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## Briggs & Stratton 799583

# Briggs & Stratton 799583 Carburetor Instruction Manual

Genuine OEM Replacement Part

### PRODUCT OVERVIEW

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The Briggs & Stratton 799583 Carburetor is a genuine Original Equipment Manufacturer (OEM) authorized replacement part designed for various Briggs & Stratton engine models. This carburetor is manufactured in the United States and ensures proper fuel-air mixture for optimal engine performance.

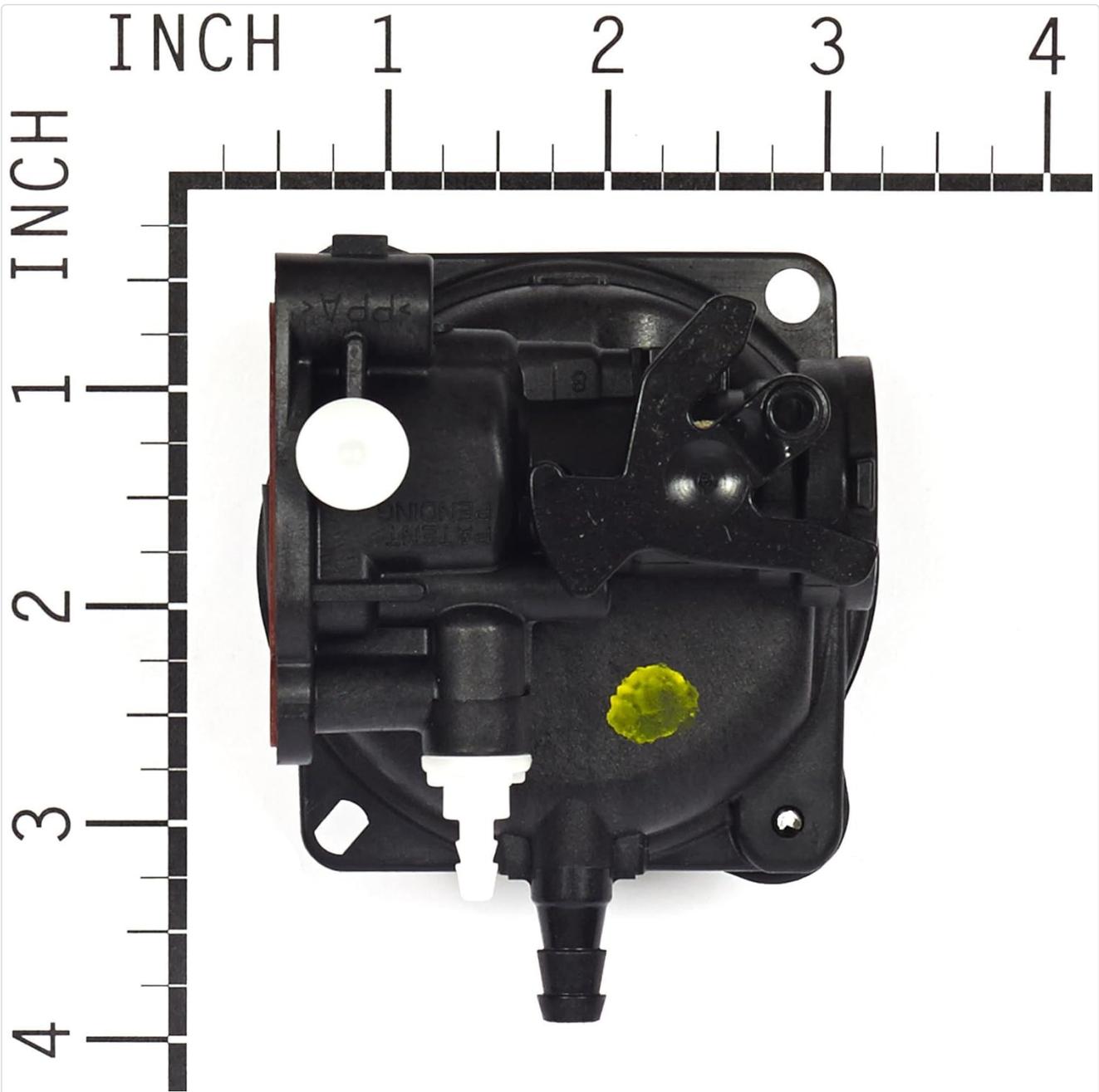


Image 1: Front view of the Briggs & Stratton 799583 Carburetor, showing the main intake and fuel line connection.

