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maXpeedingrods DR45@CO-MIT300-9199-G-NA

maXpeedingrods Coilovers Instruction Manual

Model: DR45@CO-MIT300-9199-G-NA

For Mitsubishi 3000GT AWD (1991-1999) & Dodge Stealth AWD (1991-1996)

1. Introduction

This manual provides essential information for the proper installation, adjustment, and maintenance of your maXpeedingrods Coilovers. Please read these instructions thoroughly before attempting any installation or adjustment. Incorrect installation or adjustment can lead to vehicle damage, poor performance, or safety hazards.

2. Product Features and Components

The maXpeedingrods Coilover Suspension Kit is engineered for enhanced vehicle performance and adjustability. Key features include:

- **Height Adjustment:** Allows for a 1-3 inch lowering range, enabling a customized vehicle stance. Note: This kit does not maintain original ride height.
- **Twin-tube Structure:** Designed for a longer stroke and higher height adjustability, providing a more comfortable ride by reducing pressure on joints compared to mono-tube designs.
- **High-Quality Materials:** Constructed from 6061 aluminum alloy with T6 treatment for increased hardness, high strength, and durability. Precision parts ensure safe and reliable installation.
- **Optimized Spring Rate:** Front: 10kg/mm (556 lbs/in) & Rear: 7 kg/mm (392 in/lbs). Springs undergo over 600,000 continuous tests with less than 0.04% distortion, featuring special surface treatment for improved durability and performance.
- **Pillowball Top Mount:** Improves steering feel and response, and helps eliminate turning noise.
- **Heavy Duty Steel Lower Mounts:** Ensures secure and robust attachment to the vehicle.



Image showing the coilover assembly with indicators for ride height and spring tension adjustment. This illustrates how users can customize their vehicle's stance and suspension feel.



Detailed view of coilover components, including the quality collar for adjustments, the pillowball top mount for precise steering response, and heavy-duty steel lower mounts for secure fitment.

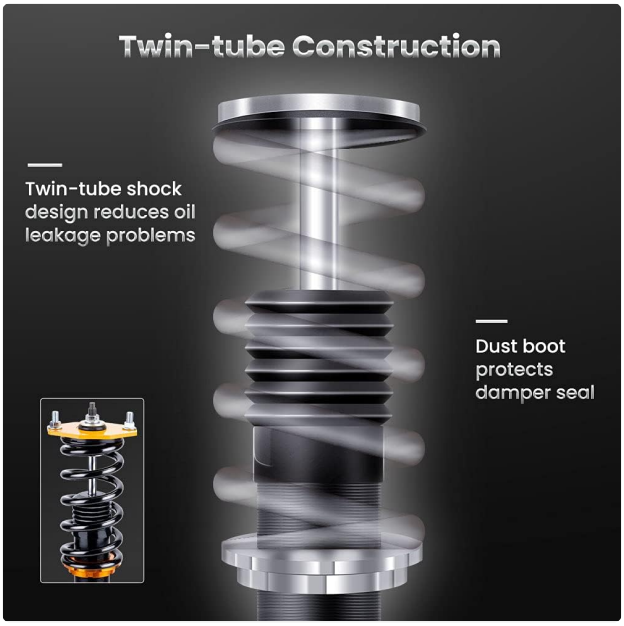


Diagram illustrating the twin-tube construction of the shock absorber, designed to reduce oil leakage and provide a comfortable ride. A dust boot is also shown, protecting the damper seal.



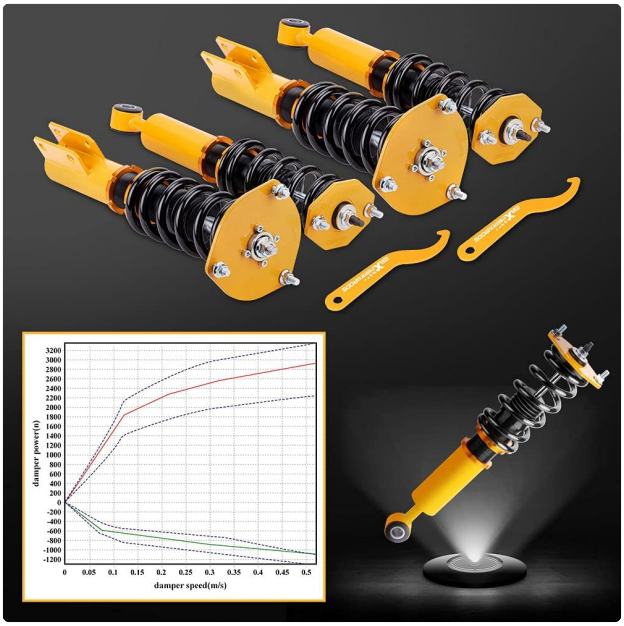
Exploded view of the coilover highlighting key features: forged T6061 aluminum camber plates, high rigidity steel spring, suitable dust boot, height adjustment mechanism, and heavy-duty steel lower mounts.



Close-up of the high rigidity steel spring, engineered for consistent performance and durability under various driving conditions.



Complete set of maXpeedingrods coilovers, including four coilover units and two adjustment wrenches, ready for installation.



