

maXpeedingrods XF30ZDE

maXpeedingrods Coilovers Instruction Manual

Model: XF30ZDE

1. INTRODUCTION

This manual provides essential information for the proper installation, adjustment, maintenance, and safe operation of your maXpeedingrods Coilovers. These coilovers are designed to enhance vehicle handling and allow for adjustable ride height. Please read this manual thoroughly before attempting any installation or adjustment.

Product Compatibility:

- For Volkswagen Golf MK7 (2015-2019) - **Note: Only compatible with Torsion Rear Suspension. Not suitable for Multilink Rear Suspension.**
- For Audi A3/S3 (8V) MK3 (2015-2019)
- For Seat Leon MK3 (2012-2019)
- For Skoda Octavia MK3 (2012-2019)

2. SAFETY INFORMATION

Working with vehicle suspension systems can be dangerous. Improper installation or adjustment can lead to serious injury or vehicle damage. Always follow these safety guidelines:

- **Professional Installation Recommended:** It is highly recommended that installation be performed by a qualified automotive technician.
- **Use Proper Tools:** Ensure you have all necessary tools and equipment, including jack stands, torque wrenches, and spring compressors.
- **Vehicle Support:** Always support the vehicle securely on jack stands before working underneath it. Never rely solely on a jack.
- **Wear Safety Gear:** Use appropriate personal protective equipment, including safety glasses and gloves.
- **Follow Torque Specifications:** Adhere to the vehicle manufacturer's torque specifications for all fasteners.
- **Wheel Alignment:** After installation, a professional wheel alignment is mandatory to ensure proper vehicle handling and tire wear.

- **Test Drive:** Perform a cautious test drive in a safe area after installation and adjustments to check for proper function and any unusual noises.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon opening the package. If any items are missing or damaged, contact customer support immediately.



Image 3.1: Packaging list showing all included components.

The package typically includes:

- 2x Front Coil-overs (complete with springs and top mounts)
- 2x Rear Shock Absorbers
- 2x Rear Spring Kits (including springs and adjustable perches)
- 2x C Spanners (for height adjustment)

4. PRODUCT FEATURES AND DESIGN

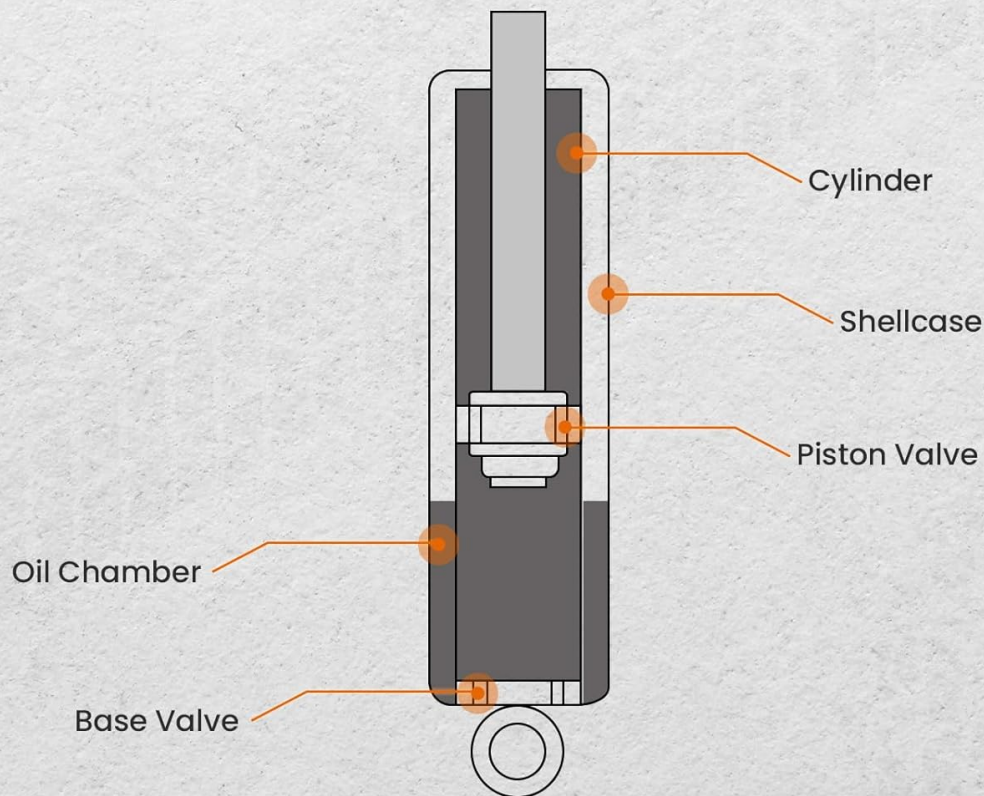
The maXpeedingrods Coilovers are engineered with specific features for performance and durability:

