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Stens 485-755

Stens Carburetor Gasket 485-755 Instruction Manual

For Tecumseh HM70-HM100, V80, and VM70-VM100 Engines

1. INTRODUCTION

This manual provides essential instructions for the proper installation and maintenance of the Stens Carburetor Gasket, model 485-755. This gasket is designed as a replacement part for specific Tecumseh engine models. Adhering to these instructions will help ensure correct fitment and optimal engine performance.

2. PRODUCT DESCRIPTION

The Stens Carburetor Gasket 485-755 is a critical component for maintaining a proper seal between the carburetor and the engine intake manifold. This seal prevents air leaks that can lead to improper fuel-air mixture and engine performance issues. It is manufactured to meet or exceed original equipment specifications for durability and fit.

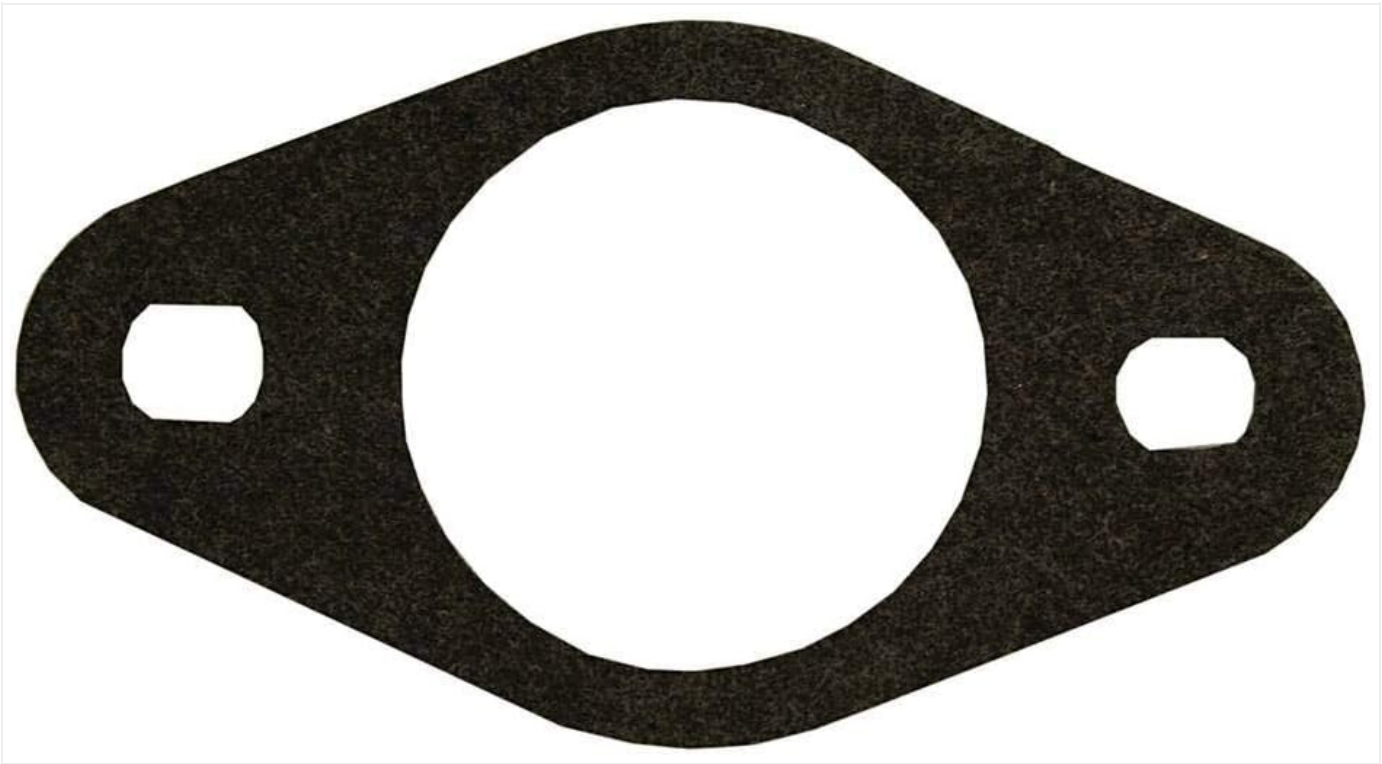


Figure 1: Stens Carburetor Gasket 485-755. This image displays the gasket's distinct oval shape, featuring a central circular opening for the carburetor throat and two smaller, elongated holes for mounting bolts on either side.

