

[Manuals.plus](#) /

› [Edelbrock](#) /

› Edelbrock Performer RPM Air-Gap Intake Manifold User Manual

Edelbrock 7566

Edelbrock Performer RPM Air-Gap Intake Manifold User Manual

Model: 7566

INTRODUCTION

The Edelbrock Performer RPM Air-Gap Intake Manifold is engineered for enhanced engine performance. Manufactured from durable aluminum with a natural finish, this manifold features an exclusive Air-Gap design. This design creates an open space between the intake runners and the hot engine oil, which results in a cooler, denser air charge. A cooler, denser charge contributes to increased power output. This manifold is designed to optimize the power band, shifting it higher for improved performance in the 1,500-6,500 RPM range. It includes provisions for nitrous systems and accepts various accessory brackets, such as those for air conditioning, alternators, and coil mounts.

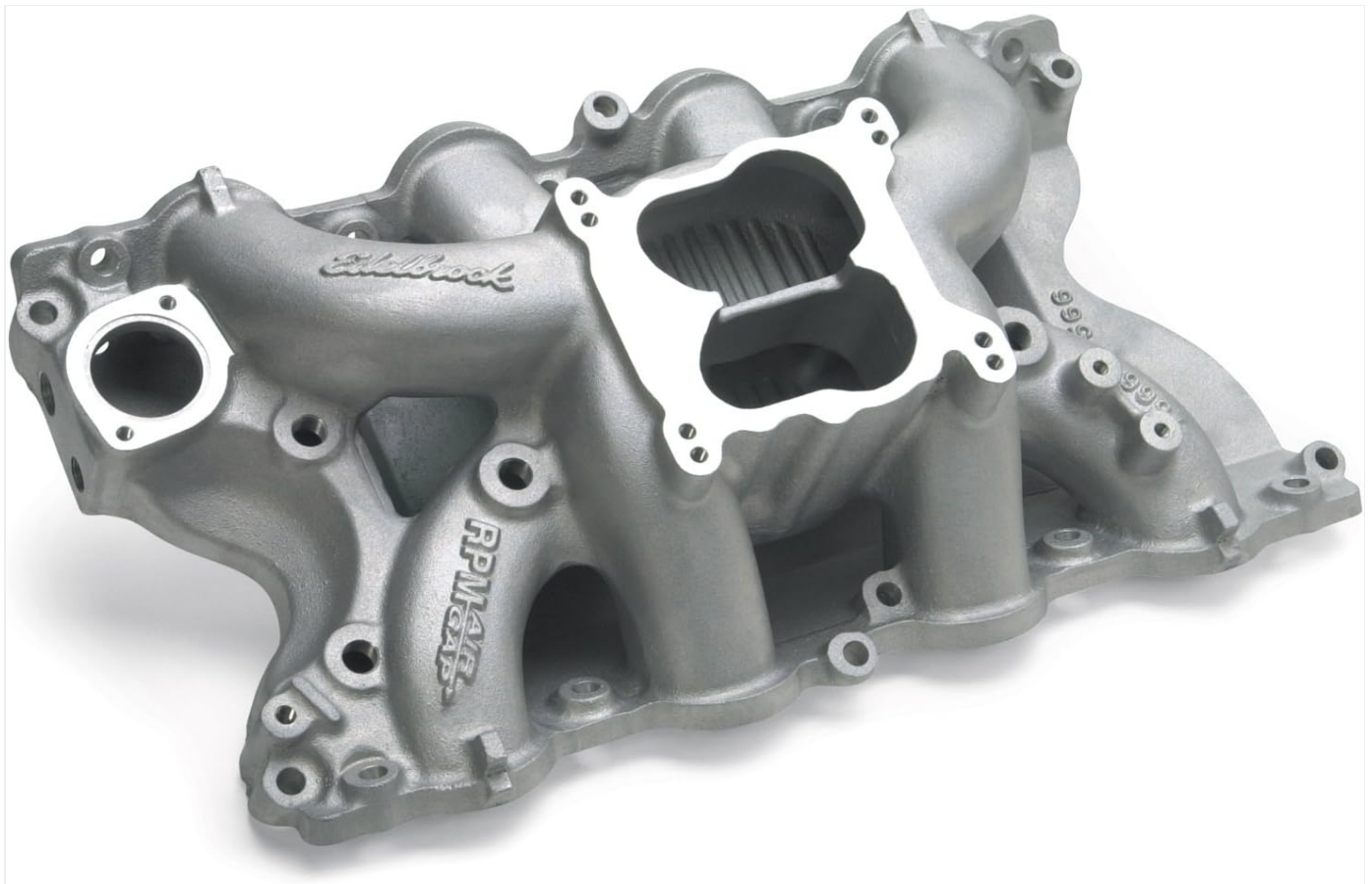


Figure 1: Top view of the Edelbrock Performer RPM Air-Gap Intake Manifold, showcasing its design and carburetor mounting surface.