## SAFETY INFORMATION

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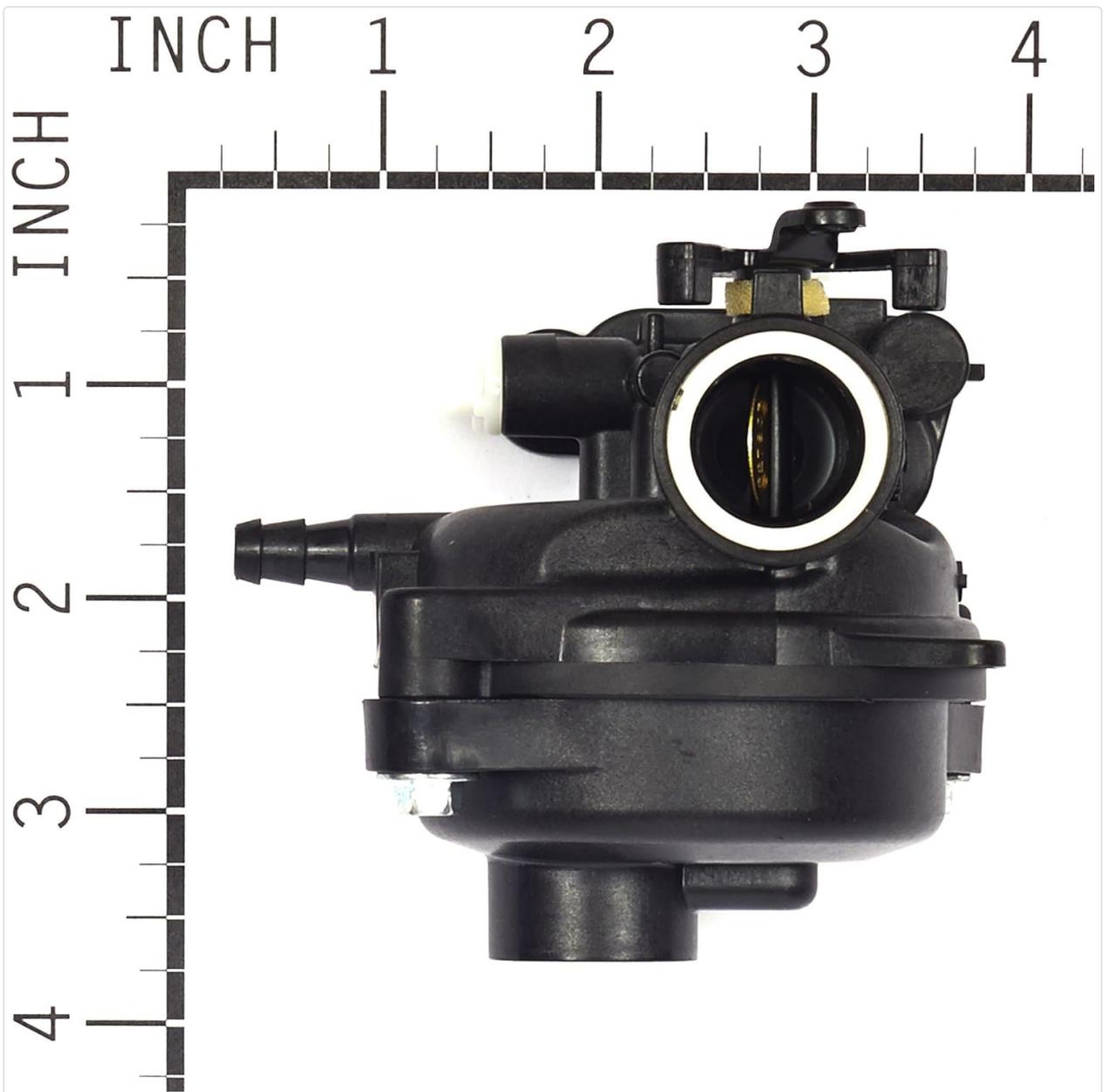
**WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Always wear appropriate personal protective equipment (PPE) when handling fuel system components. Ensure proper ventilation and avoid prolonged skin contact with fuel or carburetor cleaning agents.

- Always disconnect the spark plug wire before performing any maintenance or installation.
- Ensure the engine is cool before working on the carburetor.
- Work in a well-ventilated area.
- Keep open flames and sparks away from fuel and fuel system components.
- Dispose of old fuel and parts according to local regulations.

