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Bosal 287-089

Bosal 287-089 Central Muffler User Manual

Model: 287-089

1. Introduction

Thank you for choosing the Bosal 287-089 Central Muffler. This manual provides essential information for the proper installation, operation, and maintenance of your new automotive exhaust component. Please read this manual thoroughly before beginning any installation or maintenance procedures to ensure safety and optimal performance.

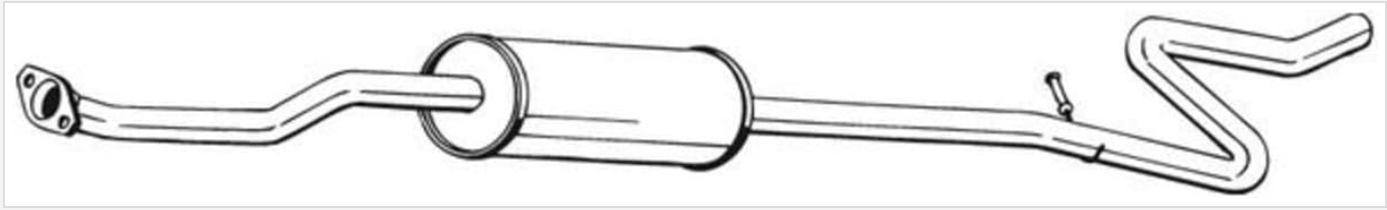
2. Safety Information

Always prioritize safety when working on your vehicle's exhaust system. Failure to follow safety precautions can result in serious injury or damage to the vehicle.

- 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 handling. Hot exhaust components can cause severe burns.
- Work in a well-ventilated area to avoid exposure to exhaust fumes.
- If you are unsure about any step, consult a qualified mechanic.

3. Product Components

The Bosal 287-089 Central Muffler is designed as a direct replacement component for your vehicle's exhaust system. It includes the main muffler body and integrated piping for connection.



This image displays a line drawing of the Bosal 287-089 Central Muffler, showing its elongated cylindrical body, connecting pipes, and mounting flange at one end. The pipe extends from the muffler, bends, and includes a hanger point.

Please inspect all parts upon receipt to ensure no damage occurred during shipping and that all necessary assembly parts are present.

4. Installation Guide

This section outlines the general steps for installing the Bosal 287-089 Central Muffler. Specific vehicle requirements may vary. Refer to your vehicle's service manual for detailed instructions.

1. **Preparation:** Park the vehicle on a level surface and engage the parking brake. Lift the vehicle using a jack and secure it with jack stands. Allow the exhaust system to cool completely.
2. **Remove Old Muffler:** Locate the existing central muffler. Use a penetrating lubricant on rusted bolts and hangers. Disconnect the muffler from the catalytic converter or front pipe and the rear exhaust pipe. Carefully remove the old muffler from its hangers.
3. **Inspect and Clean:** Inspect the connecting pipes and hangers for damage or excessive corrosion. Clean any mating surfaces to ensure a proper seal.
4. **Install New Muffler:** Position the new Bosal 287-089 Central Muffler. Connect it to the existing exhaust pipes, ensuring proper alignment. Secure all connections with new clamps or bolts as required.
5. **Secure Hangers:** Attach the muffler to the vehicle's exhaust hangers. Ensure the muffler is securely supported and does not contact any other vehicle components.
6. **Check for Leaks:** Start the engine and check for any exhaust leaks at the connections. Tighten clamps or bolts as necessary.
7. **Final Check:** Turn off the engine. Lower the vehicle safely. Perform a final visual inspection to ensure everything is properly installed and secured.

5. Operation

The Bosal 287-089 Central Muffler operates as a passive component within your vehicle's exhaust system. Its primary function is to reduce exhaust noise and direct exhaust gases away from the vehicle's cabin. Once installed, no further user interaction is required for its operation.

6. Maintenance

The Bosal 287-089 Central Muffler is designed for durability and requires minimal maintenance. Regular inspection is recommended to ensure its longevity and proper function.

- **Periodic Inspection:** During routine vehicle maintenance (e.g., oil changes), visually inspect the muffler and exhaust system for signs of rust, cracks, holes, or loose connections.
- **Check Hangers:** Ensure all exhaust hangers are intact and securely holding the muffler in place. Replace any worn or broken hangers.
- **Listen for Changes:** Pay attention to any changes in exhaust noise, which could indicate a leak or damage to the muffler or pipes.
- **Cleanliness:** While not typically necessary, you can clean the exterior of the muffler if it becomes excessively dirty, ensuring no debris accumulates around it.

7. Troubleshooting

If you experience issues with your exhaust system after installing the Bosal 287-089 Central Muffler, refer to the following common problems and solutions:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Loud exhaust noise	Exhaust leak at connections, damaged muffler, or loose hangers.	Check all connections for tightness. Inspect muffler for holes or cracks. Secure or replace loose/broken hangers.
Rattling or banging sound	Muffler or pipes contacting vehicle chassis, loose heat shield, or broken hanger.	Inspect for contact points and adjust muffler position. Secure heat shields. Replace broken hangers.
Exhaust fumes in cabin	Significant exhaust leak, often at a connection point or a crack in the pipe/muffler.	Immediately inspect the entire exhaust system for leaks. Repair or replace affected components. Do not drive with exhaust fumes in the cabin.

If troubleshooting steps do not resolve the issue, it is recommended to consult a professional mechanic.

8. Specifications

Key specifications for the Bosal 287-089 Central Muffler:

- **Brand:** Bosal
- **Model Number:** 287-089
- **Item Weight:** 10.49 pounds
- **Product Dimensions:** 14.8 x 9.66 x 8.37 inches
- **Manufacturer Part Number:** 287-089
- **OEM Part Number:** OE: Citroen%1717AQ; Citroen%1717R9; CITROÃ‹N:1717.AQ;CITROÃ‹N:1717.R9
- **First Available Date:** October 9, 2014

9. Warranty Information

Bosal products are manufactured to high-quality standards. For specific warranty terms and conditions applicable to the 287-089 Central Muffler, please refer to the warranty documentation provided with your purchase or visit the official Bosal website. Keep your proof of purchase for warranty claims.

10. Customer Support

For technical assistance, installation questions, or warranty inquiries regarding your Bosal 287-089 Central Muffler, please contact Bosal customer support through their official website or authorized distributors. Provide your product model number and purchase details when contacting support.
Official Website: www.bosal.com (Please note: This is a placeholder URL. Refer to your product packaging for the correct official website or contact information.)

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