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.

Always wear appropriate personal protective equipment (PPE) when handling automotive components. Ensure proper ventilation in your workspace. Consult a professional mechanic if you are unsure about any installation or maintenance procedures.

SETUP AND INSTALLATION

Installation of an intake manifold requires mechanical knowledge and specific tools. It is highly recommended that installation be performed by a qualified automotive technician. Incorrect installation can lead to engine damage or safety hazards.

Pre-Installation Checks:

- Verify that the manifold is compatible with your engine and carburetor type (accepts spread bore or square bore carburetors).
- Ensure all necessary gaskets, bolts, and seals are available and in good condition.
- Note that this manifold does not have an Exhaust Gas Recirculation (EGR) provision. Ensure this is compatible with your vehicle's emissions requirements.

General Installation Steps (Consult a Service Manual for Detailed Instructions):

1. Disconnect the battery and drain the cooling system.

2. Carefully remove existing components, including the carburetor, throttle linkage, vacuum lines, and the old intake manifold.
3. Clean all mating surfaces thoroughly to ensure a proper seal.
4. Apply RTV sealant as specified by the engine manufacturer and install new gaskets.
5. Carefully position the new Edelbrock Performer RPM Air-Gap Intake Manifold.
6. Install and torque manifold bolts to the manufacturer's specifications, following the correct tightening sequence.
7. Reconnect all removed components, including the carburetor, vacuum lines, and accessory brackets. The manifold is designed to accept standard accessory brackets.
8. Refill the cooling system and check for leaks.
9. Reconnect the battery and perform initial engine startup and checks.

