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Model: F4-BE3-C231-H1

PRODUCT OVERVIEW

The Bilstein F4-BE3-C231-H1 G Series Shock Absorber is engineered for enhanced vehicle performance and durability. This component is designed to deliver consistent, trouble-free operation for truck applications.



Image: Bilstein F4-BE3-C231-H1 G Series Shock Absorber. This image displays the shock absorber, which features a prominent yellow cylindrical body and a silver rod extending from one end, terminating in a spherical bearing eyelet. The overall length is extended, showcasing the full design of the unit.

Key features include:

- Model: F4-BE3-C231-H1
- Designed for consistent performance
- Highly durable construction
- Enhances vehicle handling and ride quality

SAFETY INFORMATION

Always prioritize safety when installing or maintaining vehicle components. Refer to your vehicle's service manual for specific instructions and warnings. Professional installation is recommended for optimal safety and performance.

- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the vehicle is securely supported on jack stands before working underneath.
- Do not modify the shock absorber.
- Keep hands and clothing clear of moving parts.

Proposition 65 Warning: This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

SETUP AND INSTALLATION

This section provides general guidelines for the installation of the Bilstein F4-BE3-C231-H1 shock absorber. Specific steps may vary depending on the vehicle make and model. Always consult your vehicle's manufacturer service manual for detailed instructions.

1. **Preparation:** Park the vehicle on a level surface and engage the parking brake. Lift the vehicle using a suitable jack and support it securely with jack stands. Remove the wheel(s) as necessary to access the shock absorber.
2. **Remove Old Shock:** Locate the mounting points of the existing shock absorber. Typically, there are upper and lower mounting bolts. Use appropriate wrenches or sockets to loosen and remove these bolts. Carefully remove the old shock absorber from its mounting points.
3. **Inspect Mounting Points:** Clean and inspect the mounting points for any damage, corrosion, or wear. Ensure they are in good condition to receive the new shock absorber.
4. **Install New Shock:** Position the new Bilstein F4-BE3-C231-H1 shock absorber into the upper mounting point. Insert the bolt and hand-tighten. Align the lower mounting point and insert the bolt, hand-tightening it as well.
5. **Tighten Bolts:** Refer to your vehicle's service manual for the correct torque specifications for the shock absorber mounting bolts. Use a torque wrench to tighten both the upper and lower bolts to the specified values.
6. **Final Steps:** Reinstall the wheel(s) and lower the vehicle. Torque the lug nuts to the manufacturer's specifications. Test the vehicle's suspension by gently bouncing it to ensure proper seating of components.

OPERATING CONSIDERATIONS

Once installed, the Bilstein F4-BE3-C231-H1 shock absorber operates automatically as part of your vehicle's suspension system. No user intervention is required for its normal function.

- The shock absorber is designed to dampen suspension oscillations, providing a smoother ride and improved handling.
- Performance characteristics are optimized for the specified vehicle service type (Truck).
- Regular vehicle operation will utilize the shock absorber's compression and rebound capabilities.

Maintenance

The Bilstein F4-BE3-C231-H1 shock absorber is a sealed unit and generally requires minimal maintenance. However, periodic inspection is recommended as part of your vehicle's routine maintenance schedule.

- **Visual Inspection:** Regularly inspect the shock absorber for signs of leaks (oil residue), damage (dents, bends), or excessive corrosion.
- **Mounting Points:** Check the mounting bolts and bushings for tightness and wear. Loose or worn bushings can affect performance and lead to noise.
- **Cleaning:** Keep the shock absorber clean from excessive dirt and debris, especially around the shaft and seals, to prevent premature wear.
- **Replacement:** If any signs of significant wear, damage, or leakage are observed, the shock absorber should be replaced. It is generally recommended to replace shock absorbers in pairs (e.g., both front or both rear) to maintain balanced suspension performance.

Troubleshooting

If you experience issues with your vehicle's suspension after installing or while using the Bilstein F4-BE3-C231-H1 shock absorber, consider the following common troubleshooting steps:

- **Excessive Bouncing or Poor Ride Quality:** This could indicate a worn or faulty shock absorber. Inspect for leaks or damage. Ensure mounting bolts are properly torqued.
- **Clunking or Rattling Noises:** Check all mounting bolts for tightness. Inspect bushings for wear or damage. Ensure no components are loose or making contact with other parts of the vehicle.
- **Uneven Tire Wear:** While not solely attributable to shocks, worn shocks can contribute to uneven tire wear. Check tire pressure and alignment.
- **Vehicle Pulling to One Side:** This is often an alignment issue, but a faulty shock on one side can exacerbate it. Inspect both shocks for consistent performance.

If problems persist, it is recommended to consult a qualified automotive technician.

Specifications

Attribute	Value
Brand	Bilstein
Model Name	Bilstein F4-BE3-C231-H1 G Series Shock Absorber 19.86 in. Extended 12.68 in. Collapsed Compression/Rebound at .26m/s 670 G Series Shock Absorber
Part Number	F4-BE3-C231-H1
Style	Compression
Vehicle Service Type	Truck
Exterior Finish	Painted
Material	Plastic
Extended Length	19.68 Inches

Attribute	Value
Collapsed Length	12.68 Inches (from product title)
Compression/Rebound at .26m/s	670 (from product title)
Color	Yellow
Item Weight	2.7 Pounds
Package Weight	1.21 Kilograms
Item Package Dimensions L x W x H	22.09 x 3.03 x 2.91 inches
UPC	651860624686
Global Trade Identification Number	00651860624686
Manufacturer	Bilstein
Included Components	Bilstein F4-BE3-C231-H1 G Series Shock Absorber
Suggested Users	unisex-adult
Number of Items	1
Size	One Size
Date First Available	October 31, 2010

WARRANTY INFORMATION

This product comes with a manufacturer's warranty. For specific details regarding warranty coverage, terms, and conditions, please refer to the official warranty documentation provided by Bilstein or visit the Bilstein website. Keep your proof of purchase for warranty claims.

CUSTOMER SUPPORT

For technical assistance, product inquiries, or support, please contact Bilstein customer service. Refer to the official Bilstein website for the most current contact information, including phone numbers and online support options. You can also visit the [Bilstein Brand Store on Amazon](#) for more product information.

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