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› Vibrant Performance (1168) 4" Stainless Steel Exhaust Seal Clamp User Manual

Vibrant Performance VIB1168

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Model: VIB1168

1. PRODUCT OVERVIEW

The Vibrant Performance Accuseal Clamp is designed to provide a secure and leak-free seal for exhaust system connections. Its unique design allows for high clamping loads without permanently deforming exhaust components, facilitating future disassembly and service.

This clamp is constructed from durable 430 Stainless Steel, ensuring resistance to corrosion and high temperatures commonly found in automotive exhaust environments.



Figure 1: Vibrant Performance 4" Stainless Steel Exhaust Seal Clamp. This image shows the clamp in its assembled state, highlighting the stainless steel construction and the bolt mechanism used for tightening.

Key Features:

- Designed for 4" O.D. (Outer Diameter) tubing.
- Features a 1.25" wide band for effective sealing.
- Constructed from T430 Stainless Steel for durability and corrosion resistance.
- Allows for non-destructive disassembly for future maintenance.

2. SETUP AND INSTALLATION

Proper installation of the Vibrant Performance Accuseal Clamp is critical for ensuring a secure and leak-free exhaust connection. Follow these steps carefully:

1. **Preparation:** Ensure that the exhaust pipes or components to be joined are clean, free of burrs, and have compatible outer diameters (O.D.) for the 4" clamp.
2. **Positioning:** Slide the Accuseal Clamp over one of the exhaust pipe ends. Ensure the clamp is positioned correctly to bridge the joint between the two pipes once they are connected.
3. **Joining Pipes:** Bring the two exhaust pipe ends together, ensuring they are fully seated and aligned. The clamp

should be centered over the joint.

- 4. **Tightening:** Using an appropriate wrench, gradually tighten the bolt on the clamp. Apply even pressure to ensure the clamp seals uniformly around the joint.
- 5. **Torque Specification:** Tighten the clamp to the recommended torque of **55 +/- 8 Nm (Newton-meters)**. Using a torque wrench is highly recommended to prevent over-tightening, which can damage the clamp or exhaust components, or under-tightening, which can lead to leaks.
- 6. **Verification:** After tightening, visually inspect the clamp to ensure it is seated properly and the joint appears sealed.

Note: Always refer to your vehicle's service manual or a professional mechanic if you are unsure about any installation steps or specific torque requirements for your exhaust system.

3. OPERATING INSTRUCTIONS

The Vibrant Performance Accuseal Clamp is a passive component designed to maintain a secure connection in your exhaust system. Once properly installed and torqued, it operates by continuously applying sealing pressure to the joint. No active operation is required after installation. The clamp's design allows it to withstand the vibrations and thermal expansion/contraction inherent in an exhaust system while maintaining its seal.

4. MAINTENANCE

The Vibrant Performance Accuseal Clamp is designed for minimal maintenance due to its durable stainless steel construction. However, periodic inspection is recommended to ensure continued performance:

- **Visual Inspection:** Periodically check the clamp for any signs of corrosion, cracks, or deformation. Ensure the bolt and nut are still securely fastened.
- **Leak Check:** Listen for any exhaust leaks around the clamped joint, especially after driving. A common method is to feel for exhaust gases escaping or use soapy water to detect bubbles.
- **Re-torque (if necessary):** If any looseness or signs of leakage are detected, re-torque the clamp to the specified 55 +/- 8 Nm. Avoid over-tightening.
- **Cleaning:** If the clamp becomes excessively dirty, it can be wiped clean with a damp cloth. Avoid harsh chemicals that could potentially damage the stainless steel finish.

The Accuseal design allows for easy disassembly if exhaust components need to be serviced or replaced. Simply loosen the clamp bolt, separate the pipes, perform the necessary service, and then re-install and re-torque the clamp as per the installation instructions.

5. TROUBLESHOOTING

Most issues related to exhaust clamps stem from improper installation or damage. Here are common troubleshooting scenarios:

Problem	Possible Cause	Solution
Exhaust Leak at Clamp Joint	◦ Insufficient torque ◦ Improper alignment of pipes ◦ Damaged clamp or exhaust components ◦ Incorrect clamp size	◦ Re-torque to 55 +/- 8 Nm ◦ Re-align pipes and re-install clamp ◦ Inspect clamp and pipes for damage; replace if necessary ◦ Ensure clamp matches pipe O.D. (4")

Problem	Possible Cause	Solution
Clamp Appears Loose	◦ Vibration over time ◦ Initial under-tightening	◦ Re-torque to specification ◦ Inspect for any underlying issues causing excessive vibration
Difficulty Disassembling Joint	◦ Excessive corrosion ◦ Over-tightening (unlikely with Accuseal, but possible)	◦ Apply penetrating oil to bolt/nut ◦ Gently tap clamp to loosen (avoid damaging pipes) ◦ If severely corroded, clamp may need to be cut off and replaced

6. SPECIFICATIONS

Product Name	Vibrant Performance 4" Stainless Steel Exhaust Seal Clamp
Model Number	VIB1168 (Manufacturer Part Number: 1168)
Material	T430 Stainless Steel
Tubing O.D. Compatibility	4 inches
Band Width	1.25 inches
Recommended Torque	55 +/- 8 Nm (Newton-meters)
Item Weight	7.2 ounces
Manufacturer	Vibrant
UPC	690092127572

7. WARRANTY AND SUPPORT

Vibrant Performance products are manufactured to high standards. For specific warranty information regarding the Vibrant Performance Accuseal Clamp, please refer to the official Vibrant Performance website or contact their customer support directly.

For technical assistance, installation queries, or product support, please contact Vibrant Performance customer service through their official channels. Always provide your product model number (VIB1168) and any relevant purchase details when seeking support.

Manufacturer Contact Information: Please visit the official Vibrant Performance website for the most current contact details.

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.

Submit question