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Bilstein 24-011419

Bilstein 24-011419 B6 Suspension Shock Absorber Instruction Manual

Model: 24-011419 | Brand: Bilstein

PRODUCT OVERVIEW

The Bilstein 24-011419 B6 Suspension Shock Absorber is a high-performance monotube shock designed for the rear of specific Chevrolet G30 Box Truck models from 1989 to 1994 with dual tires, and also applicable to 1975-1976 Chevrolet G30 models. This shock absorber is engineered to provide consistent performance and fade-free operation, reacting effectively to changing road conditions for improved ride quality, handling, and comfort. Its application-specific tuning ensures optimized performance for the intended vehicle.



Image: The Bilstein 24-011419 B6 Suspension Shock Absorber, featuring its distinctive yellow body and blue dust boot, designed for optimal vehicle handling.

SETUP AND INSTALLATION

Proper installation of suspension components is critical for vehicle safety and performance. It is highly recommended that installation be performed by a qualified automotive technician using appropriate tools and safety equipment.

Safety Precautions:

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the vehicle is securely supported on jack stands or a lift before beginning work. Never rely solely on a jack.
- Refer to the vehicle's service manual for specific torque specifications and procedures.
- Be aware of potential hazards such as compressed springs, hot components, and sharp edges.

General Installation Steps (Consult Vehicle Manual for Specifics):

1. Park the vehicle on a level surface and engage the parking brake.
2. Loosen lug nuts on the wheels to be removed.
3. Raise the vehicle and support it securely with jack stands. Remove the wheels.
4. Locate the existing shock absorber. Note its mounting points (upper and lower).
5. Carefully remove the upper and lower mounting bolts/nuts. It may be necessary to support the axle or suspension arm to relieve tension.
6. Remove the old shock absorber.
7. Install the new Bilstein shock absorber, ensuring proper orientation. The blue dust boot should be positioned correctly.
8. Secure the upper and lower mounting bolts/nuts. *Do not fully tighten until the vehicle is at ride height or as specified by the vehicle manufacturer.*
9. Reinstall the wheels and lower the vehicle.
10. Torque all fasteners to the vehicle manufacturer's specifications.
11. Perform a final inspection to ensure all components are correctly installed and tightened.

OPERATING CHARACTERISTICS

Once installed, the Bilstein 24-011419 B6 shock absorber functions automatically as part of your vehicle's suspension system. It is designed to:

- **Control Spring Oscillation:** Dampen the movement of the vehicle's springs, preventing excessive bouncing and swaying.
- **Maintain Tire Contact:** Keep the tires firmly on the road surface, improving traction and braking performance.
- **Enhance Ride Comfort:** Absorb road imperfections, providing a smoother and more comfortable ride for occupants.
- **Improve Handling:** Contribute to better vehicle stability, cornering, and overall control, especially under varying load conditions.
- **Provide Consistent Performance:** The monotube design ensures consistent damping force even under demanding conditions, resisting fade.

No user interaction is required for the operation of the shock absorber after proper installation.

MAINTENANCE

Bilstein shock absorbers are designed for durability and minimal maintenance. However, regular inspection of your

vehicle's suspension components is recommended to ensure optimal performance and safety.

Recommended Checks:

- **Visual Inspection:** Periodically inspect the shock absorbers for signs of damage, such as dents, corrosion, or leaks (oil residue). A slight film of oil is normal, but excessive leakage indicates a seal failure.
- **Mounting Points:** Check the upper and lower mounting points for tightness and wear. Ensure all bolts and bushings are in good condition.
- **Dust Boot:** Verify that the blue dust boot is intact and properly seated to protect the shock shaft from dirt and debris.
- **Ride Quality:** Pay attention to changes in ride quality, such as excessive bouncing, swaying, or unusual noises, which may indicate a worn shock absorber.

If any issues are observed, it is advisable to have the vehicle inspected by a qualified technician.

TROUBLESHOOTING

If you experience issues with your vehicle's suspension after installing Bilstein shock absorbers, consider the following common troubleshooting points:

Symptom	Possible Cause	Solution
Excessive Bouncing/Swaying	Worn or damaged shock absorber; incorrect installation.	Inspect shocks for leaks or damage. Verify proper installation and torque of mounting bolts. Replace if necessary.
Unusual Noises (clunking, rattling)	Loose mounting hardware; worn bushings; damaged shock.	Check all mounting bolts for tightness. Inspect bushings for wear. Replace shock if internal damage is suspected.
Poor Ride Quality (harshness, stiffness)	Incorrect shock application; other worn suspension components.	Confirm the shock is the correct model for your vehicle. Inspect other suspension components (springs, control arms, ball joints).
Oil Leakage from Shock Body	Damaged internal seals.	A significant leak indicates a failed shock. Replacement is required.

If troubleshooting steps do not resolve the issue, or if you are unsure about the cause, consult a professional automotive technician.

SPECIFICATIONS

Attribute	Detail
Brand	Bilstein
Model Number	24-011419
Auto Part Position	Rear
Style	Monotube
Vehicle Service Type	Fits 1989-1994 Chevrolet G30 Box Truck with Dual Tires, and 1975-1976 Chevrolet G30 models.
Material	Steel

Extended Length	291 Millimeters
Item Weight	4.4 pounds
Special Features	Boot Included: Blue straight, Finish: Yellow paint, Internal Design: Monotube, Lower Mount Type: Eye 12.7mm, Upper Mount Type: Eye 12.7mm

WARRANTY INFORMATION

The Bilstein 24-011419 B6 Suspension Shock Absorber comes with a **Lifetime Warranty**. For specific terms, conditions, and claim procedures, please refer to the official Bilstein warranty documentation or contact Bilstein customer support directly.

SUPPORT AND CONTACT

For technical assistance, installation inquiries, or warranty claims, please contact Bilstein customer support. It is recommended to have your product model number (24-011419) and purchase information readily available when contacting support.

You can typically find contact information on the official Bilstein website: www.bilstein.com