

MOOG K5241

MOOG K5241 Suspension Stabilizer Bar Bushing Kit Instruction Manual

Brand: MOOG | Model: K5241

PRODUCT OVERVIEW

The MOOG K5241 Suspension Stabilizer Bar Bushing Kit is engineered to provide reliable performance for your vehicle's suspension system. These bushings are critical components that help maintain the stability and handling characteristics of the vehicle by securing the stabilizer bar.

This kit is designed with superior materials and undergoes rigorous testing to ensure durability and a long service life. MOOG's innovative design aims for straightforward installation and optimal function.



Image: A pair of MOOG K5241 suspension stabilizer bar bushings, showcasing their design and material.

PREMIUM MATERIALS

Made from high-quality natural rubber material for durability and ride performance.



Image: Highlighting the premium natural rubber material used in MOOG bushings, designed for durability and ride performance.

EXTENDED SERVICE LIFE

Less prone to splitting, discoloring or cracking with age for long life



Image: Illustrating the extended service life of the bushings, which are less prone to splitting, discoloring, or cracking over time.

HIGHLY PRECISE ENGINEERING

Optimized for quiet operation and resistance to wear, salt, road grime and oils



Image: Demonstrating the precise engineering of the bushings, optimized for quiet operation and resistance to wear, salt, road grime, and oils.

Key Features:

- **Premium Materials:** Manufactured from high-quality natural rubber for enhanced durability and ride performance.
- **Extended Service Life:** Designed to resist splitting, discoloring, or cracking, ensuring longevity.
- **Highly Precise Engineering:** Optimized for quiet operation and protection against wear, salt, road grime, and oils.
- **Rigorous Trials:** Subjected to comprehensive evaluation by MOOG engineers during design and development.
- **Comprehensive Coverage:** Available for a wide range of foreign and domestic vehicle applications.

INSTALLATION GUIDE

Installation of suspension components requires mechanical knowledge and appropriate tools. It is highly recommended that installation be performed by a qualified technician. Always refer to your vehicle's specific service manual for detailed instructions and torque specifications.

Safety Precautions:

- Ensure the vehicle is securely supported on jack stands or a lift. Never work under a vehicle supported only by a jack.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Disconnect the battery if working near electrical components.
- Be aware of hot engine components and exhaust systems.

General Installation Steps:

1. **Preparation:** Park the vehicle on a level surface, engage the parking brake, and block the wheels. Lift the vehicle and support it safely.
2. **Access Stabilizer Bar:** Locate the stabilizer bar and the existing bushings. Depending on the vehicle, this may require removing other components for access.
3. **Remove Old Bushings:** Loosen and remove the bolts securing the stabilizer bar bushing brackets. Carefully remove the old, worn bushings.
4. **Inspect Components:** Inspect the stabilizer bar for any damage, corrosion, or bends. Ensure the mounting surfaces are clean and free of debris.

5. **Install New Bushings:** Position the new MOOG K5241 bushings onto the stabilizer bar. *Important: Install these bushings without lubricant, as per manufacturer recommendations, to ensure proper grip and function.*
6. **Secure Brackets:** Reinstall the stabilizer bar bushing brackets over the new bushings. Align the brackets and start the bolts by hand to prevent cross-threading.
7. **Tighten Bolts:** Torque the bracket bolts to the vehicle manufacturer's specified torque settings. Ensure even tightening to properly seat the bushings.
8. **Final Checks:** Lower the vehicle. Perform a visual inspection to ensure all components are correctly installed and secured. Test drive the vehicle in a safe area to confirm proper handling and no unusual noises.

Note on Fitment: Some users have reported that the internal diameter of the bushings may require slight modification (e.g., sanding) to achieve optimal fitment, particularly for certain older vehicle models or specific sway bar diameters. This ensures the bushing can compress sufficiently for the bracket bolts to align and tighten correctly.

FUNCTION AND OPERATION

The stabilizer bar, also known as an anti-roll bar or sway bar, is a part of a vehicle's suspension system that helps reduce body roll during cornering. It connects opposite wheels (typically the front two) through short lever arms linked by a torsion spring. The MOOG K5241 bushings provide the necessary pivot points for this bar, allowing it to rotate smoothly while minimizing unwanted movement and noise.

Properly functioning stabilizer bar bushings ensure that the stabilizer bar can effectively transfer force between the wheels, keeping the vehicle flatter during turns and improving overall handling and ride comfort. Worn bushings can lead to excessive body roll, clunking noises, and reduced steering response.