Conceptual image of coilovers integrated into a vehicle's chassis, demonstrating their position and function within the suspension system.



The maXpeedingrods coilover kit neatly packaged in its product box, alongside the included adjustment wrenches.

3. Application and Compatibility

This coilover kit is designed for the following vehicle models:

- Mitsubishi 3000GT 1991-1999 3000 4WD (AWD/VR-4) Coupe Z16A V6 turbo
- Dodge Stealth 1991-1996 4WD (AWD)

Ensure your vehicle matches these specifications before installation.

4. Setup and Installation

Safety First: Always prioritize safety. Wear appropriate personal protective equipment (PPE) including safety glasses and gloves. Ensure the vehicle is securely supported on jack stands on a level surface before beginning work. Never work under a vehicle supported only by a jack.
Professional Installation Recommended: Due to the complexity and critical safety aspects of suspension components, professional installation by a qualified mechanic is highly recommended. Incorrect installation can lead to serious injury or vehicle damage.

General Installation Steps (Consult a professional or detailed service manual for specific vehicle procedures):

1. **Preparation:** Gather all necessary tools. Refer to your vehicle's service manual for specific torque specifications and procedures.
2. **Vehicle Lift and Wheel Removal:** Safely lift the vehicle and remove the wheels.
3. **Remove OEM Suspension:** Disconnect and remove the original shock absorbers and springs.
4. **Install New Coilovers:** Carefully install the maXpeedingrods coilovers. Ensure all bolts are tightened to the manufacturer's specified torque.
5. **Initial Adjustments:** Perform initial ride height adjustments as desired (refer to Section 5).
6. **Reassembly:** Reinstall wheels and lower the vehicle safely.
7. **Alignment:** After installation, a professional wheel alignment is mandatory to ensure proper handling and tire wear.

5. Operating and Adjustment

These coilovers feature adjustable ride height and preset damping. Damping is not user-adjustable for this specific model.

Ride Height Adjustment:

1. **Loosen Locking Collars:** Using the provided adjustment wrenches, loosen the lower locking collar on the coilover body.
2. **Adjust Lower Mount:** Rotate the lower mount to raise or lower the vehicle. Turning clockwise will lower the vehicle, and counter-clockwise will raise it.
3. **Maintain Evenness:** Adjust all four coilovers evenly to maintain proper vehicle balance. Measure from the center of the wheel hub to the fender lip to ensure consistent height.
4. **Tighten Locking Collars:** Once the desired height is achieved, securely tighten the locking collars to prevent movement.
5. **Spring Preload:** Ensure the spring has a slight preload (snug fit) but is not overly compressed. Excessive preload can reduce ride comfort and suspension travel.

After any height adjustment, it is crucial to have a professional wheel alignment performed.

6. Maintenance

Regular maintenance helps ensure the longevity and performance of your coilovers:

- **Regular Inspection:** Periodically inspect coilovers for any signs of damage, leaks, loose bolts, or corrosion.
- **Cleaning:** Keep the coilover bodies and springs clean from dirt, salt, and debris, especially after driving in harsh conditions. Use mild soap and water.
- **Lubrication:** Apply a thin layer of appropriate grease to the threads of the adjustment collars to prevent seizing and ensure smooth adjustments.
- **Dust Boots:** Check the condition of the dust boots. Replace them if they are torn or damaged to protect the damper seals.

7. Troubleshooting

If you experience issues with your coilovers, consider the following:

- **Unusual Noises (Clunking/Squeaking):** Check for loose mounting bolts, worn bushings, or improper spring preload. Ensure pillowball top mounts are properly seated and lubricated if necessary.
- **Uneven Ride Height:** Re-measure and adjust all coilovers to ensure they are set to the same height. Verify that locking collars are securely tightened.
- **Poor Handling/Ride Quality:** Confirm that installation was correct and all components are properly torqued. A professional alignment is crucial after any suspension work.
- **Oil Leaks:** A small amount of oil residue can be normal. However, significant oil leaks indicate a damaged seal and require professional inspection and potential replacement.

For persistent issues, consult a qualified automotive technician.

8. Specifications

Specification	Detail
Brand	maXpeedingrods
Model Number	DR45@CO-MIT300-9199-G-NA

Specification	Detail
Application	Mitsubishi 3000GT AWD (1991-1999), Dodge Stealth AWD (1991-1996)
Auto Part Position	Front
Style	Adjustable (Height)
Vehicle Service Type	Car
Exterior Finish	Painted
Item Weight	26100 Grams
Included Components	Comes with housing
Material Type	Aluminum (6061-T6)
Extended Length	665 Millimeters
Front Spring Rate	10kg/mm (556 lbs/in)
Rear Spring Rate	7 kg/mm (392 in/lbs)

9. Official Product Video

Your browser does not support the video tag.

Official video showcasing the manufacturing process and key features of maXpeedingrods Advanced T7 Series Coilovers, including material quality, damper technology, and spring rate settings.

10. Warranty and Support

For warranty information, please refer to the documentation included with your product or contact maXpeedingrods directly. The manufacturer's warranty typically covers defects in materials and workmanship for a specified period.
For technical support, parts, or service inquiries, please contact maXpeedingrods customer service through their official website or the seller from whom the product was purchased.

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Question

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Details

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