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› Audiopipe TSAR15 15-inch Woofer Instruction Manual

Audiopipe TSAR15

Audiopipe TSAR15 15-inch Woofer Instruction Manual

Model: TSAR15

INTRODUCTION

Thank you for choosing the Audiopipe TSAR15 15-inch Woofer. This manual provides essential information for the proper installation, operation, and maintenance of your new car audio component. Please read this manual thoroughly before attempting installation or use to ensure optimal performance and safety.

SAFETY INFORMATION

Always observe the following safety precautions:

- Disconnect the vehicle's negative battery terminal before beginning any electrical work to prevent short circuits and electrical shock.
- Ensure all wiring is properly insulated and secured to prevent damage from vibration or abrasion.
- Consult a professional car audio installer if you are unsure about any part of the installation process.
- Prolonged exposure to high sound pressure levels can cause permanent hearing damage. Use caution when adjusting volume levels.
- Do not operate the woofer beyond its specified power handling capabilities to prevent damage.

PACKAGE CONTENTS

Please check the contents of your package:

- 1 x Audiopipe TSAR15 15-inch Woofer
- Mounting Hardware (screws, washers - may vary)
- This Instruction Manual

INSTALLATION (SETUP)

Proper installation is crucial for the performance and longevity of your woofer. The TSAR15 is designed for in-car audio systems and requires a suitable enclosure.

Enclosure Requirements:

- The woofer must be mounted in a sealed or ported enclosure designed for a 15-inch driver. Refer to your enclosure

manufacturer's recommendations for optimal volume and port tuning.

- Ensure the enclosure is constructed from sturdy material (e.g., MDF) and is airtight to prevent air leaks.

Mounting Steps:

1. Carefully place the woofer into the cutout of your enclosure. Ensure it sits flush.
2. Align the mounting holes on the woofer frame with the pre-drilled holes on the enclosure.
3. Secure the woofer using the provided mounting screws. Tighten screws evenly in a cross pattern to ensure a uniform seal and prevent warping of the frame. Do not overtighten.

WIRING (OPERATING)

The Audiopipe TSAR15 is a Single Voice Coil (SVC) woofer with a 4 Ohm impedance. Proper wiring to your amplifier is critical.

Single Woofer, Single Voice Coil (SVC) Wiring:

- Connect the positive (+) terminal of the woofer to the positive (+) output terminal of your amplifier.
- Connect the negative (-) terminal of the woofer to the negative (-) output terminal of your amplifier.
- Ensure all connections are secure and free from corrosion. Use appropriate gauge speaker wire for your power levels and wire run length.

Important: Verify that your amplifier is stable at a 4 Ohm load. Refer to your amplifier's instruction manual for impedance compatibility.

OPERATION

Initial Power-Up and Break-In:

After installation, gradually introduce power to the woofer. A break-in period of several hours at moderate volume levels is recommended. This allows the woofer's suspension components to loosen up, leading to improved performance and longevity.

Amplifier Settings:

- **Gain Setting:** Adjust the amplifier's gain control carefully. Start with the gain at its minimum and slowly increase it until the desired volume is achieved without distortion. Do not use the gain control as a volume knob.
- **Low-Pass Filter (LPF):** Set your amplifier's LPF to filter out high frequencies, typically between 60Hz and 100Hz, depending on your system and preference. This ensures the woofer only reproduces bass frequencies.
- **Subsonic Filter (HPF):** If your amplifier has a subsonic filter, set it slightly below your enclosure's tuning frequency (for ported enclosures) or around 20-30Hz (for sealed enclosures) to protect the woofer from over-excursion at very low frequencies.

MAINTENANCE

The Audiopipe TSAR15 woofer requires minimal maintenance:

- Periodically inspect the woofer cone and surround for any signs of damage or wear.
- Ensure all mounting screws remain tight.
- Keep the woofer free from dust and debris. Use a soft, dry cloth for cleaning. Do not use harsh chemicals or excessive moisture.

TROUBLESHOOTING

If you experience issues with your Audiopipe TSAR15 woofer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Sound	Loose or incorrect wiring, amplifier off, amplifier protection mode, damaged woofer.	Check all wiring connections. Verify amplifier is powered on and not in protection mode. Test woofer with another known good amplifier if possible.
Distorted Sound	Amplifier gain too high, improper crossover settings, damaged woofer, enclosure issues.	Reduce amplifier gain. Adjust LPF and subsonic filter settings. Inspect woofer for physical damage. Check enclosure for air leaks.
Woofer Overheating	Underpowered amplifier, overdriven amplifier, incorrect impedance match.	Ensure amplifier power matches woofer's RMS rating. Do not clip the amplifier. Verify amplifier is stable at 4 Ohms.

If these steps do not resolve the issue, please contact Audiopipe customer support.

SPECIFICATIONS

Model	TSAR15
Speaker Type	Woofer
Size	15 Inches
Maximum Output Power	1000 Watts
Impedance	4 Ohm Single Voice Coil (SVC)
Mounting Type	Car Mount
Cone Material	Metal/Polypropylene
Compatible Devices	Amplifier, Car Audio System
Specific Uses	In-car audio systems
Item Weight	16.5 Pounds

WARRANTY AND SUPPORT

The Audiopipe TSAR15 woofer comes with a **Limited Warranty**. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Audiopipe website. For technical support, troubleshooting assistance, or warranty claims, please contact Audiopipe customer service through their official channels. You can often find support information on the [Audiopipe Store on Amazon](#) or their official website.

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