- **Spring Rate:** Front: 7 kg/mm (392 in/lbs), Rear: 5 kg/mm (280 in/lbs). Springs undergo extensive testing to ensure minimal distortion.
- **Adjustable Height:** Allows for lowering the vehicle by 35mm-75mm, providing a customizable stance while retaining original comfort.
- **Twin-tube Structure:** Offers a longer stroke and higher height adjustability compared to mono-tube designs, contributing to a more comfortable ride by reducing joint pressure.
- **Material:** Constructed from 6061 aluminum alloy with T6 for increased hardness, high strength, and durability. Features high-quality precision parts.
- **55CrSi Steel Springs:** Made from alloy steel using a cold winding technique for sag-free performance.
- **Durable Rubber TPV Dust Boots:** Protect piston shafts from dirt and debris, extending component life.
- **Sturdy Lower Brackets:** Manufactured from carbon steel to withstand heavy loads without bending, deforming, or breaking.
- **Solid Rubber Bump Stops:** Integrated to prevent harsh bottoming out.
- **Anti-rust Perches and Locking Rings:** Designed for durability and lightweight performance.
- **Heavy-duty Lower Mount:** Anti-rust and robust construction.



Image 4.1: Overview of the maXpeedingrods Coilover set.

DAMPER:TWIN TUBE



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Image 4.2: Diagram illustrating the internal components of a twin-tube damper, including cylinder, shellcase, piston valve, oil chamber, and base valve.

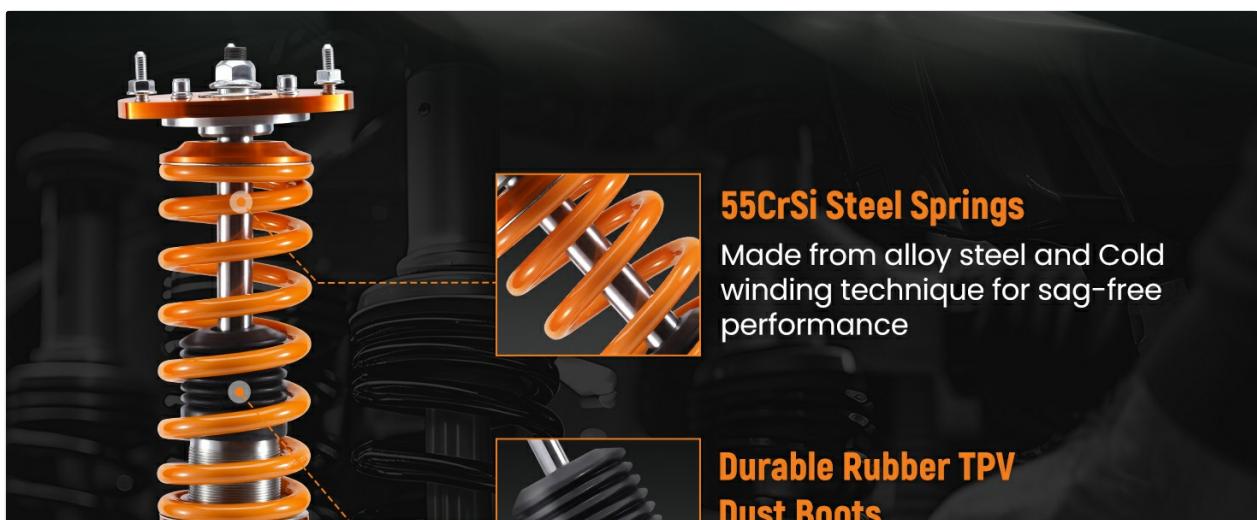


Image 4.3: Close-up of key coilover components, highlighting the 55CrSi steel springs, durable TPV dust boots, and sturdy lower brackets.

