

## Bilstein 19-213736

# Bilstein 19-213736 B4 OE Replacement Rear Right Shock Absorber User Manual

For Mini Countryman (2011-2016) and Mini Paceman (2013-2016)

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## 1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Bilstein 19-213736 B4 OE Replacement Rear Right Shock Absorber. Please read this manual thoroughly before attempting any installation or service to ensure safety and optimal performance of the product.

## 2. PRODUCT OVERVIEW

The Bilstein 19-213736 is a B4 OE Replacement gas pressure shock absorber designed for the rear right axle of specific Mini models. It is engineered to restore original ride quality and performance, providing a comfortable and stable driving experience.

### Key Features:

- **Fitting Position:** Rear axle, Right side.
- **Shock Absorber Mounting Type:** Features a bottom eye and top pin mounting configuration.
- **Shock Absorber Type:** Gas pressure design for consistent performance.



Image 2.1: The Bilstein 19-213736 B4 OE Replacement Rear Right Shock Absorber, showcasing its overall design and mounting points.

### 3. VEHICLE COMPATIBILITY

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This shock absorber is specifically designed for the following vehicle applications:

- Mini Countryman (2011-2016)
- Mini Paceman (2013-2016)

Always verify compatibility with your specific vehicle's make, model, and year using the manufacturer's part finder or by consulting a qualified automotive technician.

### 4. SAFETY INFORMATION

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Working with automotive suspension components can be hazardous. Adhere to all safety precautions to prevent injury or damage.

- **Professional Installation Recommended:** Installation should ideally be performed by a certified automotive technician.
- **Personal Protective Equipment:** Always wear appropriate safety glasses, gloves, and other personal protective equipment.
- **Vehicle Support:** Ensure the vehicle is securely supported on jack stands or a lift before working underneath it. Never rely solely on a jack.
- **Spring Compressors:** If coil springs need to be compressed, use appropriate and properly maintained spring compressors. Exercise extreme caution as compressed springs store significant energy.
- **Torque Specifications:** Always tighten fasteners to the vehicle manufacturer's specified torque values.
- **Gas Pressure:** Shock absorbers are gas-pressurized. Do not attempt to open, heat, or puncture the unit.

### 5. INSTALLATION GUIDE

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This section provides a general overview of the installation process. Refer to your vehicle's specific service manual for detailed, model-specific instructions and torque specifications.

#### Required Tools (Typical):

- Vehicle jack and jack stands
- Wheel chocks
- Socket wrench set
- Open-end wrench set
- Torque wrench
- Penetrating oil (optional, for rusted fasteners)

#### Installation Steps (General):

1. **Prepare Vehicle:** Park the vehicle on a level surface, engage the parking brake, and chock the front wheels. Loosen the lug nuts on the rear right wheel.
2. **Lift Vehicle:** Safely raise the rear of the vehicle using a jack and secure it with jack stands. Remove the rear right wheel.
3. **Locate Shock Absorber:** Identify the existing shock absorber on the rear right side.

#### 4. Remove Old Shock:

- Support the lower control arm or axle assembly with a jack to relieve tension on the shock.
- Unbolt the upper mounting pin and lower eye bolt of the old shock absorber.
- Carefully remove the old shock absorber from the vehicle.

#### 5. Install New Shock:

- Position the new Bilstein shock absorber into place.
  - Attach the upper mounting pin and lower eye bolt, hand-tightening them initially.
  - Ensure all bushings and washers are correctly seated.
6. **Torque Fasteners:** Lower the vehicle slightly so the suspension is at its normal ride height (or as specified by the vehicle manufacturer for final torque). Tighten all mounting bolts to the vehicle manufacturer's specified torque values using a torque wrench.
7. **Reassemble:** Reinstall the wheel, tighten lug nuts to specification, remove jack stands, and lower the vehicle completely.
8. **Final Check:** Test drive the vehicle at low speeds to ensure proper function and listen for any unusual noises.



Image 5.1: The Bilstein 19-213736 shock absorber shown with its product packaging, indicating it is ready for installation.



Image 5.2: A top-down view of the Bilstein 19-213736 shock absorber, highlighting the upper mounting pin and overall construction.



Image 5.3: A side view of the Bilstein 19-213736 shock absorber, showing the full length and mounting points.

## 6. OPERATION (FUNCTION)

Shock absorbers are critical components of a vehicle's suspension system. Their primary function is to dampen the oscillations of the springs, controlling the movement of the vehicle's body and wheels. This results in improved ride comfort, better handling, and enhanced tire contact with the road surface. The Bilstein B4 OE Replacement shock absorber is designed to restore the original damping

characteristics of your vehicle, ensuring that the suspension operates as intended by the vehicle manufacturer.

## 7. MAINTENANCE

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Shock absorbers are generally maintenance-free components. However, regular inspection of your vehicle's suspension system is recommended to ensure longevity and safety.

- **Visual Inspection:** Periodically inspect the shock absorbers for signs of leaks (oil residue), damage to the housing, bent rods, or worn bushings.
- **Mounting Points:** Check all mounting bolts and nuts for tightness. Re-torque if necessary according to vehicle specifications.
- **Surrounding Components:** Inspect other suspension components such as springs, control arms, and sway bar links for wear or damage.
- **Cleaning:** Keep the shock absorber free from excessive dirt and debris, especially around the shaft and seals.



Image 7.1: A close-up view of the lower mounting eye of the Bilstein 19-213736 shock absorber, showing the robust construction and attachment point.

## 8. TROUBLESHOOTING

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If you experience issues after installation or during the lifespan of the shock absorber, consider the following common problems and potential solutions:

Symptom	Possible Cause	Solution
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Symptom	Possible Cause	Solution
Excessive Bouncing/Poor Ride Quality	Worn or defective shock absorber, incorrect installation.	Inspect for leaks or damage. Ensure proper installation and torque. Replace if defective.
Clunking/Rattling Noises	Loose mounting bolts, worn bushings, damaged shock.	Check and re-torque all mounting hardware. Inspect bushings for wear. Replace shock if damaged.
Oil Leaks from Shock	Damaged seal, internal failure.	A leaking shock absorber indicates failure and requires replacement.
Uneven Ride Height	Incorrect spring installation (if applicable), other suspension component issues.	Verify spring seating. Inspect other suspension components.

If troubleshooting steps do not resolve the issue, consult a qualified automotive technician.

## 9. SPECIFICATIONS

Attribute	Detail
Brand	Bilstein
Model Number	19-213736
Auto Part Position	Rear, Right
Shock Absorber Type	Gas Pressure
Mounting Type (Top)	Pin
Mounting Type (Bottom)	Eye
Exterior Finish	Black
Vehicle Service Type	Car
Item Weight	1.89 pounds
Product Dimensions	14.01 x 6.48 x 3.96 inches
OEM Part Number	33 52 9 807 020
GTIN	04025258701659

## 10. WARRANTY AND SUPPORT

Bilstein products are manufactured to high-quality standards and typically come with a manufacturer's warranty against defects in materials and workmanship. The specific terms and duration of the warranty may vary by region and product type.

For detailed warranty information, claims, or technical support, please refer to the official Bilstein website or contact their customer service directly. Keep your proof of purchase for warranty purposes.

**Bilstein Official Website:** [www.bilstein.com](http://www.bilstein.com)

**Customer Support:** Refer to the contact section on the official website for phone numbers or email support.