## SETUP AND INSTALLATION

Replacing the carburetor requires basic mechanical skills. Refer to your engine's specific service manual for detailed instructions on removing the old carburetor and installing the new one. The following steps provide a general overview:

1. **Prepare the Engine:** Ensure the engine is off and cool. Disconnect the spark plug wire. Drain the fuel tank or pinch off the fuel line to prevent fuel leakage.
2. **Remove Air Filter Assembly:** Carefully remove the air filter housing and air filter.
3. **Disconnect Linkages and Fuel Line:** Disconnect the throttle and choke linkages from the old carburetor. Detach the fuel line.
4. **Remove Old Carburetor:** Unbolt the old carburetor from the engine. Note the orientation of any gaskets or spacers.
5. **Transfer Components (if necessary):** Some carburetors may require transferring specific components, such as throttle linkages or springs, from the old unit to the new one. The Briggs & Stratton 799583 typically comes ready for installation, but always compare with the old unit.



*Image 2: Side view of the carburetor, showing the throttle and choke linkages. Ensure these are correctly connected during installation.*

6. **Install New Carburetor:** Place new gaskets (if supplied or required) and mount the new Briggs & Stratton 799583

Carburetor onto the engine. Secure it with the appropriate bolts.

7. **Reconnect Linkages and Fuel Line:** Reattach the throttle and choke linkages. Connect the fuel line securely.
8. **Reinstall Air Filter Assembly:** Reinstall the air filter and its housing.
9. **Refill Fuel:** Add fresh, clean fuel to the tank.

### Installation Video Reference



*Video 1: This video demonstrates the process of replacing a carburetor on a lawnmower, which can be used as a general guide for installing the Briggs & Stratton 799583 Carburetor.*

## OPERATING INSTRUCTIONS

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Once the new carburetor is installed, the engine should start and run smoothly. Follow your engine's specific starting procedures.

- **Starting the Engine:**
  - a. Ensure the fuel tank has fresh, clean fuel.
  - b. Connect the spark plug wire.
  - c. If your engine has a primer bulb, press it 3-5 times until fuel is visible.
  - d. Set the throttle to the "Fast" or "Start" position.
  - e. Pull the starter rope firmly until the engine starts.
- **Engine Operation:** Allow the engine to warm up for a few minutes before engaging any attachments or beginning work. The carburetor automatically adjusts the fuel-air mixture for optimal performance under various loads.
- **Shutting Down:** To stop the engine, move the throttle to the "Stop" position or engage the engine kill switch.

## MAINTENANCE

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Regular maintenance helps prolong the life of your engine and carburetor. While the 799583 is a replacement part, proper care of the fuel system is crucial.

- **Fuel Quality:** Always use fresh, clean, unleaded gasoline with an octane rating of 87 or higher. Avoid using old or stale fuel, as it can lead to carburetor clogging.
- **Fuel Stabilizer:** If storing the engine for more than 30 days, add a fuel stabilizer to the fuel tank to prevent fuel degradation and gum formation in the carburetor.
- **Air Filter:** Regularly inspect and clean or replace the air filter according to your engine's maintenance schedule. A dirty air filter can restrict airflow and affect carburetor performance.
- **Spark Plug:** Check and replace the spark plug as recommended by your engine manufacturer. A fouled spark plug can lead to poor combustion and affect engine starting and running.

