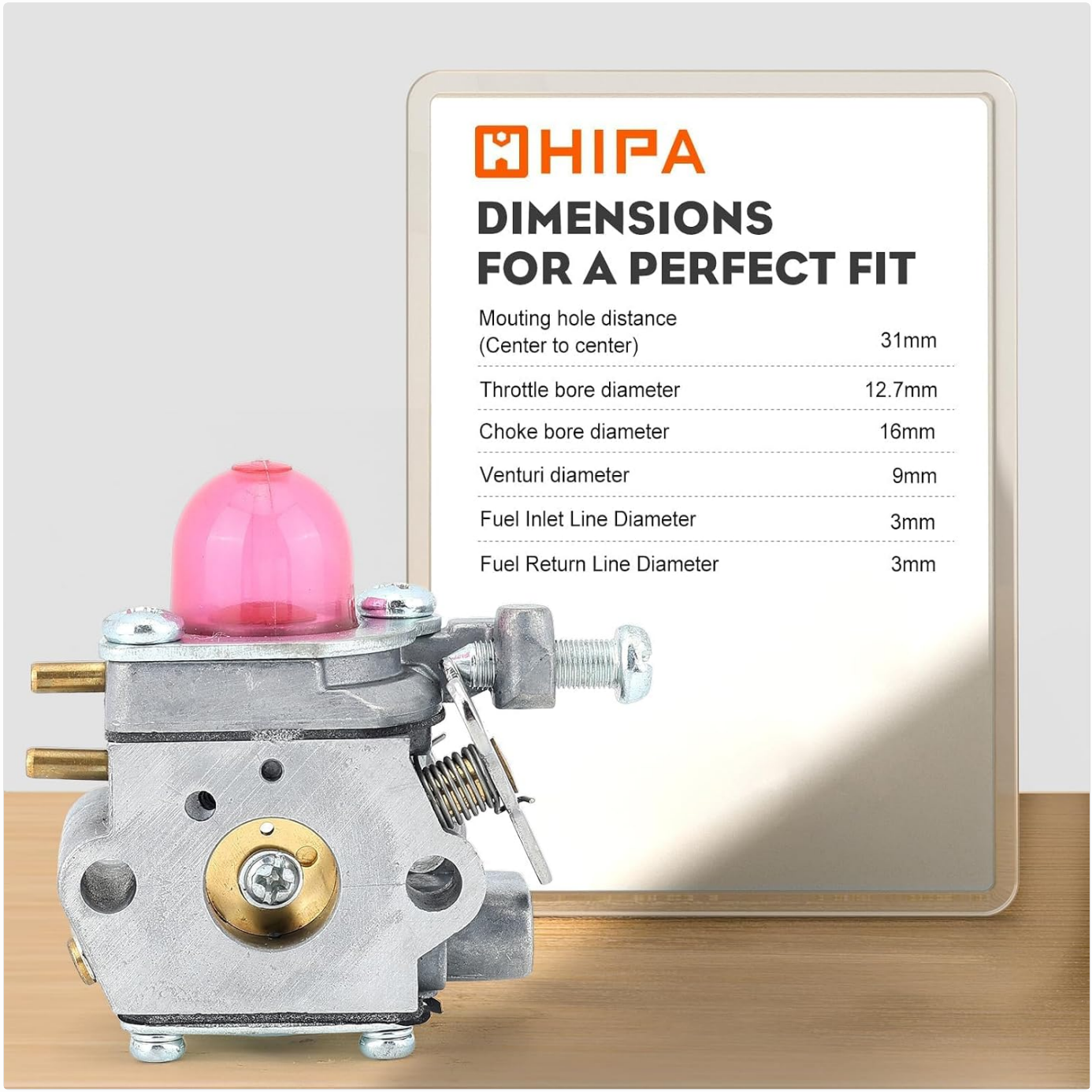


Image: Detailed diagram showing the key dimensions of the Hipa carburetor for accurate fitment.


Image: Exploded view of the carburetor highlighting components like impulse port, idle speed screw, fuel lines, vent port, and high/low speed screws.

## 4. Installation

The Hipa M2510 Carburetor is factory-tuned and arrives ready for installation. No initial adjustments are typically needed. Follow these general steps for replacement:

1. **Safety First:** Ensure the engine is cool and disconnected from any power source (e.g., spark plug wire removed).
2. **Drain Fuel:** Drain any remaining fuel from the tank into an approved container.
3. **Remove Air Filter Assembly:** Carefully remove the air filter cover and the old air filter. Disconnect any hoses or linkages attached to the air filter housing.
4. **Disconnect Fuel Lines:** Identify and disconnect the fuel inlet and return lines from the old carburetor. Be prepared for minor fuel spills.

