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Edelbrock 2515

Edelbrock 2515 Intake Manifold User Manual

Model: 2515

PRODUCT OVERVIEW

The Edelbrock 2515 Intake Manifold is engineered to enhance engine performance by increasing horsepower and torque. Constructed from durable aluminum with a satin finish, this single-plane intake manifold is designed to deliver excellent throttle response and maximize power output, particularly at higher RPM ranges. It is suitable for a range of automotive applications and is proudly made in the USA.

Key features include an idle-5500 RPM range, a dual-plane type-4150 style flange, and specific dimensions for front, center, and rear height to ensure proper fitment and performance.

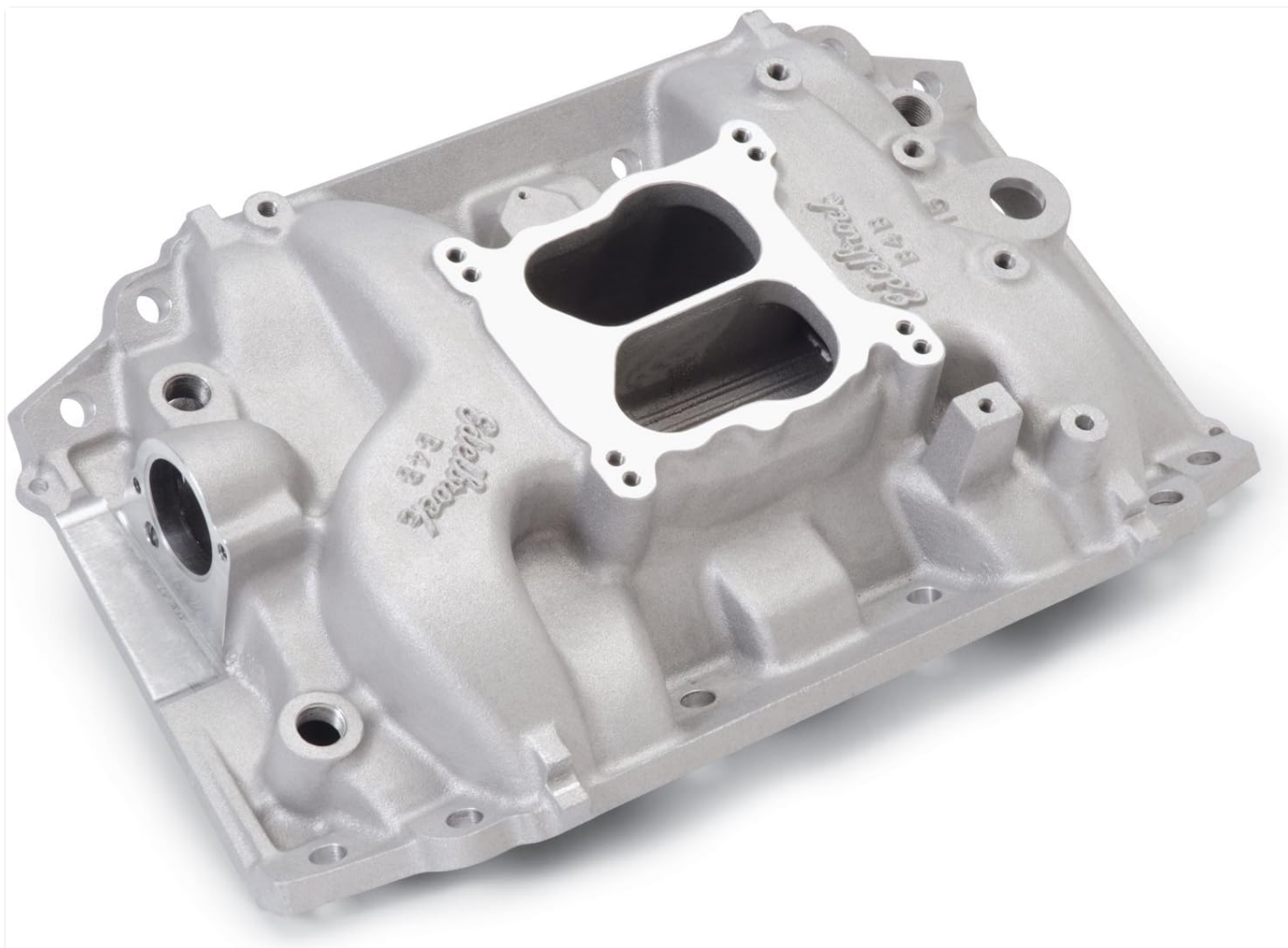


Figure 1: Top-down view of the Edelbrock 2515 Intake Manifold. This image showcases the overall design and the dual-plane carburetor mounting pad, highlighting the satin finish and the robust aluminum construction.

⚠ WARNING: THIS PRODUCT CAN EXPOSE YOU TO CHEMICALS WHICH ARE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. FOR MORE INFORMATION, VISIT WWW.P65WARNINGS.CA.GOV.