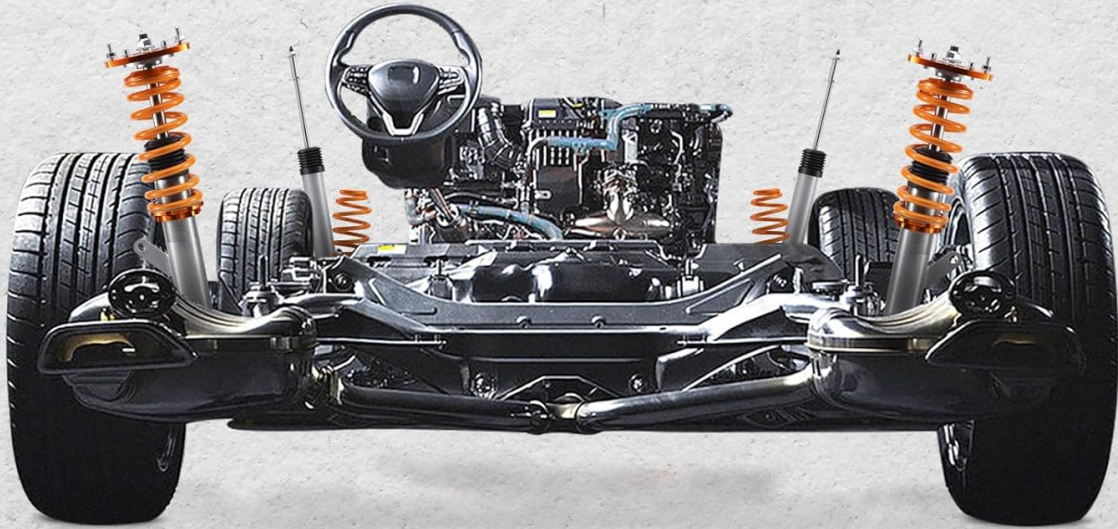
5. INSTALLATION

Installation of coilovers requires mechanical expertise and specialized tools. If you are not confident in your ability to perform this installation safely and correctly, seek assistance from a professional mechanic.

General Installation Steps (Consult a service manual for your specific vehicle for detailed instructions):

1. **Prepare the Vehicle:** Park the vehicle on a level surface, engage the parking brake, and loosen the lug nuts on the wheels. Jack up the vehicle and secure it with jack stands. Remove the wheels.
2. **Remove OEM Suspension:** Disconnect any brake lines, ABS sensors, or sway bar links attached to the existing strut/shock assembly. Unbolt the lower mounting points and the upper strut/shock mounts. Carefully remove the old suspension components.
3. **Prepare New Coilovers:** For front coilovers, you may need to transfer the OEM top hat (upper mount) to the new coilover assembly if not pre-assembled. Ensure all collars are loose for initial height adjustment.
4. **Install New Coilovers:** Install the new coilover assemblies, securing the upper mounts first, then the lower mounting points. Reattach any disconnected lines or links.
5. **Initial Height Adjustment:** Before fully tightening, set an approximate ride height. Refer to Section 6 for detailed adjustment procedures.
6. **Tighten All Fasteners:** Torque all bolts and nuts to the vehicle manufacturer's specifications.
7. **Reinstall Wheels:** Mount the wheels and hand-tighten lug nuts. Lower the vehicle to the ground and torque lug nuts to specification.
8. **Post-Installation Checks:** Bounce the vehicle to settle the suspension. Check for any clearance issues or loose components.
9. **Wheel Alignment:** A professional wheel alignment is crucial after any suspension component replacement or adjustment.

