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HERTZ SV-200L

Hertz SPL Show Series SV-200L Woofers

USER MANUAL

Introduction

Welcome to the user manual for your new Hertz SPL Show Series SV-200L 8-inch woofers. These high-performance woofers are engineered to deliver exceptional sound pressure levels (SPL) and robust bass response, making them ideal for car audio enthusiasts and competition systems. This manual provides essential information for proper installation, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your product. Please read this manual thoroughly before installation and use.

Product Overview



Image: A pair of Hertz SPL Show Series SV-200L 8-inch woofers, showcasing their robust design and black finish.

Key Features

- **Component SPL Woofer:** Designed for high sound pressure level applications.
- **8-inch (200mm) Diameter:** Optimal size for powerful bass reproduction in vehicle environments.
- **4-Ohm Impedance:** Compatible with a wide range of car audio amplifiers.
- **Ultra-light Pressed Paper Cone:** Ensures dynamic and responsive bass.
- **Ferrite Magnet:** Provides strong magnetic flux for high efficiency and power handling.
- **500 Watts Peak Power:** Capable of handling significant power for intense audio experiences.
- **Durable Construction:** Built to withstand the demands of high-performance car audio systems.

What's in the Box

- 2 x Hertz SPL Show Series SV-200L 8-inch Woofers

Installation Guide

Proper installation is crucial for the performance and longevity of your Hertz SV-200L woofers. It is highly recommended that installation be performed by a qualified car audio professional. Incorrect wiring or mounting can lead to damage to the woofers, amplifier, or vehicle's electrical system.

Mounting Considerations

Ensure the mounting location provides adequate space and structural integrity to support the woofers. Consider the enclosure type (sealed, ported) and volume for optimal bass response. Refer to the dimensions diagram for precise measurements.

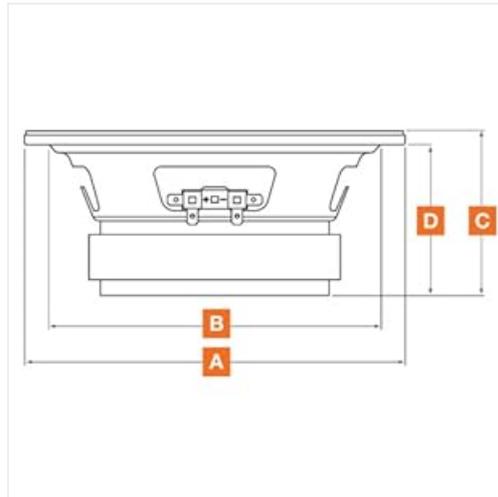


Image: Technical diagram illustrating the dimensions of the Hertz SV-200L woofer, including mounting depth and diameter.

Wiring and Connections

Connect the woofers to a suitable amplifier capable of delivering sufficient power at 4-Ohm impedance. Ensure correct polarity (+ to + and - to -) to avoid phase issues and ensure proper sound reproduction. Use high-quality speaker wire of appropriate gauge for the power levels involved.



Image: Bottom view of a Hertz SV-200L woofer, highlighting the speaker terminals for wiring connections.

- **Amplifier Matching:** Select an amplifier that can provide adequate RMS power to the woofers without exceeding their maximum power handling.
- **Impedance:** The SV-200L woofers have a 4-Ohm impedance. Ensure your amplifier is stable at this load.
- **Crossover Settings:** Utilize your amplifier's or head unit's low-pass filter (LPF) to send only bass frequencies to the woofers. A typical starting point for the LPF is around 80-100 Hz, but this may vary based on your system's other

components.

Operation

Once installed, careful tuning of your audio system is essential for optimal performance and to prevent damage. Start with low volume levels and gradually increase them while listening for any signs of distortion.

- **Gain Setting:** Set the amplifier gain correctly to match the output voltage of your head unit. Do not use the gain control as a volume knob; it should be set to prevent clipping (distortion).
- **Phase Alignment:** Experiment with the phase setting (0° or 180°) on your amplifier or head unit to achieve the most impactful and coherent bass response with your other speakers.
- **Equalization:** Use your system's equalizer to fine-tune the bass frequencies. Avoid excessive boosting of bass frequencies, especially at high volumes, as this can lead to distortion and damage.
- **Break-in Period:** Allow a break-in period of several hours of moderate listening before pushing the woofers to their limits. This allows the suspension components to loosen up and perform optimally.

Maintenance

Regular, simple maintenance can help preserve the performance and appearance of your woofers.