Figure 2: Angled view of the Edelbrock 2515 Intake Manifold. This perspective provides a clearer look at the manifold's runners and ports, as well as the casting details and mounting points for various engine components.

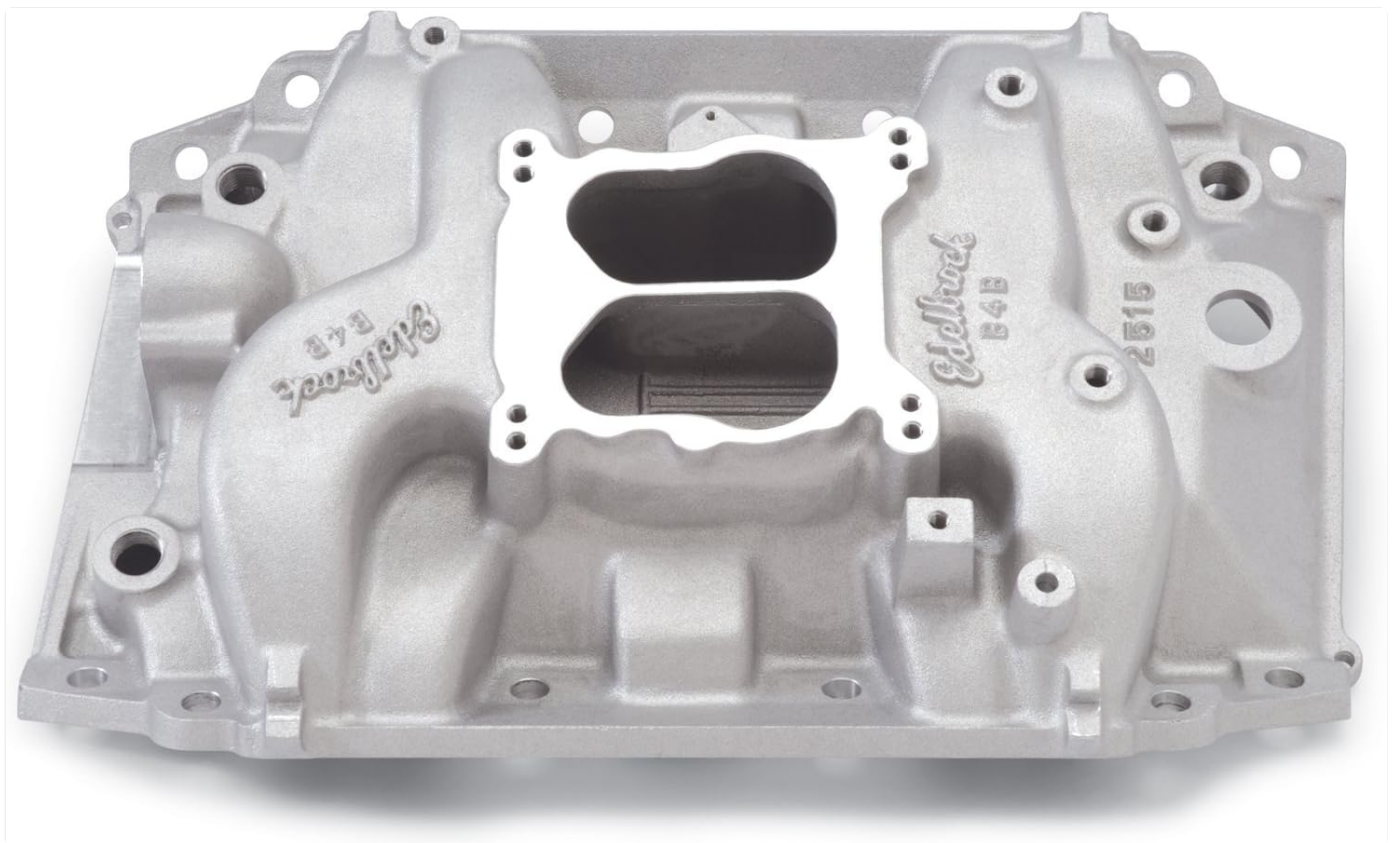


Figure 3: Another angled view of the Edelbrock 2515 Intake Manifold, showing the underside and additional mounting points. This view helps in understanding the manifold's integration with the engine block and cylinder heads.

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SETUP AND INSTALLATION

Proper installation of the Edelbrock 2515 Intake Manifold is crucial for optimal performance and engine longevity. It is recommended that installation be performed by a qualified automotive technician.

Required Tools and Materials:

- Socket set and wrenches
- Torque wrench
- Gasket scraper
- New intake manifold gaskets (specific to application)
- RTV silicone sealant (high-temperature automotive grade)
- Clean rags and degreaser
- Safety glasses and gloves

Installation Steps:

1. **Preparation:** Disconnect the battery. Drain the cooling system. Remove all components obstructing access to the existing intake manifold, including the carburetor, distributor, hoses, and wiring.
2. **Manifold Removal:** Loosen and remove the bolts securing the old intake manifold. Carefully lift the manifold off the

engine.

