

Bosch 1425703012

Bosch 1425703012 Connecting Flange Instruction Manual

Model: 1425703012

1. INTRODUCTION

This manual provides essential information for the proper handling, installation, and maintenance of the Bosch 1425703012 Connecting Flange. This component is designed as an Original Equipment Manufacturer (OEM) replacement part for automotive exhaust systems. Please read these instructions thoroughly before proceeding with installation or use.

2. PRODUCT OVERVIEW

The Bosch 1425703012 Connecting Flange is a critical component used to join sections of an automotive exhaust system. Its primary function is to ensure a secure, leak-free connection, which is vital for maintaining exhaust system integrity and proper vehicle emissions control. As an OEM part, it is manufactured to Bosch's stringent quality standards, ensuring compatibility and performance equivalent to the original factory component.



Figure 1: Bosch 1425703012 Connecting Flange. This image displays the physical appearance and design of the connecting flange, highlighting its structure for joining exhaust pipes.

3. SAFETY INFORMATION

Always observe the following safety precautions when working with automotive components:

- 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.

- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Work in a well-ventilated area to avoid exposure to exhaust fumes.
- If unsure about any installation step, consult a qualified automotive technician.

4. INSTALLATION (SETUP)

The Bosch 1425703012 Connecting Flange is designed for direct replacement. Professional installation is recommended to ensure proper fitment and sealing.

1. **Preparation:** Ensure the vehicle's exhaust system is cool. Safely lift and support the vehicle. Identify the section of the exhaust system where the flange will be installed.
2. **Removal of Old Flange (if applicable):** Carefully remove any existing damaged or worn flange and associated hardware. Clean the mating surfaces of the exhaust pipes to remove rust, carbon deposits, or old gasket material.
3. **Gasket Placement:** If a gasket is required (often sold separately or included with specific kits), place it correctly between the mating surfaces of the exhaust pipes.
4. **Flange Positioning:** Position the new Bosch connecting flange over the exhaust pipes, ensuring proper alignment.
5. **Hardware Installation:** Insert new bolts and nuts (not typically included with the flange itself) through the flange and pipe holes. Hand-tighten all hardware.
6. **Tightening:** Gradually tighten the bolts in a crisscross pattern to ensure even pressure and a secure, leak-free seal. Refer to vehicle-specific torque specifications if available. Avoid over-tightening, which can damage the flange or bolts.
7. **Inspection:** After installation, visually inspect the connection for proper alignment and tightness. Start the engine and check for any exhaust leaks (e.g., by listening for hissing sounds or using a smoke test).

5. USAGE CONSIDERATIONS

Once installed, the connecting flange operates as an integral part of the exhaust system. Proper installation ensures its long-term performance. It is designed to withstand high temperatures and vibrations inherent in an automotive exhaust environment. Ensure that all connections are free from leaks to maintain optimal engine performance and emissions compliance.

6. MAINTENANCE

The Bosch 1425703012 Connecting Flange is a durable component, but like all exhaust parts, it is subject to wear and corrosion over time. Regular inspection during routine vehicle maintenance is recommended:

- **Visual Inspection:** Periodically check the flange for signs of rust, cracks, or deformation.
- **Leak Detection:** Listen for unusual exhaust noises, which may indicate a leak at the flange connection.
- **Hardware Check:** Ensure all bolts and nuts remain tight. Re-tighten if necessary, but avoid over-tightening.

If significant corrosion or damage is observed, replacement of the flange and associated gaskets/hardware may be necessary.

7. COMMON ISSUES (TROUBLESHOOTING)

While the connecting flange itself is a passive component, issues typically arise from improper installation or long-term wear:

- **Exhaust Leaks:** Indicated by a hissing sound, especially under acceleration, or visible exhaust gases

escaping from the connection. This often points to an improperly seated gasket, loose bolts, or a damaged flange.

- **Rattling Noises:** May occur if the flange bolts are loose, allowing movement between exhaust sections.
- **Corrosion/Rust:** Over time, exposure to road salt and moisture can lead to corrosion, weakening the flange and potentially causing leaks or structural failure.

If any of these issues are detected, inspect the flange and surrounding components. Replacement of the flange and new gaskets/hardware is usually the solution for leaks or significant damage.

8. SPECIFICATIONS

Attribute	Value
Brand	Bosch
Model Number	1425703012
Manufacturer Part Number	1425703012
Item Weight	30 kg
Parcel Dimensions	1 x 1 x 1 cm
ASIN	B00C7P2EY6
First Available	July 5 2023

9. WARRANTY AND SUPPORT

As an Original Equipment Manufacturer (OEM) part, the Bosch 1425703012 Connecting Flange is covered by Bosch's standard manufacturer warranty for automotive replacement parts. Specific warranty terms and duration may vary by region and retailer. Please retain your proof of purchase.

For technical support, warranty claims, or further assistance, please contact Bosch customer service or the authorized retailer from whom the product was purchased. Refer to Bosch's official website for contact information and detailed warranty policies.

Bosch Official Website: www.bosch.com