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- › [Bilstein](#) /
- › [Bilstein 24-100595 36mm Monotube Shock Absorber User Manual](#)

Bilstein 24-100595

Bilstein 24-100595 36mm Monotube Shock Absorber User Manual

Model: 24-100595 | Brand: Bilstein

INTRODUCTION

Welcome to the instruction manual for your Bilstein 24-100595 36mm Monotube Shock Absorber. This document provides essential information regarding the product's features, installation, maintenance, and specifications to ensure proper use and longevity. Please read this manual thoroughly before installation and operation.

SAFETY INFORMATION

WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and reproductive harm. For more information, go to www.P65Warnings.ca.gov.

Always wear appropriate personal protective equipment (PPE), such as safety glasses and gloves, during installation and maintenance. Consult a qualified professional if you are unsure about any installation steps or safety procedures.

PRODUCT OVERVIEW

The Bilstein 24-100595 is a 36mm monotube shock absorber designed for specific vehicle applications. It is engineered to provide consistent performance and improved handling characteristics for compatible vehicles.



Image Description: A black Bilstein 36mm monotube shock absorber is displayed horizontally, accompanied by a bolt, two metal washers, two rubber bushings, and a nut, representing the complete assembly.

SETUP AND INSTALLATION

This shock absorber is designed for direct-fit installation on compatible vehicles. While hardware for installation is typically included, professional installation is recommended to ensure proper fitment and safety.

Included Components

Verify that all components are present and undamaged before beginning installation.



Image Description: A close-up view of the hardware components included with the shock absorber: a bolt with a washer, a larger metal washer, a large rubber bushing, a smaller rubber bushing, and a nut.

General Installation Guidelines

(Always consult your vehicle-specific service manual for detailed installation steps and torque specifications.)

1. Safely lift and support the vehicle using jack stands or a hoist, ensuring stability according to manufacturer specifications.
2. Remove the existing shock absorber by unbolting its upper and lower mounting points.
3. Install the new Bilstein 24-100595 shock absorber. Ensure all bushings, washers, and nuts are correctly oriented and torqued to the vehicle manufacturer's specifications.
4. Lower the vehicle carefully and perform a final inspection of all installed components.
5. It is recommended to perform a wheel alignment after replacing suspension components to ensure optimal vehicle handling and tire wear.

OPERATION AND PERFORMANCE

Once properly installed, the Bilstein 24-100595 monotube shock absorber will function automatically to control suspension movement. It provides enhanced damping characteristics, contributing to improved vehicle stability, handling, and ride comfort.

Expected Performance Characteristics:

- Consistent damping force across various road conditions.
- Reduced body roll during cornering and braking.
- Improved tire contact with the road surface for better traction.

No specific user interaction is required for the operation of the shock absorber itself after correct installation.

MAINTENANCE

Bilstein shock absorbers are designed for durability and typically require minimal maintenance. Regular inspections are crucial for ensuring continued performance and safety.

- Periodically inspect the shock absorbers for any signs of fluid leaks, physical damage (e.g., bent rod, dented body), or wear on the bushings.
- Ensure all upper and lower mounting bolts are securely tightened to the vehicle manufacturer's specifications.
- Clean any accumulated dirt, mud, or debris from the shock body to prevent premature wear of seals and components.

Replace the shock absorber if any significant damage, persistent fluid leakage, or noticeable degradation in performance is observed.

TROUBLESHOOTING

If you experience issues after installing your Bilstein shock absorber, consider the following common problems and solutions:

- **Unusual Noises (e.g., clunking, squeaking):** Check all mounting points for proper torque. Inspect bushings for damage, wear, or incorrect installation. Ensure no components are contacting other parts of the vehicle.
- **Poor Ride Quality (e.g., excessive bounce, harshness):** Verify that the correct shock absorber model was installed for your specific vehicle application. Ensure no other suspension components (springs, control arms, sway bars) are worn or damaged.
- **Fluid Leaks:** A very small amount of oil residue on the shock body can sometimes be normal, but significant or continuous fluid leakage indicates a seal failure and requires immediate replacement of the shock absorber.

For persistent or complex issues, it is highly recommended to consult a certified automotive technician.

SPECIFICATIONS

Feature	Detail
Brand	Bilstein
Model Number	24-100595
Style	Monotube

Feature	Detail
Auto Part Position	Front
Size (Piston Diameter)	36 Millimeter
Color	Black
Exterior Finish	Painted
Material	Plastic (<i>Note: Refers to components like bushings, not the main shock body.</i>)
Item Weight	3.7 Pounds (1.72 Kilograms)
Package Dimensions (L x W x H)	26.5 x 3 x 3 inches
Automotive Fit Type	Vehicle Specific Fit
Compatible Vehicles	1998, 1999, 2002, 2003 Mercedes-Benz CLK320
UPC	651860641881

WARRANTY INFORMATION

Bilstein products are typically backed by a manufacturer's warranty. The specific terms, conditions, and duration of the warranty for the 24-100595 shock absorber are provided by Bilstein.

For detailed warranty information, including coverage and claim procedures, please refer to the official Bilstein website or contact their customer support directly. Always retain your proof of purchase for any warranty claims.

SUPPORT

For technical assistance, installation questions, or further product information regarding your Bilstein 24-100595 shock absorber, please contact Bilstein customer support.

You can typically find contact details and additional resources on the official Bilstein website: www.bilstein.com

(*Note: Please verify the correct regional website for your location.*)



Image Description: The Bilstein brand logo, featuring the word "BILSTEIN" in white text on a blue rectangular background, next to a yellow circular emblem depicting a stylized shock absorber.