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› Pro Comp MX6 Series Non-Reservoir Shock Absorber User Manual

PRO COMP MX6035

Pro Comp MX6 Series Non-Reservoir Shock Absorber User Manual

Comprehensive guide for installation, operation, and maintenance of your Pro Comp MX6035 shock absorber.

1. INTRODUCTION

The Pro Comp MX6 Series Non-Reservoir Shock Absorber, model MX6035, is engineered to enhance vehicle suspension performance and stability. Featuring a 6-way external adjuster, this shock allows for precise control over dampening, adapting to various driving conditions and preferences. Its velocity-sensitive disc valving ensures incredibly fast dampening response, contributing to a smoother ride and improved handling.



Figure 1: The Pro Comp MX6 Series Non-Reservoir Shock Absorber (Model MX6035). This image displays the white shock body with "MONOTUBE MX6 ADJUSTABLE" branding, a black protective boot, and the lower mounting eyelet.

2. KEY FEATURES

- **6-Way External Adjuster:** Provides precision control over dampening settings.
- **Velocity Sensitive Disc Valving:** Ensures rapid and responsive dampening.
- **Lightweight Design:** Contributes to reduced un-sprung weight.
- **Enhanced Suspension Performance:** Maximizes the efficiency of your vehicle's suspension system.
- **Improved Vehicle Stability and Ride Comfort:** Designed to provide a smoother and more controlled driving experience.
- **Shock Body Protection:** Features designed to protect the shock body from damage.

3. SETUP AND INSTALLATION

3.1 Unpacking

Carefully remove the shock absorber from its packaging. Inspect the unit for any signs of shipping damage. Ensure all components, including bushings and necessary hardware (if supplied), are present and in good condition. Do not proceed

with installation if any damage is observed.

3.2 Installation Guidelines

Installation of suspension components requires specialized tools and knowledge. It is highly recommended that the Pro Comp MX6035 shock absorber be installed by a qualified professional mechanic. Improper installation can lead to vehicle instability, component failure, and serious injury.

1. **Safety First:** Always ensure the vehicle is securely supported on jack stands or a lift. Disconnect the battery if working near electrical components.
2. **Remove Old Shock:** Carefully remove the existing shock absorber, noting the orientation of its mounting points.
3. **Prepare New Shock:** Ensure the bushings are correctly seated in the new MX6035 shock absorber.
4. **Mounting:** Install the new shock absorber, aligning the mounting points. Do not overtighten bolts initially.
5. **Torque Specifications:** Refer to your vehicle's service manual for the correct torque specifications for all mounting hardware. Tighten all bolts to the manufacturer's recommended torque.
6. **Final Inspection:** After installation, visually inspect all connections to ensure they are secure and properly aligned.

4. OPERATING AND ADJUSTMENT

4.1 Adjusting the MX6 Series Shock

The Pro Comp MX6035 features a 6-way external adjuster, allowing you to fine-tune the shock's dampening characteristics to suit different driving conditions, loads, or personal preferences. The adjuster is typically located at the bottom of the shock body.

- **Adjustment Mechanism:** The adjuster typically involves a rotating knob or dial. Each click or position corresponds to a different dampening setting.
- **Softer Settings:** Lower numbers or specific directions (refer to product-specific markings) will provide a softer ride, suitable for comfort or light off-road conditions.
- **Firmer Settings:** Higher numbers or opposite directions will result in a firmer ride, ideal for heavy loads, towing, or aggressive off-road driving where more control is desired.
- **Testing:** After making adjustments, drive the vehicle in a safe environment to assess the changes in ride quality and handling. Make small, incremental adjustments until the desired performance is achieved.
- **Consistency:** For optimal performance, ensure that all MX6 shocks on the vehicle are set to the same adjustment position.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Pro Comp MX6035 shock absorber.

- **Regular Inspection:** Periodically inspect the shock absorbers for any signs of leaks, damage to the body, bent shafts, or worn bushings. Check for loose mounting hardware.
- **Cleaning:** Keep the shock body and shaft clean, especially after off-road use. Dirt and debris can damage seals and affect performance. Use mild soap and water, then rinse thoroughly.

- **Bushings:** Check the condition of the mounting bushings. Replace them if they show signs of cracking, excessive wear, or deterioration.
- **Protective Boot:** Ensure the protective boot (if present) is intact and free from tears, as it helps prevent debris from reaching the shock shaft and seals.
- **Avoid Harsh Chemicals:** Do not use harsh solvents or abrasive cleaners on the shock absorber, as they can damage finishes and seals.

6. TROUBLESHOOTING

This section provides guidance for common issues you might encounter with your shock absorber.

Problem	Possible Cause	Solution
Excessive Bouncing/Poor Ride Control	Worn out shock absorber; incorrect adjustment setting; overloaded vehicle.	Inspect for leaks or damage; adjust to a firmer setting; reduce vehicle load. Consider replacement if shock is failing.
Knocking or Clunking Noise	Loose mounting hardware; worn bushings; internal shock damage.	Check and re-torque mounting bolts; inspect and replace worn bushings; if internal damage is suspected, replace the shock.
Oil Leaks from Shock Body	Damaged seal; internal component failure.	A leaking shock absorber indicates failure and requires immediate replacement.
Uneven Ride Height	Damaged or incorrect spring (not shock related); uneven shock adjustment (less common for ride height).	Inspect springs for damage; ensure all shocks are set to the same adjustment. Consult a professional.

7. SPECIFICATIONS

Attribute	Detail
Brand	PRO COMP
Model Number	MX6035
Style	Modern
Vehicle Service Type	Truck
Exterior Finish	Black
Item Weight	6 pounds

Attribute	Detail
Product Dimensions	3 x 3 x 25 inches
Manufacturer	Pro Comp Suspension
UPC	614901700350
Date First Available	September 5, 2008

8. WARRANTY AND SUPPORT

8.1 Product Warranty

Pro Comp products are manufactured to high standards. For specific warranty details regarding your MX6035 shock absorber, please refer to the warranty information provided at the time of purchase or visit the official Pro Comp Suspension website. Keep your proof of purchase for any warranty claims.

8.2 Customer Support

If you have questions about installation, operation, or troubleshooting that are not covered in this manual, please contact Pro Comp Suspension customer support. Contact information can typically be found on the manufacturer's official website or on your product packaging.

For the most up-to-date information and support resources, please visit: www.procompusa.com

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Question

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