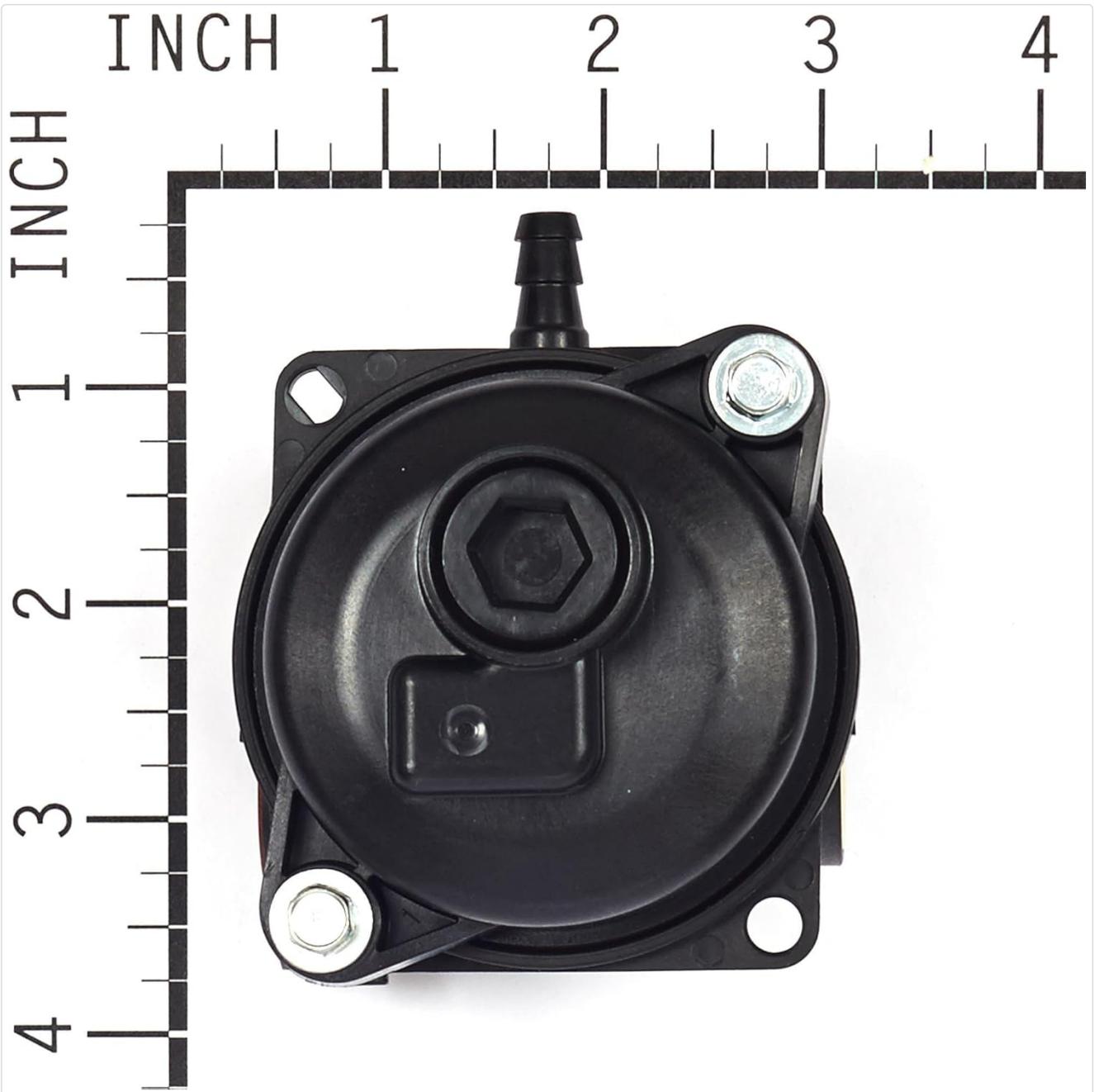


Image 3: Bottom view of the carburetor, showing the fuel bowl and mounting points. Regular inspection for leaks is recommended.

## TROUBLESHOOTING

If your engine experiences issues after carburetor replacement, consider the following common problems:

Problem	Possible Cause	Solution
Engine will not start	No fuel, clogged fuel line, incorrect choke/throttle setting, loose spark plug wire.	Check fuel level, ensure fuel line is clear, adjust choke/throttle, reattach spark plug wire.
Engine runs rough or stalls	Dirty air filter, stale fuel, incorrect carburetor adjustment (unlikely for new OEM part), fuel line obstruction.	Clean/replace air filter, use fresh fuel, check fuel line for kinks or blockages.

Problem	Possible Cause	Solution
Fuel leaks from carburetor	Improperly seated gasket, loose mounting bolts, damaged fuel line connection.	Inspect gaskets, tighten mounting bolts, check fuel line connections for security.

If issues persist, consult a qualified service technician or refer to your engine's comprehensive service manual.