- **Cleaning:** Use a soft, dry cloth to gently wipe away dust from the cone and surround. Avoid using harsh chemicals or abrasive materials.
- **Environmental Protection:** Protect the woofers from direct exposure to excessive moisture, extreme temperatures, and direct sunlight, which can degrade materials over time.
- **Connection Checks:** Periodically inspect wiring connections to ensure they are secure and free from corrosion. Loose connections can lead to signal loss or intermittent sound.

Troubleshooting

If you experience issues with your Hertz SV-200L woofers, consult the following common troubleshooting steps. If the problem persists, contact a qualified car audio technician.

Problem	Possible Cause	Solution
No Sound from Woofer	<ul style="list-style-type: none">◦ Loose or disconnected wiring◦ Amplifier not powered on or in protect mode◦ Incorrect amplifier gain setting◦ Blown fuse in amplifier or vehicle	<ul style="list-style-type: none">◦ Check all speaker and power connections.◦ Verify amplifier power and status indicators.◦ Adjust amplifier gain appropriately.◦ Inspect and replace any blown fuses.
Distorted Sound	<ul style="list-style-type: none">◦ Amplifier gain set too high (clipping)◦ Incorrect crossover settings◦ Woofer overdriven or damaged◦ Poor enclosure design	<ul style="list-style-type: none">◦ Reduce amplifier gain until distortion disappears.◦ Adjust LPF to prevent higher frequencies from reaching the woofer.◦ Reduce volume. If damage is suspected, consult a professional.◦ Ensure enclosure is sealed and properly sized.

Problem	Possible Cause	Solution
Weak or Muffled Bass	<ul style="list-style-type: none"> Incorrect wiring polarity Insufficient amplifier power Incorrect phase setting Suboptimal enclosure 	<ul style="list-style-type: none"> Verify correct positive and negative connections. Ensure amplifier provides adequate power. Toggle phase setting (0°/180°) on amplifier/head unit. Consult enclosure design guidelines.

Technical Specifications

Specification	Value
Model Name	SV-200L
Speaker Type	Woofer
Recommended Uses For Product	Car audio systems, particularly for SPL competitions
Subwoofer Diameter	8 Inches (200mm)
Unit Count	1.0 Count (per woofer)
Included Components	2 x Speaker
Product Dimensions	7.87"D x 7.87"W x 3.23"H
Item Weight	5.1 Pounds (per woofer)
Impedance	4 Ohm
Number of Items	2 (in pair)
Speaker Maximum Output Power	500 Watts
Mounting Type	Car Mount
Cone Material	Ultra-light Pressed Paper
Magnet Type	Ferrite

Warranty and Support

The Hertz SPL Show Series SV-200L woofers come with a **Limited Warranty**. Please refer to the warranty documentation provided with your purchase for specific terms and conditions, including coverage duration and claim procedures. For technical assistance, installation questions, or warranty claims, please contact your authorized Hertz dealer or the manufacturer's customer support. Keep your proof of purchase for warranty validation.

For further information and support, you may visit the official HERTZ website or contact their customer service department.

Related Documents - SV-200L

	<p>Hertz SPL Show COMP Series Car Speakers - Owner's Manual, Specifications, and Installation Guide</p> <p>Download the official Hertz SPL Show COMP Series owner's manual. Get detailed specifications, installation instructions, warranty information, and safety guidelines for Hertz SV 165.1, SV 200.1, SV 200L, and SV 250.1 car audio speakers.</p>
	<p>Hertz SPL Show Series Owner's Manual - Car Audio Installation and Specifications</p> <p>Comprehensive owner's manual for Hertz SPL Show Series car audio components, including installation guides, safety information, technical specifications, and warranty details. Covers models like SX 690 Neo, SV series, and ST series.</p>
	<p>Hertz SPL Show Series Car Audio Speakers - Owner's Manual and Specifications</p> <p>Comprehensive owner's manual and technical specifications for the Hertz SPL Show series car audio speakers and drivers. Includes installation guides, safety information, warranty details, dimensions, wiring diagrams, and electro-acoustic parameters for models like ST 25K Neo, SV 165.1, SX 690 Neo, and more.</p>



[Hertz SP 4.500 SPL Show User's Manual](#)

User's manual for the Hertz SP 4.500 SPL Show D-Class Mono Amplifier, detailing installation, connections, technical specifications, and safety precautions.



[Hertz MP 15K UNLIMITED Advanced Manual](#)

This advanced manual provides comprehensive details on the Hertz MP 15K UNLIMITED car amplifier, covering its features, installation, operation modes, technical specifications, and connection guidelines.



[Hertz Uno S 300 S4 Subwoofer Owner's Manual](#)

Comprehensive owner's manual for the Hertz Uno S 300 S4 subwoofer, detailing installation, technical specifications, and enclosure design.