3. **Surface Cleaning:** Thoroughly clean the cylinder head intake port surfaces and the block's manifold sealing surfaces. Remove all old gasket material and sealant. Ensure surfaces are dry and free of oil or debris.
4. **Gasket Placement:** Apply a thin bead of RTV sealant to the four corners of the intake manifold where the manifold meets the cylinder heads and the front/rear block rails. Carefully position the new intake manifold gaskets onto the cylinder heads, ensuring proper alignment with the bolt holes and ports.
5. **Manifold Installation:** Carefully lower the Edelbrock 2515 Intake Manifold onto the engine, aligning it with the gaskets and bolt holes. Ensure no gasket material is pinched or misaligned.
6. **Bolt Tightening:** Install all intake manifold bolts finger-tight. Following the manufacturer's recommended torque sequence (typically a criss-cross pattern starting from the center), gradually torque the bolts to the specified values in several passes. Refer to your engine's service manual for exact torque specifications.
7. **Reassembly:** Reinstall all removed components, including the carburetor, distributor, hoses, and wiring. Refill the cooling system and reconnect the battery.
8. **Initial Start-up:** Before starting the engine, double-check all connections and fluid levels. Start the engine and check for any leaks or unusual noises. Allow the engine to reach operating temperature and re-check for leaks.

OPERATING CONSIDERATIONS

The Edelbrock 2515 Intake Manifold is designed for performance applications. Proper tuning of your carburetor and ignition system is essential to fully realize the benefits of this manifold and ensure reliable engine operation.

Carburetor Tuning:

- The dual-plane design provides excellent throttle response across a broad RPM range.
- Adjust carburetor jets and power valves as necessary to achieve optimal air/fuel mixture for your specific engine combination and driving conditions.
- Consider professional dyno tuning for maximum performance and efficiency.

Ignition Timing:

- Verify and adjust ignition timing to complement the new intake manifold and any other engine modifications.
- Incorrect timing can lead to reduced performance or engine damage.

MAINTENANCE

The Edelbrock 2515 Intake Manifold requires minimal maintenance once properly installed. However, periodic checks are recommended to ensure continued performance and prevent issues.

- **Visual Inspection:** Periodically inspect the manifold for any signs of leaks around the gasket surfaces, cracks, or damage. Check all vacuum lines and hose connections for integrity.
- **Bolt Torque Check:** After the first few heat cycles (e.g., 500 miles), it is advisable to re-check the torque on the intake manifold bolts. Engine heat cycles can sometimes cause bolts to loosen slightly.
- **Cleaning:** Keep the exterior of the manifold clean to prevent buildup of dirt and debris, which can affect heat dissipation. Use appropriate automotive cleaners.

TROUBLESHOOTING

This section addresses common issues that may arise after installing an intake manifold. Always consult a qualified

technician if you are unsure about any diagnostic or repair procedures.

Problem	Possible Cause	Solution
Vacuum Leak	Improperly sealed gaskets, loose manifold bolts, damaged vacuum lines.	Check all gasket surfaces for proper sealing. Re-torque manifold bolts. Inspect and replace any damaged vacuum lines.
Coolant Leak	Improperly sealed coolant passages in gaskets, damaged manifold.	Ensure RTV sealant was applied correctly to coolant passages. Replace gaskets if necessary. Inspect manifold for cracks.
Poor Engine Performance (after installation)	Incorrect carburetor tuning, improper ignition timing, vacuum leak.	Verify carburetor settings and adjust as needed. Check and set ignition timing. Inspect for vacuum leaks as described above.

SPECIFICATIONS

The following specifications apply to the Edelbrock 2515 Intake Manifold:

- **Part Number:** 2515
- **Material:** Aluminum
- **Finish:** Satin
- **RPM Range:** Idle - 5500 RPM
- **Manifold Type:** Single Plane
- **Carburetor Flange:** 4150 Style (Dual Plane)
- **Front Height:** 3.8 inches
- **Center Height:** 4.27 inches
- **Rear Height:** 4.75 inches
- **Item Weight:** Approximately 22.3 pounds
- **Manufacturing Origin:** Made in the USA

WARRANTY INFORMATION

Edelbrock products are manufactured to the highest quality standards. For specific warranty terms and conditions applicable to the 2515 Intake Manifold, please refer to the official Edelbrock warranty statement available on their website or contact Edelbrock customer support directly. Keep your proof of purchase for any warranty claims.

CUSTOMER SUPPORT

For technical assistance, installation questions, or further information regarding your Edelbrock 2515 Intake Manifold, please contact Edelbrock customer support.
Edelbrock Official Website: www.edelbrock.com
(Please check the official website for the most current contact information, including phone numbers and email addresses.)

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