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## Eibach E10-60-013-03-22

# Eibach E10-60-013-03-22 Performance Pro-Kit Springs Instruction Manual

For Mitsubishi Lancer Sportback (CX-A)

## 1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Eibach E10-60-013-03-22 Performance Pro-Kit Springs. These springs are engineered to enhance your vehicle's handling and appearance by lowering its center of gravity and optimizing suspension characteristics. Please read this manual thoroughly before proceeding with installation or use.

## 2. SAFETY INFORMATION

**WARNING: Installation of suspension components should only be performed by qualified professionals. Improper installation can lead to serious injury, vehicle damage, or loss of vehicle control.**

- Always use appropriate safety equipment, including eye protection and gloves.
- Ensure the vehicle is securely supported on a lift or jack stands before beginning any work. Never rely solely on a jack.
- Use proper spring compressors when removing or installing coil springs to prevent uncontrolled release, which can cause severe injury.
- Refer to your vehicle's service manual for specific torque specifications and procedures.
- After installation, perform a wheel alignment to ensure correct vehicle geometry.

## 3. PRODUCT OVERVIEW

The Eibach Pro-Kit consists of a set of performance coil springs designed to replace your vehicle's original equipment springs. These springs feature a progressive design, which means they become stiffer as they are compressed, providing a balance of comfortable ride quality and enhanced handling performance.



This image displays the Eibach Pro-Kit Performance Springs, showcasing a set of four dark grey coil springs along with their retail packaging. The packaging highlights 'PRO-KIT | SPORTLINE' and lists key features such as 'Performance Handling' and 'Lower Centre of Gravity'.

## 4. SETUP AND INSTALLATION

Installation of the Eibach Pro-Kit Springs requires specialized tools and automotive knowledge. It is strongly recommended that installation be performed by a certified automotive technician.

### General Installation Steps (Consult a professional for detailed vehicle-specific instructions):

- 1. Prepare Vehicle:** Park the vehicle on a level surface, engage the parking brake, and loosen the lug nuts on the wheels.
- 2. Lift Vehicle:** Safely lift the vehicle using a hydraulic lift or jack stands, ensuring it is stable. Remove the wheels.
- 3. Disassemble Suspension:** Carefully disconnect necessary suspension components (e.g., sway bar links, brake lines, ABS sensors, shock/strut mounts) to allow the strut or spring assembly to be removed.
- 4. Compress Springs:** Using a certified spring compressor, carefully compress the original coil spring until tension is relieved from the upper and lower mounts.
- 5. Remove Old Spring:** Disassemble the strut or spring assembly and remove the original spring.
- 6. Install New Spring:** Place the Eibach Pro-Kit spring onto the strut or shock assembly. Ensure proper orientation as specified by Eibach (if applicable). Compress the new spring using the spring compressor.
- 7. Reassemble Suspension:** Reassemble the strut or spring assembly and reinstall it into the vehicle. Reconnect all disconnected components, ensuring all bolts are torqued to manufacturer specifications.
- 8. Lower Vehicle & Final Checks:** Lower the vehicle, tighten lug nuts to specification, and perform a final inspection of all connections.
- 9. Wheel Alignment:** A professional wheel alignment is mandatory after spring installation to correct camber, caster, and toe settings for optimal handling and tire wear.

## 5. OPERATING CHARACTERISTICS

Once installed, the Eibach Pro-Kit Springs will alter your vehicle's driving dynamics:

- **Lowered Center of Gravity:** The vehicle's ride height will be reduced by up to 40 mm, leading to a lower center of gravity. This significantly reduces body roll during cornering and improves overall stability.
- **Enhanced Handling:** The progressive spring design provides a firmer ride during aggressive driving, improving steering response and cornering grip.
- **Reduced Pitch and Dive:** The springs help to minimize the vehicle's forward dive during braking and

rearward squat during acceleration.

- **Improved Aesthetics:** The reduced fender gap between the tires and wheel arches gives the vehicle a more aggressive and sporty appearance.

## 6. MAINTENANCE

Eibach Pro-Kit Springs are designed for durability and require minimal maintenance. However, regular inspection of your suspension components is recommended:

- **Visual Inspection:** Periodically inspect the springs for any signs of damage, corrosion, or cracks.
- **Cleanliness:** Keep the springs and surrounding suspension components clean to prevent buildup of dirt and debris.
- **Check Other Components:** Ensure that shock absorbers, strut mounts, bushings, and other suspension components are in good condition and free from wear or damage. Worn components can negatively impact the performance of your new springs.
- **Torque Checks:** If you suspect any loose fasteners, have a qualified technician check and re-torque all suspension bolts to factory specifications.

## 7. TROUBLESHOOTING

If you experience any issues after installing your Eibach Pro-Kit Springs, consider the following:

- **Uneven Ride Height:** Ensure springs are correctly seated and installed on the correct corners of the vehicle. A post-installation alignment is crucial.
- **Unusual Noises (Clunking/Squeaking):** Check all fasteners for proper torque. Inspect for any components making contact that shouldn't be. Worn strut mounts or bushings can also cause noise.
- **Poor Handling/Ride Quality:** Verify that the springs are compatible with your vehicle's shock absorbers. Worn shocks will not perform optimally with performance springs. A professional alignment is essential for proper handling.
- **Bottoming Out:** Ensure bump stops are correctly installed and in good condition. If the vehicle frequently bottoms out, it may indicate an issue with shock travel or spring rate.

For persistent issues, consult a professional automotive technician.

## 8. SPECIFICATIONS

Specification	Detail
Manufacturer	Heinrich Eibach GmbH
Brand	Eibach
Item Model Number	E10-60-013-03-22
Manufacturer Part Number	E10-60-013-03-22
Item Weight	15.4 pounds
Product Dimensions	25.2 x 7.09 x 14.96 inches
Exterior Finish	Painted

## 9. WARRANTY INFORMATION

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Eibach products are manufactured to high standards and typically come with a limited warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the official Eibach website or contact Eibach customer service directly. Keep your proof of purchase for any warranty claims.

## 10. CUSTOMER SUPPORT

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If you have any questions regarding the Eibach E10-60-013-03-22 Performance Pro-Kit Springs, installation, or performance, please contact:

- **Eibach Customer Service:** Refer to the official Eibach website for contact details (phone, email, support portal).
- **Authorized Eibach Dealer:** Contact the retailer or installer from whom you purchased the product.