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› Monroe V1175 VAN-MAGNUM Shock Absorber (Chassis) - Instruction Manual

Monroe SP2822

Monroe V1175 VAN-MAGNUM Shock Absorber (Chassis)

Model: SP2822

PRODUCT OVERVIEW

The Monroe V1175 VAN-MAGNUM Shock Absorber is a high-quality chassis component designed to provide superior ride control and durability for compatible vehicles. This shock absorber is engineered to meet original equipment (OE) standards, ensuring reliable performance and a comfortable driving experience.

Key features include:

- High Tech Coil Spring Type
- Suitable for all riding styles
- High quality construction
- OE Approved for reliable performance



Image: Front view of the Monroe V1175 VAN-MAGNUM Shock Absorber, showcasing its robust black casing and mounting points.

Safety Information

Always prioritize safety when working with automotive components. Improper installation or handling of shock absorbers can lead to serious injury or vehicle damage. It is highly recommended that installation be performed by a qualified automotive technician.

- 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 any work. Never rely solely on a jack.
- Do not attempt to disassemble the shock absorber. It contains high-pressure gas and oil, which can cause injury if released improperly.

- Refer to your vehicle's service manual for specific torque specifications and procedures.
- Keep children and pets away from the work area.

SETUP / INSTALLATION

Installation of shock absorbers requires specialized tools and knowledge. The following steps are a general guide and should be supplemented with your vehicle's specific service manual and professional assistance.

1. **Prepare the Vehicle:** Park the vehicle on a level surface, engage the parking brake, and block the wheels. Loosen the lug nuts on the wheels corresponding to the shock absorbers to be replaced.
2. **Lift and Secure:** Safely lift the vehicle using a hydraulic jack and support it with sturdy jack stands. Remove the wheels.
3. **Locate and Remove Old Shock:** Identify the existing shock absorber. Depending on the vehicle, this may involve removing brake lines, ABS sensors, or other components that obstruct access. Carefully unbolt the upper and lower mounting points of the old shock absorber.
4. **Install New Shock:** Position the new Monroe V1175 shock absorber into place. Ensure proper alignment of the mounting holes. Secure the upper and lower mounting bolts, tightening them to the vehicle manufacturer's specified torque settings.
5. **Reassemble and Lower:** Reattach any components that were removed for access. Reinstall the wheels and hand-tighten the lug nuts. Carefully lower the vehicle to the ground.
6. **Final Tightening:** With the vehicle on the ground, fully tighten the lug nuts to the manufacturer's specifications.



Image: Angled view of the Monroe shock absorber, showing the brand's repeating logo pattern in the background, indicating an authentic product.

OPERATING INSTRUCTIONS

The Monroe V1175 VAN-MAGNUM Shock Absorber operates passively to dampen suspension oscillations. Once correctly installed, it requires no direct user interaction for its function. It continuously works to absorb road impacts and control spring rebound, contributing to vehicle stability, handling, and ride comfort.

Proper operation is dependent on correct installation and the overall health of your vehicle's suspension system. Any unusual noises or changes in ride quality after installation should be investigated by a qualified technician.

MAINTENANCE

Shock absorbers are generally maintenance-free components, but regular inspection is crucial for ensuring their longevity and optimal performance. It is recommended to inspect your shock absorbers during routine vehicle maintenance, such as tire rotations or oil changes.

- **Visual Inspection:** Check for any signs of fluid leaks around the shock body. A thin film of oil is normal, but excessive wetness indicates a seal failure.
- **Damage Check:** Look for dents, bends, or corrosion on the shock body or piston rod.
- **Mounting Points:** Ensure all mounting bolts are secure and free from corrosion. Check rubber bushings for cracks, tears, or excessive wear.
- **Ride Quality:** Pay attention to changes in your vehicle's ride. Excessive bouncing, nose-diving during braking, or swaying during turns can indicate worn shock absorbers.

If any issues are detected, consult a professional automotive technician for diagnosis and potential replacement.

TROUBLESHOOTING

If you experience issues with your vehicle's suspension after installing or while using the Monroe V1175 shock absorber, consider the following common problems and their potential causes:

Symptom	Possible Cause	Solution
Excessive Bouncing / Poor Ride Control	Worn or failing shock absorber, incorrect installation, or issues with other suspension components.	Inspect shock for leaks/damage. Verify correct installation. Check springs and suspension bushings.
Clunking or Rattling Noises	Loose mounting bolts, worn bushings, or internal shock damage.	Tighten mounting bolts to spec. Replace worn bushings. Inspect shock for damage.
Uneven Tire Wear	Worn suspension components (including shocks), improper alignment, or incorrect tire pressure.	Inspect shocks and other suspension parts. Perform wheel alignment. Check tire pressure.
Fluid Leaks from Shock	Damaged internal seals.	Shock absorber requires replacement.

For persistent issues, it is always best to consult a certified automotive mechanic.

SPECIFICATIONS

Detailed technical specifications for the Monroe V1175 VAN-MAGNUM Shock Absorber (Model SP2822):

Attribute	Value
Manufacturer	MONROE
Brand	Monroe
Item Weight	3.9 ounces (1.587 kg as per product data)
Product Dimensions	12.17 x 6.5 x 5.12 inches

Attribute	Value
Item Model Number	SP2822
Bore Diameter	25.4 mm
Maximum Length	552 mm
Minimum Length	332 mm
Pivot Diameter	12.4 mm
Exterior Finish	Black
Vehicle Service Type	Truck, Van
Equivalent OEM Part Numbers	Renault Trucks 01162016; Renault Trucks 5010383684; Renault Trucks 5010488467

WARRANTY AND SUPPORT

Monroe products are manufactured to high standards and typically come with a manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or visit the official Monroe website. Warranty coverage usually applies to defects in materials and workmanship under normal use.

For technical support, installation inquiries, or warranty claims, please contact Monroe customer service directly. You can often find contact information on the product packaging or on the official Monroe website (www.monroe.com).

When contacting support, please have your product model number (SP2822) and purchase details readily available.

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