5. **Remove Old Carburetor:** Unbolt the old carburetor from the engine. Note the position of any gaskets.
6. **Install New Carburetor:** Place the new gasket(s) in position and mount the new Hipa carburetor. Ensure it is seated correctly and tighten the bolts securely.
7. **Connect New Fuel Lines and Filter:** Cut the provided fuel lines to the appropriate length. Install the new fuel filter into the fuel tank and connect the new fuel lines to the carburetor, ensuring correct routing for inlet and return.
8. **Install New Air Filter and Spark Plug:** Replace the old air filter with the new one provided. Install the new spark plug.
9. **Reconnect Spark Plug Wire:** Reconnect the spark plug wire.

***Note:*** *Specific steps may vary slightly depending on your equipment model. Refer to your equipment's original service manual for detailed instructions if needed.*


Image: The Hipa carburetor, indicating it is factory-tuned and ready for immediate use after installation.

## 5. Operation

Once the Hipa M2510 Carburetor is installed, operating your equipment should be straightforward. The carburetor is designed for dependable engine performance under various conditions.

1. **Fueling:** Fill the fuel tank with the correct fuel mixture (gasoline and 2-stroke oil, if applicable) as specified by your equipment manufacturer.
2. **Priming:** Press the primer bulb several times until fuel is visible in the bulb and flows freely, indicating the carburetor is primed.
3. **Choke:** For cold starts, engage the choke. For warm starts, the choke may not be necessary.
4. **Starting:** Follow your equipment's specific starting procedure (e.g., pull cord, electric start). Once the engine fires, gradually disengage the choke.
5. **Idle:** Allow the engine to warm up. The carburetor is factory-tuned for optimal idle. If minor adjustments are needed for stable idling, locate the idle speed screw on the carburetor and turn it slightly clockwise to increase idle speed or counter-clockwise to decrease it.

## 6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your Hipa M2510 Carburetor and associated equipment. The carburetor's quality materials (anodized aluminum, brass components, composite rubber diaphragms) provide resistance to heat, corrosion, and wear.

- **Fuel Quality:** Always use fresh, clean fuel. Stale or contaminated fuel can clog the carburetor. Consider using a fuel stabilizer, especially during storage.
- **Air Filter:** Regularly inspect and clean or replace the air filter. A dirty air filter restricts airflow, affecting engine performance and fuel mixture.
- **Fuel Filter:** Replace the fuel filter periodically (e.g., annually or as recommended by your equipment manufacturer) to prevent debris from reaching the carburetor.
- **Spark Plug:** Inspect the spark plug for wear and proper gap. Replace it if it's fouled or worn.
- **Carburetor Cleaning:** If performance issues arise, the carburetor may require cleaning. This typically involves disassembling, cleaning with carburetor cleaner, and reassembling with new gaskets if necessary. Consult a professional if you are unsure.


Image: Illustration of the high-quality materials, such as brass and anodized aluminum, used in the construction of the Hipa carburetor for durability.

## 7. Troubleshooting

This section addresses common issues you might encounter with your equipment after carburetor installation. The Hipa carburetor undergoes rigorous testing, including 100% flow tests, random engine tests, leak tests, and durability/precision tests, to ensure reliability.

| Symptom | Possible Cause | Solution |
|---|---|---|
| **Engine Won't Start** | No fuel, clogged fuel filter, faulty spark plug, no spark, air filter clogged, primer bulb issue. | Check fuel level and quality. Replace fuel filter. Inspect/replace spark plug. Ensure spark plug wire is connected. Clean/replace air filter. Ensure primer bulb is functioning and priming fuel. |
| **Engine Starts Then Stalls** | Improper fuel delivery, clogged fuel filter, dirty air filter, incorrect idle adjustment. | Check fuel lines for kinks. Replace fuel filter. Clean/replace air filter. Adjust idle speed screw slightly. |
| **Fuel Leaks** | Loose fuel lines, damaged gaskets, faulty float valve (internal to carburetor). | Inspect and tighten fuel line connections. Ensure gaskets are properly seated and undamaged. If internal leak, carburetor may need professional service or replacement. |

| Symptom | Possible Cause | Solution |
|---|---|---|
| **Engine Runs Rough / Lacks Power** | Incorrect air/fuel mixture, dirty air filter, worn spark plug, fuel quality issues. | Clean/replace air filter. Inspect/replace spark plug. Use fresh fuel. While the carburetor is factory-tuned, minor adjustments to the high/low speed screws (if present and accessible) may be needed for specific operating conditions, but this should be done cautiously. |


Image: Visual representation of common engine issues such as not starting, stalling, fuel leaks, and rough running.

## 8. Warranty and Support

For specific warranty information regarding your Hipa M2510 Carburetor, please refer to the documentation included with your purchase or contact Hipa directly. Hipa is committed to providing quality replacement parts.

### 8.1. Contact Support

If you require further assistance or have questions not covered in this manual, please visit the official Hipa store or contact their customer support. You can find more information and contact details on the Hipa Store on Amazon.

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**