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Bilstein 24-145985

Bilstein B8 Front Sport Shock Absorber Instruction Manual

Model: 24-145985 for Audi A4, A5, Q5

1. PRODUCT OVERVIEW

This manual provides essential information for the installation, operation, and maintenance of your Bilstein B8 Front Sport Shock Absorber. The Bilstein B8 series is designed for enhanced performance and is a direct fit for specific Audi models.



Image 1.1: The Bilstein B8 Front Sport Shock Absorber. This component is a monotube, spring-bearing shock absorber designed for the front axle of compatible Audi vehicles.

2. PRODUCT FEATURES

- **Monotube Design:** Provides consistent performance and fade-free operation.
- **Sport Tuning:** Engineered for sportier handling and improved road feedback.
- **Vehicle Specific Fit:** Designed for Audi A4, A5, and Q5 models (B8 chassis).
- **Durable Construction:** Made from stainless steel with a silver exterior finish for longevity.
- **Front Axle Application:** Specifically for the front position of the vehicle.



Image 2.1: Bilstein B8 Front Sport Shock Absorber shown with its original packaging, highlighting the brand's commitment to quality.

3. SETUP AND INSTALLATION

Installation of shock absorbers requires specialized tools and automotive knowledge. It is highly recommended that this product be installed by a qualified automotive technician.

3.1 Pre-Installation Checks

- Verify that the shock absorber model (24-145985) is correct for your specific Audi A4, A5, or Q5 model.
- Inspect the shock absorber for any signs of shipping damage.
- Ensure all necessary mounting hardware is available.

3.2 General Installation Steps (Consult Service Manual)

1. Safely lift and support the vehicle on a level surface.
2. Remove the wheel from the corner where the shock is to be replaced.
3. Carefully disconnect any brake lines, ABS sensors, or sway bar links attached to the strut assembly.
4. Unbolt the lower mounting points of the existing shock absorber.
5. Access and unbolt the upper mounting points from the engine bay or wheel well.
6. Remove the old shock absorber assembly.
7. Transfer any reusable components (e.g., spring, top mount, dust boot) to the new Bilstein B8 shock absorber, using appropriate spring compressors if necessary.
8. Install the new Bilstein B8 shock absorber, securing the upper and lower mounting points to manufacturer specifications.
9. Reconnect all disconnected components.
10. Reinstall the wheel and lower the vehicle.
11. Perform a wheel alignment after installation to ensure proper vehicle handling and tire wear.



Image 3.1: Side view of the Bilstein B8 shock absorber, illustrating its compact design and mounting points.



Image 3.2: Close-up of the shock absorber's piston rod and upper mounting hardware, critical components for secure installation.

4. OPERATING CONSIDERATIONS

After installation, the Bilstein B8 Front Sport Shock Absorbers will provide a firmer, more controlled ride compared to standard shock absorbers. This is characteristic of sport-tuned suspension components. Allow a short break-in period for the new shocks to settle. Pay attention to any unusual noises or handling characteristics immediately after installation and consult your installer if concerns arise.

5. MAINTENANCE

Bilstein B8 shock absorbers are designed for long-term durability with minimal maintenance. However, regular inspection is recommended as part of your vehicle's routine service schedule.

- **Visual Inspection:** Periodically check the shock absorbers for signs of fluid leaks, physical damage, or corrosion.
- **Mounting Points:** Ensure all mounting bolts are securely tightened.

- **Dust Boots:** Inspect dust boots for tears or damage, as they protect the piston rod from contaminants.



Image 5.1: Close-up of the Bilstein B8 shock absorber body, showing the durable yellow finish and product labeling.

6. TROUBLESHOOTING

If you experience issues after installing your Bilstein B8 Front Sport Shock Absorbers, consider the following common troubleshooting steps:

- **Unusual Noises:** Check all mounting hardware for proper torque. Ensure no components are rubbing against each other.
- **Poor Handling/Uneven Ride:** Verify that the correct shock absorber was installed on each side. Confirm that a wheel alignment was performed after installation.
- **Fluid Leaks:** A small amount of oil residue can be normal, but significant fluid leakage indicates a seal failure. In such cases, the shock absorber may need replacement.

For persistent issues, consult with a certified automotive technician or contact Bilstein customer support.

7. SPECIFICATIONS

Specification	Detail
Brand	Bilstein
Model Number	24-145985
Auto Part Position	Front
Vehicle Service Type	Car (Audi A4, A5, Q5)
Type of Construction	Spring-bearing shock absorber (Monotube)
Material	Stainless Steel
Exterior Finish	Silver
Item Weight	7.13 pounds
Product Dimensions	61.02 x 269.69 x 61.02 inches (approximate packaging)
Extended Length	19.84 Inches
Manufacturer Part Number	24-145985
ASIN	B0068NQREG
Date First Available	March 5, 2013



Image 7.1: Angled view of the Bilstein B8 shock absorber, showcasing its overall construction and finish.

8. WARRANTY AND SUPPORT

For specific warranty information regarding your Bilstein B8 Front Sport Shock Absorber, please refer to the documentation included with your product or visit the official Bilstein website. For technical support or assistance with installation, it is recommended to contact Bilstein customer service directly or consult with a certified automotive professional.