SIMPLE INSTALL EASY TO ADJUST



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Image 5.1: Illustration of coilovers installed on a vehicle chassis, demonstrating ease of installation and adjustment.

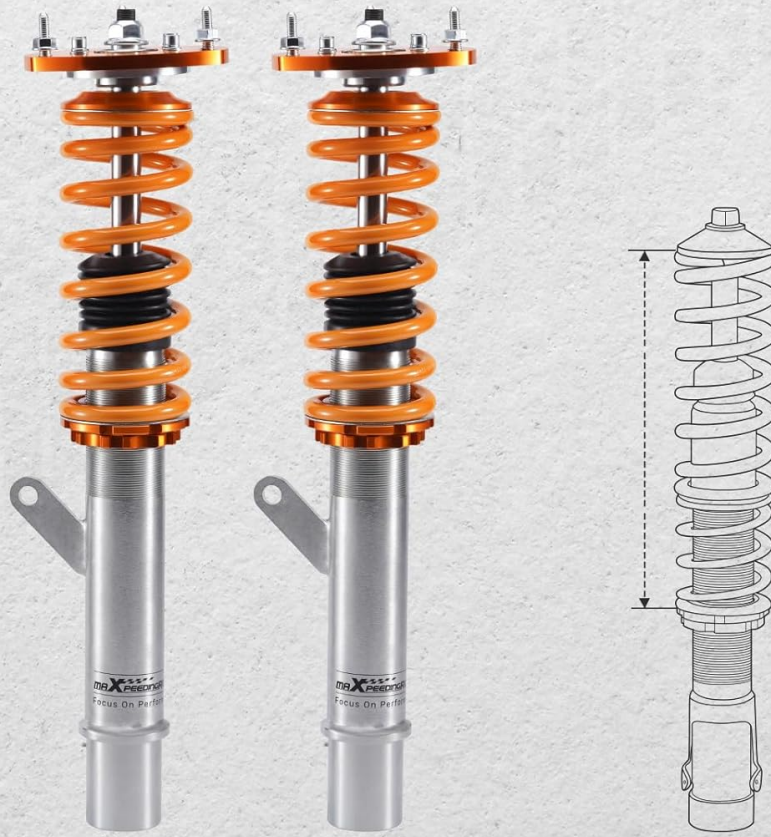
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Video 5.1: An overview video demonstrating the features and adjustability of B1 coilovers. This video provides visual context for the product's design and functionality.

6. HEIGHT ADJUSTMENT

The coilovers allow for precise ride height adjustment. Always adjust both sides of the vehicle (front or rear) equally to maintain balance.

HEIGHT ADJUSTABLE



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Image 6.1: Diagram illustrating the height adjustment mechanism of the coilovers.

Procedure:

