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› Vibrant Performance 17950 Stainless Steel Resonator User Manual

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Vibrant Performance 17950 Stainless Steel Resonator User Manual

Model: 17950

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Vibrant Performance 17950 Stainless Steel Resonator. This product is designed to modify exhaust sound characteristics and reduce unwanted drone in automotive exhaust systems. Please read this manual thoroughly before proceeding with any installation or use.

2. PRODUCT OVERVIEW

The Vibrant Performance 17950 is a high-quality stainless steel resonator engineered for durability and effective exhaust sound management. It features a round body design with a 3-inch inlet and outlet diameter, suitable for various vehicle-specific applications.



Figure 2.1: Front view of the Vibrant Performance 17950 Stainless Steel Resonator, showcasing its polished finish and inlet/outlet connections.

3. SPECIFICATIONS

Model Number	17950
Brand	Vibrant Performance
Material	Stainless Steel
Inlet Diameter	3.00 inches
Outlet Diameter	3.00 inches
Resonator Body Shape	Round
Resonator Body Size	5.00 inches (Round Body)
Overall Length	18 inches
Item Weight	5.54 pounds
Automotive Fit Type	Vehicle Specific Fit
UPC	690092167394

4. SAFETY INFORMATION

Working with automotive exhaust systems involves potential hazards. Adhere to the following safety guidelines:

- Always wear appropriate personal protective equipment, including safety glasses and gloves.
- Ensure the vehicle is securely supported on jack stands or a lift before working underneath.

- Allow the exhaust system to cool completely before handling to prevent burns.
- Exercise caution with sharp edges and tools.
- **Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
- Professional installation by a certified automotive technician is highly recommended.

5. INSTALLATION/SETUP

The Vibrant Performance 17950 Resonator is designed for integration into an existing exhaust system. Installation typically involves cutting and welding. Due to the specialized tools and expertise required, professional installation is strongly advised.

5.1. Required Tools and Materials (Not Included)

- Welding equipment (MIG/TIG welder)
- Grinder or exhaust pipe cutter
- Measuring tape and marking tools
- Safety gear (welding helmet, gloves, fire-resistant clothing)
- Vehicle lift or jack stands

5.2. General Installation Steps

1. **Preparation:** Ensure the vehicle is cool and securely lifted. Identify the section of the exhaust system where the resonator will be installed.
2. **Measurement and Cutting:** Carefully measure the required length for the resonator. Mark and precisely cut the existing exhaust pipe to accommodate the resonator. Ensure clean, straight cuts.
3. **Fitting:** Position the Vibrant 17950 resonator into the cut section of the exhaust pipe. Ensure proper alignment and fitment. The resonator is designed for a 3-inch slip-fit connection.
4. **Welding:** Securely weld the resonator into place. Ensure full, leak-free welds around both the inlet and outlet connections.
5. **Inspection:** After welding, allow the system to cool. Inspect all welds for integrity and check for any exhaust leaks.
6. **Final Check:** Lower the vehicle and perform a final inspection of the installed resonator and surrounding components.





Figure 5.1: Side view of the resonator, illustrating its overall length and cylindrical body.

