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› maXpeedingrods Coilovers for Lexus LS400 XF10 / Toyota Celsior (1990-1994) Instruction Manual

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Model: LS400 XF10 / Celsior

1. INTRODUCTION

This manual provides essential information for the installation, adjustment, and maintenance of your maXpeedingrods Height Adjustable Coilovers Suspension Kit. These coilovers are designed for specific vehicle models to enhance handling and allow for ride height customization.

Compatibility:

- Lexus LS400 XF10 (1990, 1991, 1992, 1993, 1994)
- Toyota Celsior (1990, 1991, 1992, 1993, 1994)

Please read this manual thoroughly before attempting any installation or adjustment.



Image 1.1: Overview of the maXpeedingrods Coilovers kit, including front and rear units.

2. SAFETY INFORMATION

Warning: Improper installation or adjustment of suspension components can lead to serious injury or vehicle damage. Professional installation by a qualified technician is highly recommended.

- Always 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.
- Use only appropriate tools for the task.
- Do not modify any components of the coilover kit.
- After installation, perform a wheel alignment to ensure proper vehicle handling and tire wear.

3. PRODUCT OVERVIEW AND COMPONENTS

The maXpeedingrods coilover kit includes the following main components:

- Front Coilover Assemblies (2)

- Rear Coilover Assemblies (2)
- C Spanners for Height Adjustment (2)

Key Features:

- **High Tensile Springs:** Front spring rate: 9 kg/mm (504 lbs/in). Rear spring rate: 10 kg/mm (556 lbs/in). These springs are tested for durability, showing less than 0.04% distortion after 600,000 continuous tests.
- **Height Adjustable:** Allows for 1-3 inches of lowering, providing a more aggressive stance. Note: This kit does not maintain original ride height.
- **Twin-tube Structure:** Offers a longer stroke and higher height adjustment range compared to mono-tube designs, contributing to a more comfortable ride by reducing joint pressure and minimizing friction.
- **Durable Material:** Constructed from 6061 aluminum alloy with T6 for increased hardness, high quality precision parts, high strength, and durability.



Image 3.1: Detail of the front rod, featuring a 22mm diameter for extended durability.

Rubber Top Mount

Light Weight & Less Noise



Image 3.2: CNC Billet Aluminum Perches and Locking Rings, essential for height adjustment.



Image 3.3: Lightweight rubber top mount designed to reduce noise.

Height Adjustable

Independent Ride Height And Spring
Tension Settings



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Image 3.4: Illustration of the rubber top mount and radial bearing, contributing to smooth operation.

Packaging List



Image 3.5: High rigidity 55CrSi steel cold-bent coil springs, engineered for performance and durability.

4. SETUP AND INSTALLATION

Installation of coilovers requires mechanical expertise and specialized tools. It is strongly recommended that installation be performed by a certified automotive technician.

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

1. Safely lift and support the vehicle. Remove wheels.
2. Remove existing suspension components (struts, springs, etc.).
3. Install the new maXpeedingrods coilover assemblies. Ensure all bolts are torqued to manufacturer specifications.
4. Adjust the ride height as desired (refer to Section 5).
5. Reinstall wheels and lower the vehicle.
6. Perform a professional wheel alignment immediately after installation to prevent premature tire wear and ensure safe handling.

Important: The coilovers are designed for a lowered stance and will not maintain the original ride height of

your vehicle.

5. OPERATING AND ADJUSTMENT

Ride Height Adjustment:

The coilovers allow for a ride height adjustment range of 1 to 3 inches lower than stock. This adjustment is performed using the provided C spanners to rotate the locking rings on the coilover body.

1. Safely lift and support the vehicle to relieve pressure from the suspension.
2. Loosen the upper locking ring using a C spanner.
3. Rotate the lower spring perch to achieve the desired ride height. Turning clockwise will lower the vehicle; counter-clockwise will raise it.
4. Once the desired height is set, tighten the upper locking ring against the lower spring perch to secure the adjustment.
5. Repeat for all four coilovers, ensuring consistent height settings across the axle (front left/right, rear left/right).
6. Lower the vehicle and bounce the suspension to settle it. Re-check ride height and adjust as necessary.

Note: The damping force of these coilovers is preset and not user-adjustable.

Dimension Details



Image 5.1: Diagram illustrating independent ride height and spring tension settings.