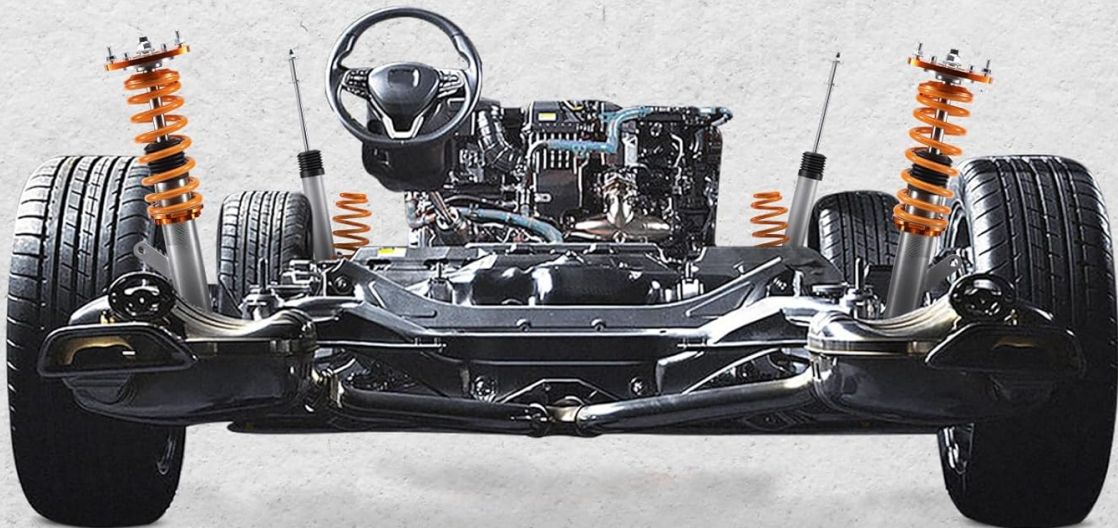
1. **Lift Vehicle:** Safely lift the vehicle so the wheels are off the ground and the suspension is unloaded.
2. **Loosen Locking Collars:** Use the provided C spanners to loosen the locking collars on the coilover body.
3. **Adjust Height:** Rotate the main adjustment collar to raise or lower the vehicle. Turning clockwise typically lowers the vehicle, while counter-clockwise raises it. Make small, incremental adjustments.
4. **Secure Locking Collars:** Once the desired height is achieved, tighten the locking collars firmly against the adjustment collar to prevent movement.
5. **Repeat for Other Side:** Ensure the corresponding coilover on the opposite side is adjusted to the exact same height.
6. **Lower Vehicle and Settle:** Lower the vehicle to the ground and drive a short distance or bounce the suspension to allow it to settle. Re-measure the ride height and make further fine adjustments if necessary.
7. **Final Alignment:** After all height adjustments are finalized, a professional wheel alignment is essential.

7. OPERATING CONSIDERATIONS

After installing coilovers, your vehicle's driving characteristics will change. Be aware of the following:

- **Improved Handling:** The coilovers are designed to provide improved handling and a more responsive feel, especially for street use.
- **Ride Comfort:** While designed for comfort, a lowered vehicle with performance suspension may have a firmer ride than stock.
- **Clearance:** Be mindful of reduced ground clearance, especially over speed bumps, potholes, and steep driveways, to avoid damage to the vehicle's undercarriage or suspension components.
- **Driving Style:** Adapt your driving style to the new suspension setup.

SIMPLE INSTALL EASY TO ADJUST



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Image 7.1: Coilovers designed for improved handling and comfortable street use.

8. MAINTENANCE

Regular inspection and maintenance will ensure the longevity and performance of your coilovers.

- **Regular Inspection:** Periodically inspect the coilovers for any signs of damage, leaks, corrosion, or loose components. Check the dust boots for tears.
- **Cleanliness:** Keep the coilover bodies and threads clean, especially after driving in harsh conditions

(e.g., snow, salt, dirt). This prevents corrosion and ensures smooth adjustment.

- **Lubrication:** Apply a thin layer of anti-seize grease to the adjustment threads if they become stiff or difficult to turn.
- **Torque Check:** Re-check the torque on all mounting bolts and nuts after the first 500 miles and periodically thereafter.
- **Wheel Alignment:** If you notice uneven tire wear or changes in handling, have your wheel alignment checked.

9. TROUBLESHOOTING

If you experience issues with your coilovers, consult this section for common problems and solutions.



Image 9.1: Visual indicators for when suspension struts may need attention, including difficult steering control, uneven tire wear, rattling or clunking noises, and uncomfortable driving.

Problem	Possible Cause	Solution
Uneven Ride Height	Incorrect adjustment; Settling of springs	Re-measure and adjust coilover height evenly on both sides. Allow suspension to settle.
Clunking/Rattling Noises	Loose mounting bolts; Components hitting chassis; Damaged top hat/bushings	Check all mounting bolts for proper torque. Inspect for clearance issues. Verify top hat and bushing integrity.
Excessive Bounciness/Harsh Ride	Incorrect spring preload; Damper malfunction; Improper installation	Ensure spring preload is set correctly (if applicable). Inspect dampers for leaks or damage. Re-check installation.
Oil Leaks from Damper	Damaged seal; Manufacturing defect	Contact customer support for warranty or replacement.
Poor Handling/Steering	Incorrect wheel alignment; Loose components; Damaged suspension parts	Get a professional wheel alignment. Inspect all suspension components for damage or looseness.

