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› Q Power Q Bomb Series 15 Inch Ported Car Subwoofer Sub Box Enclosure User Manual

Q Power QBOMB15VL SINGLE

Q Power Q Bomb Series 15 Inch Ported Car Subwoofer Sub Box Enclosure

Model: QBOMB15VL SINGLE

1. INTRODUCTION

The Q Power Q Bomb Series 15 Inch Ported Car Subwoofer Sub Box Enclosure is designed to provide optimal acoustic performance for a 15-inch subwoofer in a vehicle audio system. This enclosure features a single vented chamber design, constructed from high-quality 0.75-inch MDF wood, and finished with a durable black bedliner spray for enhanced longevity and resistance to environmental factors. It is engineered to deliver deep bass response and is tuned for specific frequency performance.



Figure 1.1: Front view of the Q Power Q Bomb 15 Inch Ported Subwoofer Enclosure, showcasing its robust construction and black bedliner finish.

2. SETUP AND INSTALLATION

Proper installation of the subwoofer into the enclosure and the enclosure into your vehicle is crucial for optimal performance and safety.

2.1 Subwoofer Installation

1. **Prepare the Subwoofer:** Ensure your 15-inch subwoofer is compatible with the enclosure's mounting depth (11 inches) and air space (3.85 cubic feet).
2. **Wiring:** Connect your subwoofer's speaker wires to the enclosure's high-quality spring-loaded terminal. Ensure correct polarity (positive to positive, negative to negative) for proper audio reproduction.
3. **Mounting:** Carefully place the subwoofer into the designated opening on the enclosure. Secure the subwoofer using appropriate screws, ensuring a tight seal to prevent air leaks.



Figure 2.1: Rear view of the enclosure, highlighting the spring-loaded terminal for secure and easy wiring connections.

2.2 Enclosure Placement in Vehicle

Position the enclosure securely in your vehicle's trunk or cargo area. Ensure it does not obstruct visibility or interfere with vehicle operation. It is recommended to secure the enclosure to prevent movement during driving, which could cause damage to the enclosure, subwoofer, or vehicle.



Figure 2.2: The Q Power Q Bomb enclosure positioned in a vehicle's trunk, demonstrating typical placement.

3. OPERATING CONSIDERATIONS

Once installed, the Q Bomb enclosure works in conjunction with your subwoofer and amplifier to produce bass frequencies. The enclosure is precisely tuned to 46 Hz to optimize bass response.

- **Amplifier Matching:** Ensure your amplifier's power output is appropriately matched to your subwoofer's power handling capabilities. Overpowering or underpowering can lead to poor performance or damage.
- **Gain Settings:** Adjust your amplifier's gain settings carefully to prevent distortion. Start with low gain and gradually increase until desired volume is achieved without audible distortion.
- **Crossover Settings:** Utilize your amplifier's low-pass filter (LPF) to send only low frequencies to the subwoofer,

typically set between 80 Hz and 120 Hz, depending on your system's overall sound.



Figure 3.1: Visual representation of key features, including the 46 Hz tuning, black bedliner, deep bass capability, and single vented chamber design.

4. MAINTENANCE

The Q Power Q Bomb enclosure is designed for durability with its black bedliner spray finish. Regular, simple maintenance will help preserve its appearance and structural integrity.

- **Cleaning:** Wipe the exterior of the enclosure with a damp cloth to remove dust and dirt. Avoid using harsh chemicals or abrasive cleaners, as these may damage the bedliner finish.
- **Inspection:** Periodically check all connections, including the subwoofer mounting screws and wiring terminals, to

ensure they remain secure. Loose connections can lead to poor sound quality or damage.

- **Environmental Protection:** While the bedliner finish offers resistance to weather and corrosion, avoid prolonged exposure to extreme temperatures or direct moisture to maximize the lifespan of the enclosure and the installed subwoofer.

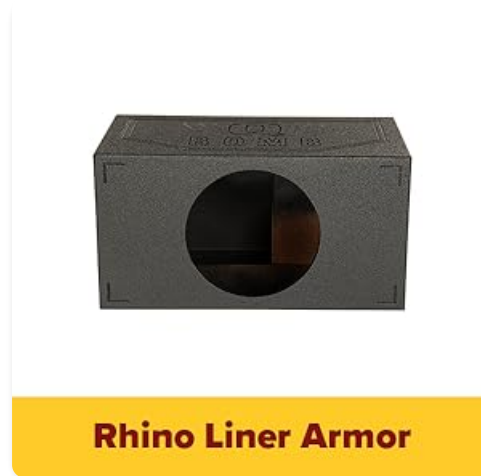


Figure 4.1: A close-up view of the durable Rhino Liner Armor finish, which provides protection against wear and tear.

