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› Edelbrock Victor 460 Intake Manifold User Manual

Edelbrock 2966

Edelbrock Victor 460 Intake Manifold Instruction Manual

Model: 2966

1. INTRODUCTION

The Edelbrock Victor 460 Intake Manifold is engineered to significantly enhance the performance of your engine. Designed for optimal airflow and fuel distribution, this manifold increases both torque and horsepower within the 3500 to 8000 RPM range. Constructed from high-quality aluminum with a natural finish, it ensures durability and efficient operation. This manual provides essential information for the proper installation, operation, and maintenance of your new intake manifold.

2. IMPORTANT SAFETY INFORMATION

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.

Image: California Proposition 65 Warning label indicating potential exposure to chemicals known to cause cancer or reproductive harm.

Always wear appropriate personal protective equipment (PPE) when handling automotive components. Ensure proper ventilation in your workspace. If you are not confident in your ability to install this product, seek assistance from a qualified automotive professional.

3. PRODUCT FEATURES

The Edelbrock Victor 460 Intake Manifold offers several key features designed for high-performance applications:

- **Optimized RPM Range:** Engineered for peak performance between 3500 and 8000 RPM.
- **Single Plane Design:** Features a Type-4150 style flange, ideal for high-RPM power.
- **Consistent Height:** Measures 6.3 inches in front, center, and rear height for balanced fitment.

- **Durable Construction:** Made from high-quality aluminum with a satin finish for longevity and aesthetic appeal.
- **Square-Bore Carburetor Compatibility:** Specifically designed to work with square-bore carburetors.



Image: Top view of the Edelbrock Victor 460 Intake Manifold, highlighting its single-plane design and carburetor mounting pad.



Image: Bottom view of the Edelbrock Victor 460 Intake Manifold, illustrating the intake runners and port openings.



Image: Side view of the Edelbrock Victor 460 Intake Manifold, displaying its overall dimensions and satin finish.

4. SPECIFICATIONS

Attribute	Detail
Model Number	2966
Brand	Edelbrock
RPM Range	3500-8000 RPM
Manifold Type	Single Plane
Carburetor Flange	Type-4150 Style (Square-Bore)
Front Height	6.3 inches
Center Height	6.3 inches
Rear Height	6.3 inches
Material	Aluminum
Finish	Satin
Item Weight	26.7 pounds
Country of Origin	USA

5. INSTALLATION AND SETUP

Proper installation is crucial for the performance and longevity of your Edelbrock Victor 460 Intake Manifold. It is highly recommended that installation be performed by a qualified automotive technician.

5.1. Pre-Installation Checks

- Verify that the manifold is compatible with your engine block (e.g., Ford 460 Big Block).
- Ensure all necessary gaskets, bolts, and sealants are available and in good condition.

- Clean the cylinder head intake ports and block surface thoroughly, removing any old gasket material or debris.
- Inspect the manifold for any shipping damage or manufacturing defects.

5.2. Installation Steps (General Guidelines)

1. Disconnect the battery and drain the cooling system.
2. Remove existing intake manifold, carburetor, and associated components.
3. Apply a thin, even coat of RTV sealant to the front and rear block sealing surfaces.
4. Carefully place the intake manifold gaskets onto the cylinder heads, ensuring proper alignment with the ports and bolt holes.
5. Gently lower the Edelbrock Victor 460 Intake Manifold onto the engine block, aligning it with the gaskets and bolt holes.
6. Install all intake manifold bolts finger-tight.
7. Following the manufacturer's recommended torque sequence and specifications, progressively tighten the bolts to the specified torque values. This is critical for proper sealing and preventing leaks.
8. Install the carburetor onto the manifold's square-bore flange, using a new gasket and appropriate hardware.
9. Reconnect all vacuum lines, fuel lines, electrical connections, and coolant hoses.
10. Refill the cooling system and check for leaks.
11. Reconnect the battery.

Refer to your vehicle's service manual for specific torque specifications and detailed procedures for your engine type.

6. OPERATION AND PERFORMANCE

The Edelbrock Victor 460 Intake Manifold is designed for high-performance applications, particularly those operating in the 3500-8000 RPM range. Its single-plane design promotes excellent top-end power and throttle response.

- **Engine Tuning:** After installation, it is highly recommended to have your engine professionally tuned to optimize air/fuel ratios and ignition timing for the new manifold. This will maximize performance gains and ensure engine health.
- **Carburetor Selection:** Ensure your carburetor is appropriately sized and tuned for the Victor 460 manifold and your engine's specifications.
- **Performance Characteristics:** Expect improved horsepower and torque in the mid-to-high RPM range, characteristic of a single-plane intake manifold.

7. MAINTENANCE

The Edelbrock Victor 460 Intake Manifold requires minimal maintenance beyond regular engine upkeep. However, periodic checks are recommended:

- **Leak Checks:** Periodically inspect for any signs of coolant, oil, or vacuum leaks around the manifold gaskets and connections. Address any leaks promptly.
- **Bolt Torque:** After the initial heat cycles (e.g., after 500 miles), it is advisable to re-check the intake manifold bolt torque to ensure they remain at specification.
- **Cleaning:** Keep the exterior of the manifold clean to prevent buildup of dirt and grime, which can affect heat dissipation.

8. TROUBLESHOOTING

If you encounter issues after installing your Edelbrock Victor 460 Intake Manifold, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
Vacuum Leaks	Improperly seated gaskets, loose vacuum lines, cracked vacuum hoses.	Check all gasket surfaces for proper sealing. Inspect and tighten all vacuum lines. Replace any damaged hoses.
Coolant/Oil Leaks	Improperly torqued bolts, damaged gaskets, insufficient sealant.	Re-check intake manifold bolt torque. Replace gaskets if damaged. Ensure proper application of RTV sealant during installation.
Poor Engine Performance (after installation)	Incorrect carburetor tuning, vacuum leaks, ignition timing issues, improper fuel delivery.	Verify carburetor tuning. Check for vacuum leaks. Confirm ignition timing is set correctly. Ensure fuel system is functioning optimally. Professional tuning is recommended.
Rough Idle	Vacuum leak, carburetor idle mixture incorrect.	Check for vacuum leaks. Adjust carburetor idle mixture screws.

If problems persist, consult a certified automotive mechanic or contact Edelbrock technical support.

9. WARRANTY INFORMATION

Edelbrock products are manufactured to high standards of quality and performance. For specific warranty terms and conditions applicable to the Victor 460 Intake Manifold, please refer to the official warranty statement provided with your product packaging or visit the official Edelbrock website. Generally, warranties cover defects in materials and workmanship under normal use and service.

10. CUSTOMER SUPPORT

For technical assistance, installation questions, or product support, please contact Edelbrock customer service. You can typically find contact information on the official Edelbrock website (www.edelbrock.com) or within the product packaging.

When contacting support, please have your product model number (2966) and any relevant purchase information readily available.