## SPECIFICATIONS

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- **Part Number:** 799583
- **Manufacturer:** Briggs and Stratton
- **Product Dimensions:** Approximately 1 x 1 x 1 inches
- **Item Weight:** Approximately 4.8 ounces
- **Compatibility:** Fits various Briggs & Stratton models (refer to your engine's manual for specific compatibility)
- **Type:** OEM Authorized Replacement Carburetor

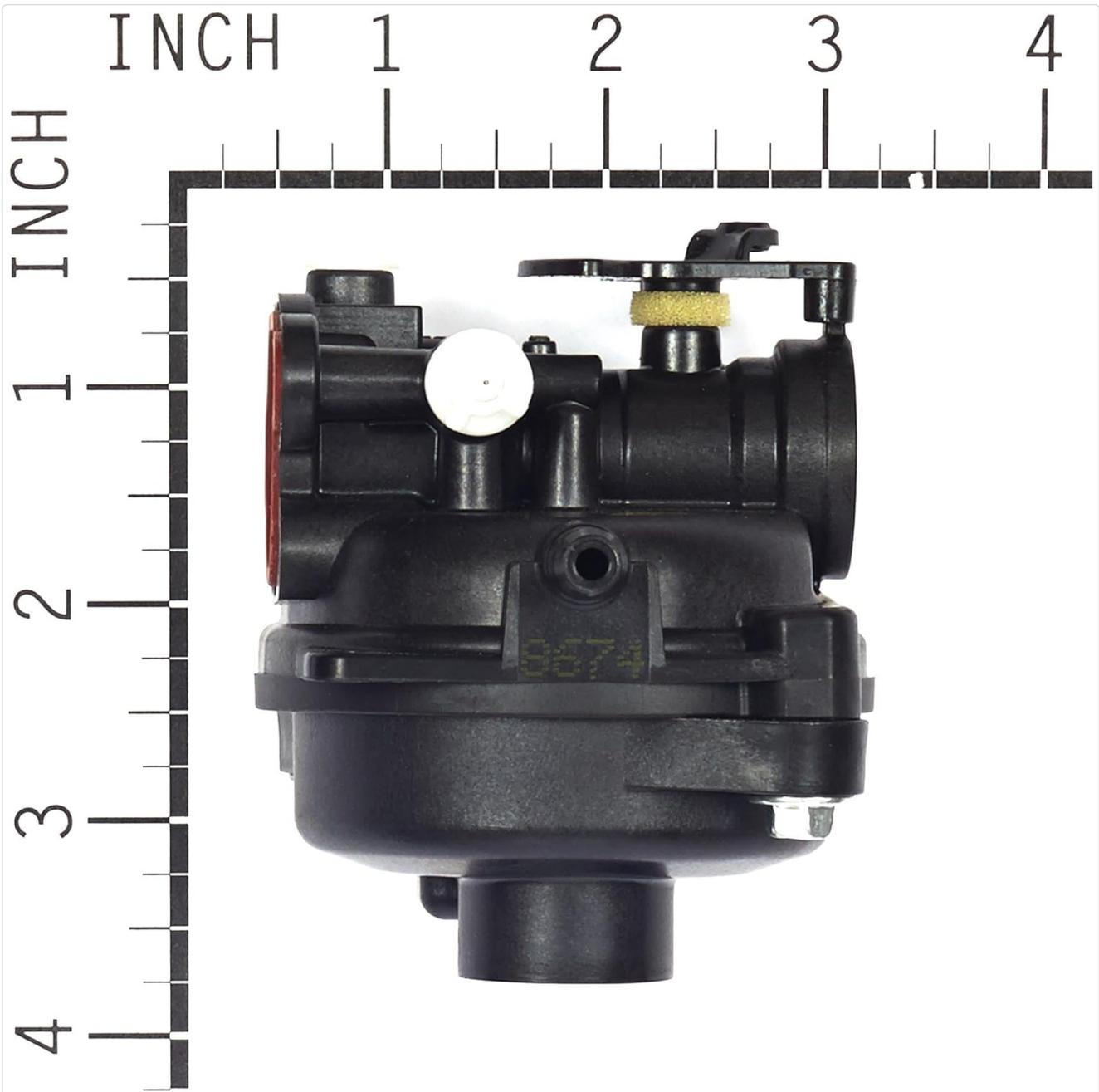


Image 4: Top view of the carburetor, showing the primer bulb and various ports.

## WARRANTY AND SUPPORT

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For warranty information and technical support regarding your Briggs & Stratton 799583 Carburetor, please contact Briggs & Stratton directly or refer to the warranty documentation included with your engine or product purchase.

You can visit the official Briggs & Stratton website for service locator tools, parts diagrams, and contact information:  
[www.briggsandstratton.com](http://www.briggsandstratton.com)