5. TROUBLESHOOTING

If you experience issues with your subwoofer system, consider the following common troubleshooting steps:

- **No Sound from Subwoofer:**
 - Check all wiring connections from the amplifier to the enclosure terminal, and from the terminal to the subwoofer. Ensure they are secure and correctly polarized.
 - Verify the amplifier is powered on and receiving a signal from the head unit.
 - Check the amplifier's fuse and power connections.
- **Distorted Sound:**
 - Reduce the amplifier's gain setting.
 - Ensure the subwoofer is not overdriven. Lower the volume on your head unit.
 - Check for loose mounting screws on the subwoofer or any rattling within the enclosure.
- **Weak Bass Output:**
 - Verify the subwoofer's polarity is correct. Incorrect polarity can cause phase cancellation.
 - Check amplifier settings, including gain and low-pass filter.
 - Ensure the subwoofer is properly sealed within the enclosure.

6. SPECIFICATIONS

Detailed specifications for the Q Power Q Bomb Series 15 Inch Ported Car Subwoofer Sub Box Enclosure:

Feature	Specification
Model Name	QBOMB15VL SINGLE
Speaker Type	Subwoofer Enclosure
Subwoofer Diameter Compatibility	15 Inches
Product Dimensions (W x H x D)	32"W x 17"H x 17"D
Item Weight	42 Pounds
Mounting Depth	11 Inches
Air Space	3.85 Cubic Feet
Middle Slot Port Dimensions	3 Inches Wide x 15 Inches Tall
Tuning Frequency	46 Hz
Construction Material	0.75-inch MDF Wood
Finish	Black Bedliner Spray
Connectivity	Spring Loaded Terminal

Dimensions



Air Space
3.85 cubic feet

Mounting Depth
11"

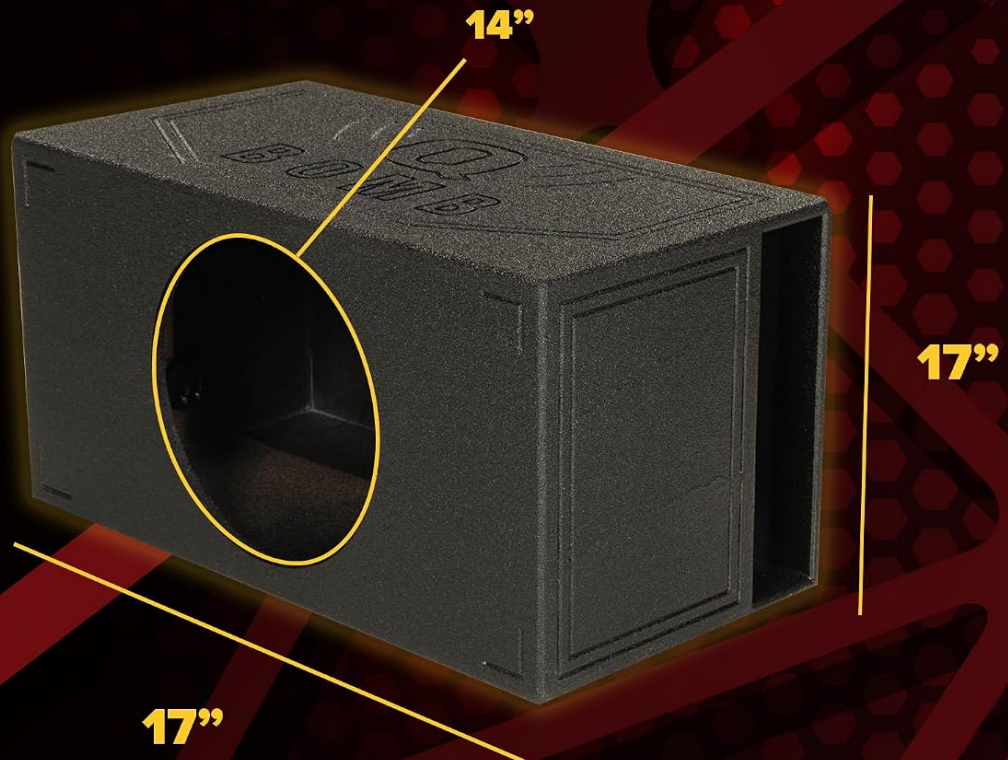


Figure 6.1: Dimensional diagram of the Q Power Q Bomb enclosure, indicating width, height, and depth.

7. WARRANTY INFORMATION

This product comes with a Limited Warranty. For specific details regarding the duration and terms of the warranty, please refer to the documentation provided with your purchase or contact the retailer from whom the product was acquired. Keep your proof of purchase for warranty claims.

8. SUPPORT

For further assistance, technical support, or inquiries not covered in this manual, please contact Q Power customer service or the authorized dealer where you purchased the product. Provide your product model number (QBOMB15VL SINGLE) and any relevant purchase information when seeking support.

You may also visit the official Q Power website for additional resources and contact information.

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.

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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.

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