

[Manuals.plus](#) /

› [Monroe](#) /

› Monroe Magnum 65487 Suspension Shock Absorber User Manual

Monroe 65487

Monroe Magnum 65487 Suspension Shock Absorber User Manual

Brand: Monroe | Model: 65487

INTRODUCTION

This user manual provides essential information for the Monroe Magnum 65487 Suspension Shock Absorber. Designed for hardworking commercial vehicles, this shock absorber delivers consistent ride quality and exceptional handling. Please read this manual thoroughly before installation and use to ensure proper function and longevity of your product.

COMPATIBILITY

The Monroe Magnum 65487 Suspension Shock Absorber is compatible with a range of commercial vehicles. Please verify fitment for your specific vehicle before purchase and installation.

- Fits 2004-2015 Ford F-650; 2005-2007 Ford F-650; 2004-2015 Ford F-750; 2005-2007 Ford F-750; 2002-2019 International 4300; 2002-2008 International 4300LP; 2002-2008 International 4400LP; 2003-2008 International 4200LP.

Important: Before purchasing, research to ensure that the part will fit your vehicle; enter all vehicle information (year, make, model, engine and trim) for compatibility and check qualifier notes.

PRODUCT FEATURES

- **Designed for Hardworking Commercial Vehicles:** Built to handle the demands of high mileage and severe use in Class 6-8 trucks and buses.
- **Consistent Ride:** All-weather fluid with special additives reduces oil breakdown, and a larger 2-3/8-inch reserve tube holds more fluid for improved performance (most applications).
- **Exceptional Handling:** 10-stage valving, tuned specifically for each vehicle, adjusts to road extremes. A larger 1-3/4-inch bore provides efficient damping control for consistency and a smooth ride (most applications).
- **Strong and Durable:** Features shouldered bushing and bonded bushing with sleeve to protect from bushing walkout, improving quality. Arc welds up to 360 degrees enhance durability.
- **Built to Last:** Robust hydraulic lock-out prevents over-extension of air bags, piston top-out, and damage to the seal assembly (most applications).

- **Longer Service Life:** Bearing with PTFE coating reduces friction between the rod and rod guide. Nitrocarburized piston rod provides durability and extended service life (most applications).
- **Reduced Noise, Vibration, and Harshness (NVH):** Delivers exceptional control and isolates impact-related NVH under most driving conditions.
- **Improves Performance:** Nitrogen gas-charge maintains tire-to-road contact for improved ride and handling by reducing aeration and shock fade.

SETUP AND INSTALLATION

Installation of suspension components requires specialized tools and knowledge. It is highly recommended that the Monroe Magnum 65487 Shock Absorber be installed by a qualified automotive technician.

General Installation Guidelines:

1. Ensure the vehicle is safely lifted and supported according to manufacturer specifications.
2. Remove the old shock absorber, noting the orientation and hardware.
3. Install the new Monroe Magnum 65487 shock absorber, ensuring all bushings and mounting hardware are correctly seated and torqued to vehicle manufacturer specifications.
4. Verify proper clearance and movement of all suspension components after installation.
5. Perform a final inspection and test drive to confirm correct operation and ride quality.





Figure 1: The Monroe Magnum 65487 Suspension Shock Absorber. This image shows the bright yellow shock absorber with black bushings at both ends, designed for heavy-duty vehicle suspension.

Always refer to your vehicle's specific service manual for detailed, step-by-step installation instructions and torque specifications.

OPERATION

The Monroe Magnum 65487 Suspension Shock Absorber is a passive component of your vehicle's suspension system. Once installed, it operates continuously to dampen suspension oscillations, control spring movement, and maintain tire-to-road contact. Its operation is automatic and requires no user intervention during driving. Properly functioning shock absorbers are crucial for vehicle stability, braking performance, and passenger comfort, especially in commercial vehicles carrying heavy loads or operating on varied terrain.

MAINTENANCE

To ensure optimal performance and longevity of your Monroe Magnum 65487 Shock Absorber, regular inspection is recommended as part of your vehicle's routine maintenance schedule.

- **Visual Inspection:** Periodically check the shock absorbers for signs of fluid leaks, dents, corrosion, or damage to the housing and mounting points.
- **Bushing Condition:** Inspect the rubber bushings at the mounting ends for cracks, wear, or deterioration. Worn

- bushings can lead to noise and reduced effectiveness.
- **Mounting Hardware:** Ensure all mounting bolts and nuts are secure and properly torqued. Loose hardware can cause noise and premature wear.
 - **Performance Check:** If you notice a significant change in ride quality, excessive bouncing, or poor handling, it may indicate worn shock absorbers.

Damaged or leaking shock absorbers should be replaced promptly to maintain vehicle safety and performance.

Troubleshooting

While the Monroe Magnum 65487 Shock Absorber is designed for durability, issues with suspension components can arise. Here are some common symptoms and potential causes:

Symptom	Possible Cause	Action
Excessive Bouncing or "Floating" Ride	Worn or failed shock absorbers.	Inspect shocks for leaks or damage. Consider replacement.
Vehicle Nose Dives During Braking	Front shock absorbers are worn.	Check front shocks.
Vehicle Sways or Leans on Turns	Worn shock absorbers or other suspension components.	Inspect all suspension components, including shocks and sway bars.
Unusual Noises (Clunking, Rattling)	Loose mounting hardware, worn bushings, or internal shock damage.	Check all mounting points and bushings. Replace if necessary.
Fluid Leaks from Shock Body	Internal seal failure.	Shock absorber requires replacement.

If you experience any of these symptoms, it is advisable to have your vehicle's suspension system inspected by a professional technician.

Specifications

Attribute	Value
Brand	Monroe
Model	Magnum OE Replacement
Item Model Number	65487
Manufacturer Part Number	65487
Auto Part Position	Top
Vehicle Service Type	Truck
Exterior Finish	Painted
Material	Metal
Extended Length	15.5 Inches

Attribute	Value
Item Weight	7.89 pounds
Product Dimensions	23.39 x 4.13 x 3.15 inches
Country of Origin	China
UPC	048598173874
ASIN	B000JWM8OU

WHAT'S IN THE BOX

The Monroe Magnum 65487 Suspension Shock Absorber package typically includes:

- Dust Shield
- Parts Pack(s) (containing necessary mounting hardware and bushings)

Please check the packaging upon receipt to ensure all components are present and undamaged.

WARRANTY AND SUPPORT

The Monroe Magnum 65487 Suspension Shock Absorber comes with Monroe's 90-day Risk Free Ride Offer and a Limited Commercial Warranty. For specific details regarding warranty coverage, terms, and conditions, please refer to the official Monroe warranty documentation included with your product or visit the official Monroe website. For technical support, product inquiries, or warranty claims, please contact Monroe customer service or visit their official store:

[Visit the Monroe Store on Amazon](#)