MAINTENANCE

MOOG K5241 bushings are designed for long-term durability. Regular maintenance involves periodic inspection rather than routine replacement. It is recommended to inspect your vehicle's suspension components, including stabilizer bar bushings, during routine service intervals or whenever you notice changes in handling or hear unusual noises.

Inspection Points:

- **Visual Check:** Look for signs of cracking, splitting, hardening, or excessive wear on the rubber material.
- **Movement:** Check for excessive play or movement of the stabilizer bar within the bushings.
- **Noise:** Listen for squeaking, clunking, or rattling noises coming from the suspension, especially over bumps or during turns, which can indicate worn bushings.

If any signs of wear or damage are observed, replacement of the bushings is recommended to maintain vehicle safety and performance.

TROUBLESHOOTING COMMON ISSUES

Issues related to stabilizer bar bushings often manifest as changes in vehicle handling or audible noises. Identifying these symptoms can help determine if the bushings require attention.



Symptom 1

Symptom 1: Loose or unresponsive steering, indicated by excessive play in the steering wheel.



Symptom 2

Symptom 2: Steering wheel vibration, which can be felt through the steering column.



Symptom 3

Symptom 3: Vehicle instability, particularly noticeable during turns or when driving over uneven surfaces.



Symptom 4

Symptom 4: Uneven tire wear, which can be a secondary effect of compromised suspension components.

Other Potential Issues:

- **Squeaking Noises:** Often heard when going over speed bumps or uneven roads, indicating dry or worn bushings.
- **Clunking or Rattling:** Can occur when the stabilizer bar has excessive play due to severely worn bushings.
- **Increased Body Roll:** The vehicle leans more than usual when turning, indicating reduced effectiveness of the stabilizer bar.

If you experience any of these symptoms, it is advisable to have your vehicle's suspension system inspected by a qualified mechanic.

SPECIFICATIONS

Attribute	Detail
Manufacturer	MOOG Chassis Products
Brand	MOOG
Model	Sway Bar Bushing Kit
Item Model Number	K5241
Item Weight	5.6 ounces
Product Dimensions	4.1 x 3.6 x 1.9 inches
Position	Center
OEM Part Number	K5241

WARRANTY INFORMATION




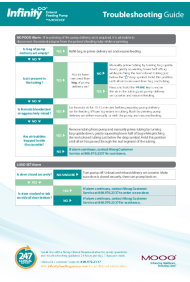
Specific warranty details for the MOOG K5241 Suspension Stabilizer Bar Bushing Kit are provided by the manufacturer. For comprehensive information regarding warranty coverage, terms, and conditions, please refer to the official MOOG website or contact MOOG customer service directly. It is important to retain your proof of purchase for any warranty claims.

CUSTOMER SUPPORT

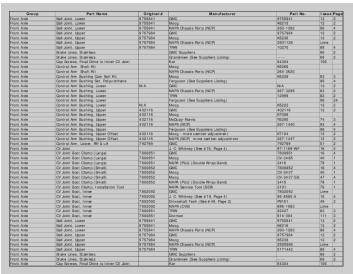
For technical assistance, product inquiries, or support regarding your MOOG K5241 Suspension Stabilizer Bar Bushing Kit, please contact MOOG customer support. You can typically find contact information, including phone numbers and online support portals, on the official MOOG website. Visit the official MOOG Store for more information and products:[MOOG Store on Amazon](#)



Related Documents

	<p>Moog Minimoog Voyager Analog Synthesizer User Manual - Setup, Features, and Operation</p> <p>Comprehensive user manual for the Moog Minimoog Voyager analog synthesizer, covering setup, connections, components, user interface, synthesis basics, MIDI implementation, and technical specifications.</p>
	<p>Moog Curlin 6000 Series PCA Therapy Clinician Guide</p> <p>Comprehensive clinician guide for the Moog Curlin 6000 Series Ambulatory Infusion Pump, detailing PCA therapy setup, programming, options, and troubleshooting.</p>
	<p>Build Your Own Minimoog Model D Paper Synth</p> <p>A comprehensive guide to building a paper model of the iconic Moog Minimoog Model D synthesizer. This DIY project includes printable templates and step-by-step assembly instructions for creating your own miniature replica.</p>
	<p>Infinity Enteral Feeding Pump Troubleshooting Guide</p> <p>Troubleshooting guide for the Moog Infinity Enteral Feeding Pump, covering common alarms like NO FOOD, LOAD SET, ER01-ER99, and charging issues. Provides step-by-step solutions for common problems.</p>

Documents - MOOG – K5241



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64304 K5269 264-3623 K5229 N/A 267-3302 12999 K5225 402116 K7009 FB293

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