6. MAINTENANCE

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

- **Regular Inspection:** Periodically inspect all coilover components for signs of wear, damage, or leaks. Check for loose bolts or nuts.
- **Cleaning:** Keep the coilover bodies and springs clean from dirt, salt, and debris, especially after driving in harsh conditions. Use mild soap and water.
- **Torque Checks:** After the initial installation and after approximately 500 miles, re-check the torque on all mounting bolts and nuts. Refer to your vehicle's service manual for specific torque values.
- **Alignment:** If you notice uneven tire wear or changes in handling, have a professional alignment performed.

7. TROUBLESHOOTING

If you experience any issues with your coilovers, consider the following common troubleshooting steps:

Symptom	Possible Cause	Solution
Unusual noises (clunking, squeaking)	Loose mounting bolts, worn bushings, improper installation.	Inspect all mounting points and torque to specifications. Check for damaged bushings. Re-install if necessary.
Uneven ride height	Incorrect height adjustment, uneven spring preload.	Re-adjust ride height on all four corners, ensuring consistency.
Poor handling or steering response	Incorrect wheel alignment, improper tire pressure.	Have a professional wheel alignment performed. Check tire pressures.
Leaking shock absorber	Damaged seal or internal component.	Contact maXpeedingrods customer support for assistance or warranty claim.

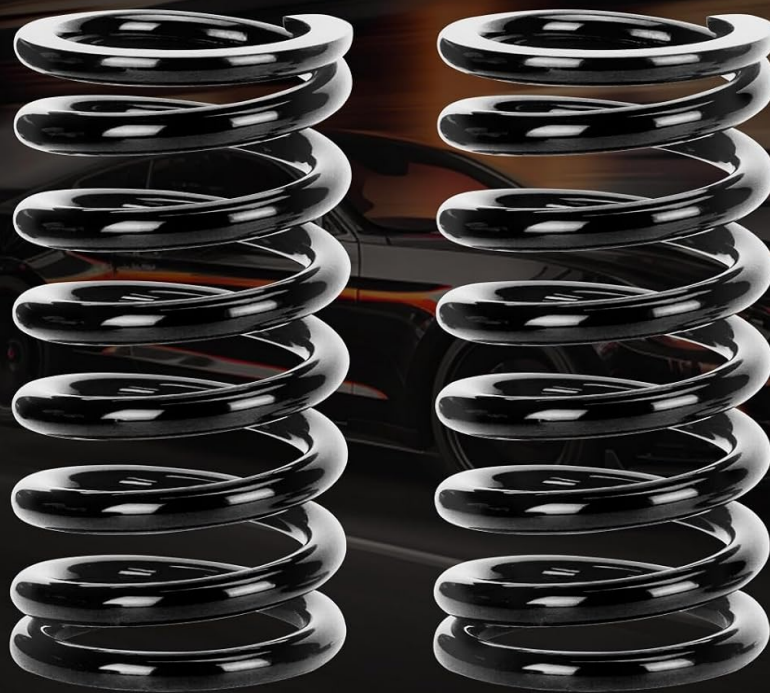
If problems persist after attempting these steps, please contact maXpeedingrods customer support.

8. SPECIFICATIONS

Feature	Detail
Compatibility	Lexus LS400 XF10 (1990-1994), Toyota Celsior (1990-1994)
Front Spring Rate	9 kg/mm (504 lbs/in)
Rear Spring Rate	10 kg/mm (556 lbs/in)
Height Adjustment Range	1-3 inches lowering from stock
Shock Absorber Type	Twin-tube, Preset Damping
Material	6061 Aluminum Alloy with T6
Exterior Finish	Aluminum
Auto Part Position	Front and Rear (Full Kit)

High Rigidity Spring

55CrSi Steel Cold-Bent Coil Springs



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Image 8.1: Detailed dimensions for front and rear coilover units, including spring rates and lengths.

9. WARRANTY AND SUPPORT

Warranty Information:

For specific warranty terms and conditions, please refer to the documentation included with your product or visit the official maXpeedingrods website. Generally, products are covered by a manufacturer's warranty against defects in materials and workmanship.

Customer Support:

If you have any questions, require technical assistance, or need to initiate a return or warranty claim, please contact maXpeedingrods customer support. You may find contact information on the maXpeedingrods official website or through your point of purchase.

Returns: This product typically includes a 30-day easy return policy from the seller, maXpeedingrods-us.

For direct support, please visit the [maXpeedingrods Store on Amazon](#) or contact their customer service department.

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