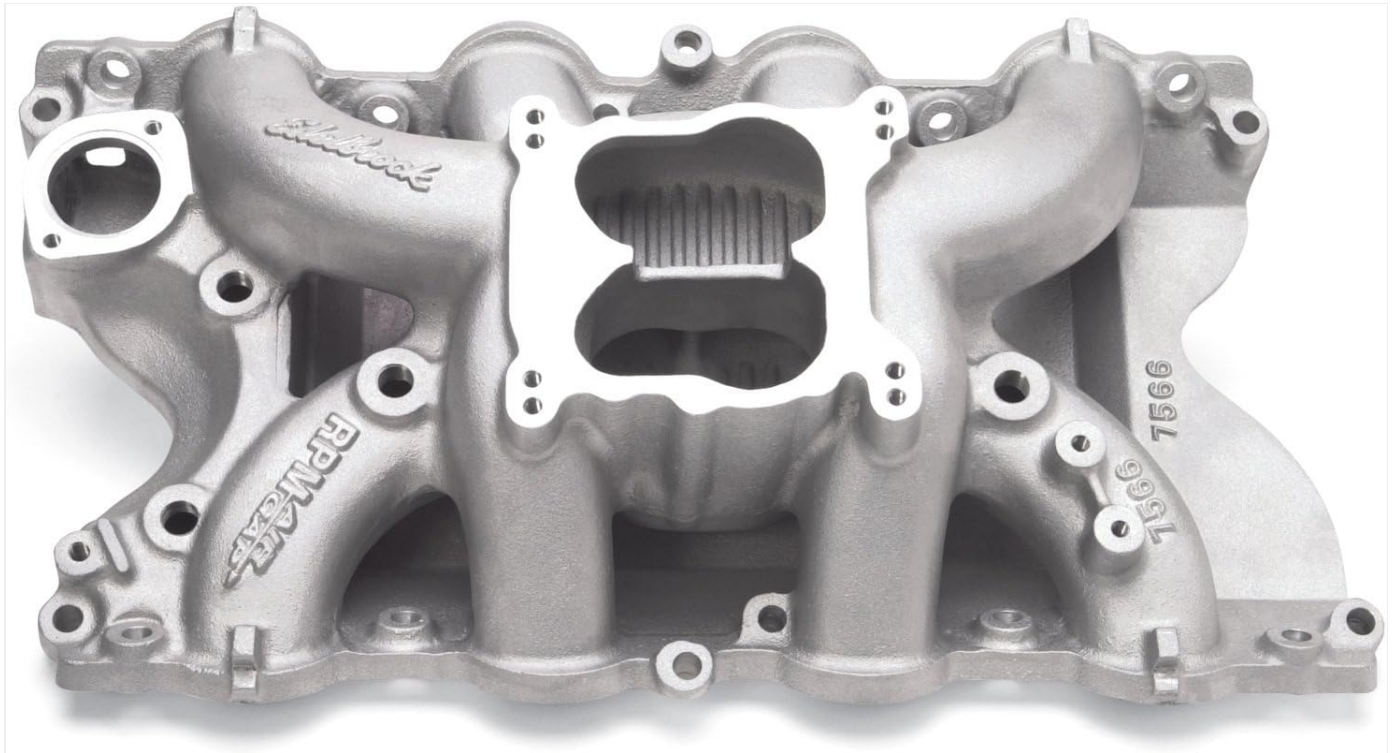


Figure 2: Angled view of the intake manifold, showing the runner design and mounting points.

OPERATING CHARACTERISTICS

Once installed, the Edelbrock Performer RPM Air-Gap Intake Manifold optimizes engine operation by providing a cooler, denser air/fuel mixture to the cylinders. This is achieved through its unique Air-Gap design, which isolates the intake runners from the heat of the engine's lifter valley. The cooler charge improves combustion efficiency and power output. This manifold is specifically tuned to move the engine's power band to a higher RPM range, typically from 1,500 RPM up to 6,500 RPM, compared to standard Performer Air-Gap manifolds. This characteristic makes it suitable for street and high-performance applications, providing improved acceleration and top-end power.

MAINTENANCE

The Edelbrock Performer RPM Air-Gap Intake Manifold is constructed from durable aluminum and requires minimal specific maintenance beyond general engine care. Regular engine maintenance, as recommended by your vehicle's manufacturer, will help ensure the longevity and optimal performance of all engine components, including the intake manifold.

- **Periodic Inspection:** Periodically inspect the manifold for any signs of leaks (coolant or vacuum), cracks, or damage. Check the integrity of all hose connections and accessory mounts.

- **Gasket Integrity:** Over time, intake manifold gaskets can degrade. If you notice signs of vacuum leaks (e.g., rough idle, poor fuel economy) or coolant leaks around the manifold, inspect and replace gaskets as necessary.
- **Cleaning:** Keep the exterior of the manifold clean to prevent buildup of dirt and debris, which can affect heat dissipation.

TROUBLESHOOTING

If you experience issues after installing the Edelbrock Performer RPM Air-Gap Intake Manifold, consider the following common troubleshooting steps:

Symptom	Possible Cause	Solution
Engine runs rough, poor idle	Vacuum leak at manifold gasket or hose connections.	Check all vacuum lines and manifold bolts for proper torque. Inspect and replace manifold gaskets if necessary.
Coolant leak around manifold	Improperly sealed manifold or damaged gasket.	Ensure manifold bolts are torqued correctly. Replace manifold gaskets and re-seal if needed.
Reduced engine performance	Incorrect carburetor tuning, timing issues, or other engine problems unrelated to manifold.	Verify carburetor tuning and ignition timing. Consult a professional for comprehensive engine diagnostics.
Accessory bracket fitment issues	Incorrect accessory brackets or mounting hardware.	Ensure you are using standard accessory brackets compatible with the manifold's design.

If troubleshooting steps do not resolve the issue, it is recommended to seek assistance from a certified automotive mechanic.

SPECIFICATIONS

Model: 7566
Brand: Edelbrock
Material: Aluminum
Finish: Natural (Satin)
Item Weight: Approximately 24.4 Pounds
Cross-Section: 3.3 square-inch runners
Power Band: 1,500-6,500 RPM
EGR Provision: None
Carburetor Compatibility: Accepts spread bore or square bore carburetors
Accessory Brackets: Includes nitrous bosses and accepts standard accessory brackets (A/C, alternator, coil mount)
UPC: 085347075669

WARRANTY INFORMATION

Specific warranty terms and conditions for the Edelbrock Performer RPM Air-Gap Intake Manifold are provided by the

manufacturer. Please refer to the official Edelbrock website or contact Edelbrock customer service for detailed warranty information, including coverage period and claim procedures. Retain your proof of purchase for warranty purposes.

SUPPORT AND CONTACT

For technical assistance, product inquiries, or further support regarding your Edelbrock Performer RPM Air-Gap Intake Manifold, please visit the official Edelbrock website or contact their customer support department directly.

Edelbrock Official Website: www.edelbrock.com

(Please note: This link is provided for informational purposes and may be subject to change by the manufacturer.)

© 2023 Edelbrock. All rights reserved. Information subject to change without notice.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question 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