

Flowmaster 70SER/BB2 250

Flowmaster 70SER/BB2 250 Performance Muffler User Manual

Model: 70SER/BB2 250 (Part Number: 52557)

Brand: Flowmaster

1. INTRODUCTION

Thank you for choosing the Flowmaster 70SER/BB2 250 Performance Muffler. This manual provides essential information for the proper installation, operation, and maintenance of your new muffler. Designed for enhanced exhaust flow and a distinctive sound, this product is engineered with quality and performance in mind. Please read this manual thoroughly before installation and keep it for future reference.

2. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1 x Flowmaster 70SER/BB2 250 Performance Muffler
- (Additional mounting hardware, clamps, or pipes may be sold separately or included with specific kits.)

3. IMPORTANT SAFETY INFORMATION

Always prioritize safety when working on your vehicle. Failure to follow these safety guidelines may result in injury or damage to property.

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the vehicle is securely supported on jack stands or a lift before working underneath it. Never rely solely on a jack.
- Allow the exhaust system to cool completely before attempting any work. Hot exhaust components can cause severe burns.
- Work in a well-ventilated area.

- If you are unsure about any step of the installation process, consult a qualified automotive professional.
- Keep children and pets away from the work area.

4. SETUP AND INSTALLATION

The Flowmaster 70SER/BB2 250 muffler is designed for direct replacement or custom exhaust applications. Professional installation is highly recommended due to the specialized tools and expertise required.

4.1 Pre-Installation Checks

1. Confirm the muffler's inlet and outlet sizes match your vehicle's exhaust piping.
2. Inspect the muffler for any shipping damage.
3. Gather all necessary tools: wrenches, sockets, cutting tools (if needed), exhaust hangers, and clamps.

4.2 Installation Steps (General Guide)

These steps are a general guide. Specific vehicle applications may vary.

1. Safely lift and support the vehicle.
2. Locate the existing muffler. Apply penetrating oil to rusted bolts and hangers if necessary.
3. Carefully remove the old muffler by unbolting or cutting the exhaust pipe as needed. Support the exhaust system to prevent it from falling.
4. Clean and deburr any cut pipe ends.
5. Position the new Flowmaster muffler, ensuring correct orientation for inlet and outlet.
6. Secure the muffler using appropriate clamps or by welding. Ensure a tight, leak-free seal.
7. Reattach or replace exhaust hangers as needed to support the new muffler securely.
8. Lower the vehicle and check for proper clearance from other vehicle components.
9. Start the engine and check for exhaust leaks. Tighten clamps or re-weld as necessary.



Figure 1: The Flowmaster 70SER/BB2 250 Performance Muffler. This image shows the rectangular body of the muffler with an inlet pipe on one end and an outlet pipe on the other, designed for optimal exhaust flow and sound enhancement.

5. OPERATING CHARACTERISTICS

The Flowmaster 70SER/BB2 250 muffler is a performance-oriented exhaust component. Once installed, you will notice a change in your vehicle's exhaust note, typically a deeper, more aggressive tone. The internal design is optimized to improve exhaust gas scavenging, which can contribute to better engine efficiency and horsepower. No specific user operation is required for the muffler itself once installed. Its function is passive, working continuously as the engine runs.

6. MAINTENANCE

Flowmaster mufflers are designed for durability and require minimal maintenance. However, periodic inspection is recommended to ensure longevity and optimal performance.

- **Visual Inspection:** Periodically inspect the muffler and exhaust system for signs of rust, cracks, dents, or loose connections.

- **Hanger Check:** Ensure all exhaust hangers are intact and securely holding the system in place. Worn or broken hangers can lead to excessive movement and damage.
- **Leak Detection:** Listen for any unusual hissing or puffing sounds, which may indicate an exhaust leak. Leaks can reduce performance and increase noise.
- **Cleaning:** The exterior of the muffler can be cleaned with mild soap and water if desired. Avoid harsh chemicals that could damage the finish.

7. TROUBLESHOOTING

If you experience issues after installing your Flowmaster muffler, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Excessive Noise / Rattling	Loose clamps, exhaust leak, muffler hitting chassis, worn hangers.	Check and tighten all clamps. Inspect for leaks and repair. Verify muffler clearance and adjust hangers or position if necessary. Replace worn hangers.
Unusual Vibrations	Muffler or exhaust pipe contacting vehicle frame/body, misaligned installation.	Inspect for contact points and adjust muffler position or hangers to create clearance. Re-align the exhaust system if needed.
Reduced Performance	Significant exhaust leak, internal muffler damage (rare).	Check for and repair any exhaust leaks. If performance issues persist and are directly attributable to the muffler, contact Flowmaster support.

If troubleshooting steps do not resolve the issue, please contact Flowmaster customer support.

8. SPECIFICATIONS

Model: 70SER/BB2 250

Part Number: 52557

Manufacturer: FLOWMASTER

Item Weight: 17 pounds

Product Dimensions (L x W x H):24 x 5.7 x 10.8 inches

Vehicle Service Type: Car

ASIN: B003TPGKAC

Date First Available: June 23, 2010

9. WARRANTY AND CUSTOMER SUPPORT

9.1 Warranty Information

Flowmaster products are manufactured to high standards and are backed by a limited warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the warranty documentation included with your purchase or visit the official Flowmaster website. Keep your proof of purchase for warranty claims.

9.2 Customer Support

If you have any questions, require technical assistance, or need to initiate a warranty claim, please contact Flowmaster customer support:

Website: www.flowmastermufflers.com

Phone: Refer to the Flowmaster website for current contact numbers.

Email: Refer to the Flowmaster website for current contact email.

When contacting support, please have your product model number (70SER/BB2 250) and part number (52557) ready.