10. SPECIFICATIONS

Feature	Specification
Brand	maXpeedingrods
Model Number	XF30ZDE
Front Spring Rate	7 kg/mm (392 in/lbs)
Rear Spring Rate	5 kg/mm (280 in/lbs)
Adjustable Height	Lowering 35mm-75mm
Damper Structure	Twin-tube
Material	6061 Aluminum Alloy (T6), Carbon Steel, 55CrSi Steel, Rubber
Item Weight	55.3 pounds
Product Dimensions	27.95 x 19.69 x 7.87 inches
Auto Part Position	Front
Exterior Finish	Black (components), Gold (springs/collars)





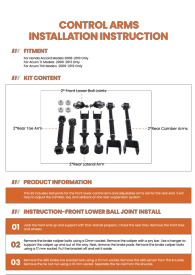

11. WARRANTY AND SUPPORT

maXpeedingrods is committed to providing quality products and customer satisfaction.

- **Customer Support:** For any questions regarding installation, operation, or troubleshooting, please contact maXpeedingrods customer support.
- **Expert Assistance:** Rely on the maXpeedingrods engineering team for expert assistance and guidance.
- **Returns:** This product is returnable until January 31, 2026. Please refer to the retailer's return policy for specific terms and conditions.



Image 11.1: Emphasizing easy installation, expert support, and customer-centric service provided by maXpeedingrods.

	<p>GMC Sierra 1500 Axle Lowering Drop Flip Kit Installation Guide maXpeedingrods</p> <p>Detailed installation instructions and kit contents for the maXpeedingrods Axle Lowering Drop Flip Kit, designed to lower the rear of GMC Sierra 1500 trucks by up to 7 inches. Includes step-by-step guidance and maintenance tips.</p>
	<p>MAXPEEDINGRODS Air Spring Kit Installation Guide for GMC Sierra & Chevrolet Silverado</p> <p>Detailed installation guide for the MAXPEEDINGRODS rear suspension leveling air spring kit, compatible with GMC Sierra and Chevrolet Silverado models. Includes pre-installation checks, step-by-step removal and installation instructions, and safety warnings.</p>
	<p>MAXpeedingRODS Suspension Kit Installation Guide for Ford F-250</p> <p>Detailed installation guide for the MAXpeedingRODS Rear Suspension Leveling Kit (ABK-TF2501723-VLC) for Ford F-250 2WD 4WD vehicles. Includes pre-installation notices and step-by-step instructions.</p>
	<p>Maxpeedingrods Rear Suspension Leveling Kit Installation Guide for Ford F-150 2WD 4WD</p> <p>A comprehensive installation guide for the Maxpeedingrods Rear Suspension Leveling Kit, designed for Ford F-150 2WD and 4WD vehicles. This guide details the step-by-step process for installing the kit, including pre-installation notices and a list of included components.</p>
	<p>Control Arms Installation Instructions for Honda Accord, Acura TL/TSX - maXpeedingrods CA-ACC-0813-LC</p> <p>Comprehensive installation guide for maXpeedingrods adjustable control arms (CA-ACC-0813-LC) for Honda Accord (2008-2013) and Acura TL/TSX (2009-2013). Includes front and rear arm installation steps for adjusting camber, toe, and setback.</p>
	<p>MAXPEEDINGRODS Air Spring Kit Installation Guide for Dodge Ram 2500/3500</p> <p>Comprehensive installation guide for the MAXPEEDINGRODS Rear Air Helper Spring Leveling Kit, designed for Dodge Ram 2500 and 3500 models. Includes a detailed parts list and step-by-step instructions for proper assembly and mounting.</p>