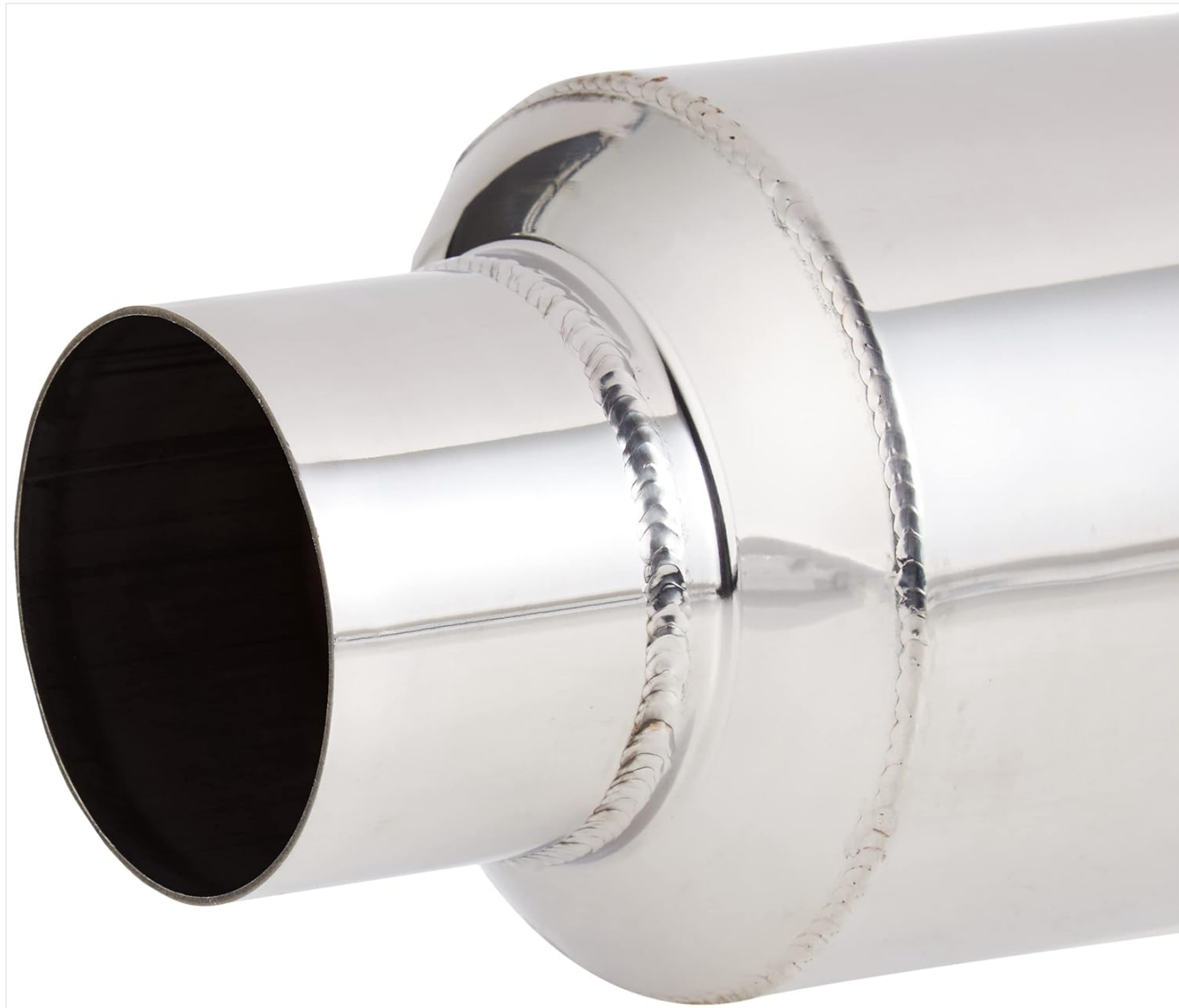


Figure 5.2: Close-up of the resonator's inlet/outlet, showing the weld quality and connection design.

6. OPERATION

Once installed, the Vibrant Performance 17950 Resonator functions as an integral part of the vehicle's exhaust system. Its internal design helps to cancel out specific sound frequencies, primarily targeting exhaust drone, while allowing for efficient exhaust gas flow. The effect on exhaust sound will vary depending on the vehicle, engine type, and other exhaust components.

7. MAINTENANCE

The Vibrant Performance 17950 Resonator requires minimal maintenance due to its stainless steel construction.

- **Regular Inspection:** Periodically inspect the resonator and its welds for any signs of damage, cracks, or exhaust leaks. Address any issues promptly to maintain optimal performance and safety.
- **Cleaning:** The exterior of the resonator can be cleaned with standard automotive cleaning products if desired. Avoid abrasive cleaners that may scratch the finish.

8. TROUBLESHOOTING

Should you encounter issues after installation, consider the following:

- **Exhaust Leaks:** If you detect a hissing sound or exhaust fumes, re-inspect all welded connections for leaks. Leaks can significantly alter exhaust sound and performance.
- **Rattling Noise:** Ensure the resonator is securely mounted and not contacting any other vehicle components. Check for loose hangers or clamps if applicable.
- **Unexpected Sound:** The final exhaust sound is a combination of all exhaust components. If the sound is not as expected, verify the resonator was installed correctly and consider other components in the exhaust path.

For persistent issues, consult with a professional automotive technician.

9. WARRANTY

Vibrant Performance products are typically covered by a manufacturer's warranty against defects in materials and workmanship. For specific warranty terms, conditions, and claim procedures, please refer to the official Vibrant Performance website or contact their customer service directly. Keep your proof of purchase for warranty claims.

10. SUPPORT

For technical assistance, product inquiries, or support regarding your Vibrant Performance 17950 Resonator, please visit the official Vibrant Performance website or contact their customer support department. When contacting support, have your product model number (17950) and purchase information readily available.

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

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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

