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Bilstein 36-226153

Bilstein B3 Front Coil Spring User Manual

Model: 36-226153 | Brand: Bilstein

1. INTRODUCTION

This manual provides essential information for the Bilstein B3 OE Replacement Front Coil Spring, model 36-226153, designed for specific Mercedes-Benz E320 vehicles (2003-2009, 3.2L/3.0L). The Bilstein B3 coil spring is engineered to restore original ride comfort and handling characteristics, meeting or exceeding manufacturer standards for quality and performance.



Image: A set of black Bilstein B3 Front Coil Springs, showcasing their robust construction and design. These springs are designed for optimal vehicle suspension performance.

2. PRODUCT FEATURES

- **Uncompromising Comfort and Driving Characteristics:** Engineered to provide a smooth and stable ride, enhancing overall vehicle comfort.
- **Rapid Adjustment to Road and Driving Conditions:** Designed to adapt quickly to varying road surfaces and

driving dynamics for consistent performance.

- **Constant Damping Power Under Any Load:** Maintains consistent suspension performance regardless of vehicle load, ensuring safety and stability.
- **High Power Reserves for Maximum Safety:** Built with robust materials and design to handle extreme conditions and provide reliable safety.
- **High Quality:** Manufactured to stringent quality standards, ensuring durability and long-term performance.

3. WHAT'S IN THE BOX

Your package should contain:

- One (1) Bilstein B3 OE Replacement Front Coil Spring (Model: 36-226153)

Please inspect the contents immediately upon receipt to ensure all components are present and undamaged. Contact your supplier if any items are missing or damaged.

4. SETUP AND INSTALLATION

Installation of automotive suspension components requires specialized tools and knowledge. It is highly recommended that the Bilstein B3 Front Coil Spring be installed by a qualified automotive technician.

General Installation Guidelines:

1. **Safety First:** Ensure the vehicle is securely lifted and supported on jack stands. Disconnect the battery if working near electrical components.
2. **Component Removal:** Carefully remove the existing front coil spring assembly, following the vehicle manufacturer's service manual. Use appropriate spring compressors to safely decompress the old spring.
3. **Inspection:** Inspect all related suspension components (strut, mounts, bushings, control arms) for wear or damage and replace as necessary.
4. **New Spring Installation:** Compress the new Bilstein B3 coil spring using a suitable spring compressor. Install it onto the strut assembly, ensuring proper alignment and seating.
5. **Reassembly:** Reinstall the complete strut assembly into the vehicle, tightening all fasteners to the vehicle manufacturer's specified torque values.
6. **Final Checks:** After installation, perform a wheel alignment to ensure proper vehicle handling and tire wear. Test drive the vehicle in a safe area to confirm correct operation.

Refer to your vehicle's specific service manual for detailed, step-by-step instructions and torque specifications.

5. OPERATING CHARACTERISTICS

The Bilstein B3 Front Coil Spring is designed to restore the original ride height and handling dynamics of your Mercedes-Benz E320. You should experience:

- Improved ride comfort over various road conditions.
- Stable and predictable handling, especially during cornering and braking.
- Reduced body roll and enhanced vehicle control.
- Consistent performance under different load conditions.

6. MAINTENANCE

Coil springs are generally maintenance-free components. However, regular inspection of your vehicle's suspension

system is crucial for longevity and safety.

Recommended Checks:

- **Visual Inspection:** Periodically inspect the coil springs for any signs of damage, such as cracks, corrosion, or deformation. Check for proper seating in their mounts.
- **Associated Components:** Examine surrounding components like struts/shocks, strut mounts, control arm bushings, and ball joints for wear, leaks, or looseness.
- **Cleanliness:** Keep the suspension area free from excessive dirt, salt, and debris, which can accelerate corrosion.

Any unusual noises, changes in ride height, or handling characteristics should prompt an immediate inspection by a qualified technician.

7. TROUBLESHOOTING

While Bilstein B3 coil springs are designed for reliability, issues can sometimes arise from related suspension components or improper installation.

Symptom	Possible Cause	Solution
Uneven Ride Height	Incorrect spring installation, worn strut mount, or damaged spring.	Verify proper installation; inspect and replace worn components.
Excessive Bouncing/Poor Ride	Worn or faulty shock absorber/strut (not the coil spring itself).	Inspect and replace shock absorbers/struts.
Clunking/Squeaking Noises	Loose fasteners, worn bushings, or improper seating of the spring.	Check all fasteners for tightness; inspect and replace worn bushings; ensure spring is seated correctly.

If you experience persistent issues, it is advisable to consult a professional automotive technician for diagnosis and repair.

8. SPECIFICATIONS

Brand: Bilstein

Model: Bilstein B3 03-09 Mercedes-Benz E320 3.2L/3.0L Replacement Front Coil Spring (36-226153)

Part Number: 36-226153

Auto Part Position: Front

Material: Alloy Steel

Item Weight: 6.5 pounds

Vehicle Service Type: Car

Compatible OEM Part Numbers: K+F:319 564 00, SUPLEX:19303, KYB:RG3161, CS Germany:14.319.586, SPIDAN:85216, SACHS:998 657, MEYLE:014 639 0002, RUVILLE:895140, TRW:JCS736, OPTIMAL:AF-2879, MONROE:SP3446, LESJÖFORS:4056842, KILEN:17193, TRISCAN:8750 2383

9. WARRANTY AND SUPPORT

Bilstein products are known for their quality and durability. For specific warranty information regarding your Bilstein B3 Front Coil Spring (Model 36-226153), please refer to the warranty documentation included with your purchase or visit the official Bilstein website. Warranty terms typically cover manufacturing defects.

For technical support, installation inquiries, or warranty claims, please contact Bilstein customer service or your authorized Bilstein dealer. Providing your product model number (36-226153) and purchase details will help expedite your request.



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