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› Bilstein 5100 Gas Shocks Set User Manual

Bilstein B8 5100 Monotube Gas

Bilstein 5100 Gas Shocks Set User Manual

Model: B8 5100 Monotube Gas (Part Numbers: 24-186025, 33-187297)

PRODUCT OVERVIEW

Bilstein 5100 shocks utilize a monotube design, with a 46mm digressive piston, to increase road handling characteristics both on and off-road. The single tube body allows for rapid heat transfer between the shock oil to the shock body, and then dissipated further to reduce shock fade. German engineering combined with US manufacturing ensures optimum performance and longevity for upwards of 100k miles.



Image: Four Bilstein 5100 series shock absorbers. Two front shocks (part number 24-186025) and two rear shocks (part number 33-187297) are included in this set. These shocks feature a silver body with a black corrugated boot and blue Bilstein branding.

Key Features:

- Part Numbers 24-186025 (front) and 33-187297 (rear).
- Designed for 4WD vehicles, specifically 1999-2004 Ford F-250 SD.
- Suitable for vehicles with no suspension modifications or up to 2.5" front lift systems and up to 2.5" rear lift systems.
- Monotube design with a 46mm digressive piston for enhanced road handling.
- Includes all necessary washers, bushings, reservoir clamps, and nuts.

SETUP AND INSTALLATION

Installation of the Bilstein 5100 series shocks requires basic automotive tools and mechanical knowledge. It is recommended to consult a professional mechanic if you are unsure about any steps.

Compatibility:

- This set is for 1999-2004 Ford F-250 SD 4WD models.
- Compatible with vehicles having 0-2.5 inches of front lift and 0-2.5 inches of rear lift.
- These shocks are approximately 0.4 inches longer than factory shocks but will still function with a factory height vehicle.
- Not compatible with dual front shock setups.

Included Components:

- Two (2) front shock absorbers (Part Number: 24-186025)
- Two (2) rear shock absorbers (Part Number: 33-187297)
- Necessary washers, bushings, reservoir clamps, and nuts.

Note: Factory shock mounting bolts are reused for installation. Mounting plates are sold separately and are not included with this set.

OPERATING CHARACTERISTICS

The Bilstein 5100 series shocks are engineered for superior performance across various terrains. Their monotube design efficiently dissipates heat, preventing shock fade during demanding conditions.

Compared to the Bilstein 4600 series, the 5100 series offers more compliance in tougher situations and off-road terrain. The 4600 series is generally more appropriate for daily driven vehicles and pavement environments with factory specifications.

MAINTENANCE

Bilstein 5100 shocks are designed for long-term durability, with many users reporting longevity upwards of 100,000 miles. Regular inspection can help ensure optimal performance and extend the lifespan of your shocks.

Recommended Checks:

- Periodically inspect shocks for any signs of leakage, damage, or excessive wear on bushings.
- Ensure all mounting bolts are securely tightened.
- Clean any accumulated dirt or debris from the shock body and boot to prevent premature wear.

TROUBLESHOOTING

This section addresses common inquiries and issues that may arise.

Common Issues:

- **Partial Shipment:** If you receive only a portion of your order (e.g., only rear shocks), immediately contact your seller or the point of purchase to resolve the discrepancy. Ensure all four shocks (two front, two rear) are received as part of the set.
- **Fitment Concerns:** Double-check your vehicle's specifications (year, make, model, 4WD, lift height) against the product's stated compatibility. Ensure your vehicle does not have a dual front shock setup, as these shocks are not designed for such configurations.
- **Ride Quality:** If the ride quality is not as expected, verify that the correct shocks for your vehicle's lift height and intended use (on-road vs. off-road) have been installed.

SPECIFICATIONS

Attribute	Value
Brand	BilsteinUS

Attribute	Value
Model	B8 5100 Monotube Gas
Part Numbers	24-186025 (Front), 33-187297 (Rear)
Auto Part Position	Front and Rear
Style	Monotube
Vehicle Service Type	Truck (Ford F-250 SD 4WD)
Exterior Finish	Smooth
Material	Metal
Extended Length	~0.4 Inches longer than factory
Item Weight (Set)	~25 pounds
Product Dimensions (Individual)	~8 x 8 x 28 inches

WARRANTY AND SUPPORT

This Bilstein 5100 Gas Shocks Set is backed by a **Bilstein Limited Lifetime Warranty**. This warranty covers defects in material and workmanship for the lifetime of the product, under normal use and service.

For warranty claims, technical support, or further inquiries, please contact Bilstein customer service directly or refer to their official website for detailed warranty terms and contact information.

Please retain your proof of purchase for any warranty claims.