3. COMPATIBILITY

This gasket is compatible with the following Tecumseh engine models and replaces the OEM part numbers listed:

- **Tecumseh Engine Models:** HM70, HM80, HM90, HM100, V80, VM70, VM80, VM90, VM100
- **Replaces OEM Part Numbers:** Tecumseh 33263, 33861

It is crucial to verify your engine's model number and the required OEM part number before installation to ensure proper fitment.

4. SAFETY INFORMATION

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

- Ensure the engine is turned off and cooled down before beginning any work.
- Disconnect the spark plug wire to prevent accidental starting.
- Work in a well-ventilated area, especially when dealing with fuel.
- Wear appropriate personal protective equipment, such as gloves and eye protection.
- Be aware of fuel lines and potential fuel spills. Have absorbent materials ready.
- Do not use this gasket with fuels containing greater than 10% ethanol, as it may compromise the gasket's integrity and lead to premature failure.

5. INSTALLATION GUIDE

Follow these steps for proper installation of the Stens Carburetor Gasket 485-755:

1. **Preparation:** Ensure the engine is off, cool, and the spark plug wire is disconnected.
2. **Access Carburetor:** Carefully remove any air filter housings, shrouds, or other components that obstruct access to the carburetor.
3. **Disconnect Fuel Line:** Pinch off or drain the fuel line connected to the carburetor to prevent fuel leakage.
4. **Remove Carburetor:** Unbolt the carburetor from the engine intake manifold. Note the position of any linkages or hoses for reassembly.
5. **Remove Old Gasket:** Carefully remove the old gasket. Inspect the mounting surfaces on both the carburetor and the engine for any remaining gasket material or debris. Clean these surfaces thoroughly to ensure a smooth, flat mating surface.
6. **Install New Gasket:** Position the new Stens Carburetor Gasket 485-755 onto the engine intake manifold studs or align it with the bolt holes. Ensure it is correctly oriented and seated.
7. **Reinstall Carburetor:** Mount the carburetor back onto the engine, aligning it with the gasket and bolt holes.
8. **Secure Carburetor:** Reinstall the mounting bolts and tighten them evenly to the manufacturer's recommended torque specifications (if available). Avoid overtightening, which can damage the gasket or components.
9. **Reconnect Components:** Reconnect the fuel line, ensuring no leaks. Reattach any linkages, hoses, air filter housing, and shrouds that were removed.
10. **Final Check:** Reconnect the spark plug wire. Start the engine and check for any fuel leaks or unusual engine operation.

Note: If you are unsure about any step, consult a qualified service technician or your engine's specific service manual.

6. MAINTENANCE

Carburetor gaskets generally do not require routine maintenance beyond proper installation. However, periodic inspection is recommended:

- **Visual Inspection:** Regularly check the area around the carburetor for any signs of fuel leaks or air leaks (e.g., fuel residue,

unusual engine sounds).

- **Engine Performance:** Monitor engine performance. A failing gasket can cause rough idling, stalling, or difficulty starting.
- **Replacement:** If a leak is detected or engine performance issues are suspected to be gasket-related, replace the gasket immediately.

7. TROUBLESHOOTING

If you experience issues after gasket installation, consider the following:

Symptom	Possible Cause	Solution
Fuel Leak around Carburetor	Gasket improperly seated, damaged, or mounting bolts loose.	Recheck gasket seating, tighten bolts evenly, or replace gasket if damaged.
Engine Runs Poorly (Rough Idle, Stalling)	Air leak due to faulty gasket or improper installation.	Inspect gasket for damage, ensure proper seating, and check bolt tightness.
Difficulty Starting Engine	Air leak affecting fuel-air mixture.	Verify gasket integrity and installation.

8. SPECIFICATIONS

- **Part Number:** 485-755
- **Replaces OEM:** Tecumseh 33263, 33861
- **Material:** Plastic
- **Color:** Black
- **Shape:** Round
- **Product Dimensions:** Approximately 4.05 x 3.5 x 0.8 inches
- **Item Weight:** Approximately 0.16 ounces
- **Ethanol Compatibility:** Not compatible with greater than 10% ethanol fuel.

9. WARRANTY AND SUPPORT

For specific warranty information regarding your Stens Carburetor Gasket 485-755, please refer to the packaging or contact Stens customer support directly. Stens is committed to providing quality replacement parts. For technical assistance or further inquiries, please visit the official Stens website or contact their customer service department. You can find more information about Stens products and support at [Stens Store on Amazon](#).

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