

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [Eibach](#) /
- › [Eibach E10-65-013-02-22 Performance Pro-Kit Springs User Manual](#)

Eibach E10-65-013-02-22

Eibach Performance Pro-Kit Springs

Model: E10-65-013-02-22

[Overview](#) [Specifications](#) [Introduction](#) [Safety Information](#) [Product](#)
[Installation](#) [Operation](#) [Maintenance](#) [Troubleshooting](#) [Warranty & Support](#)

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Eibach Performance Pro-Kit Springs, Model E10-65-013-02-22. These springs are designed to enhance vehicle handling and aesthetics by lowering the center of gravity. Please read this manual thoroughly before proceeding with installation or use.

2. SAFETY INFORMATION

WARNING: Improper installation or use of suspension components can lead to serious injury or death. Always seek professional assistance for installation if you are not fully competent in automotive suspension work.

- Ensure the vehicle is securely supported on jack stands or a lift before beginning any work.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Never work under a vehicle supported only by a jack.
- Use proper tools for spring compression and removal. Compressed springs store significant energy and can cause severe injury if released improperly.
- After installation, perform a wheel alignment to ensure proper vehicle handling and tire wear.
- Verify all fasteners are torqued to manufacturer specifications.

3. PRODUCT OVERVIEW

The Eibach Pro-Kit Springs are precision-engineered performance springs designed to work with your vehicle's original or aftermarket dampers. They offer a lower center of gravity, reducing squat during acceleration, body roll in

corners, and excessive nose-dive under braking. This results in improved handling and a more aggressive stance.

Key Features:

- Top-performance handling characteristics.
- Lowers vehicle up to 40 mm (approx. 30 mm front/rear for specified models).
- Progressive spring design for excellent ride quality and performance.
- Part of the B12 Pro-Kit system.



Figure 3.1: Eibach Pro-Kit Springs, showing the product packaging and a set of springs. The packaging highlights "PRO-KIT SPORTLINE" and "Performance Suspension" with Eibach branding.



Figure 3.2: A set of four Eibach Pro-Kit Springs, illustrating their coiled design and dark finish. The Eibach logo is visible on the springs.

4. SPECIFICATIONS

Attribute	Value
Model Number	E10-65-013-02-22
Brand	Eibach
Manufacturer	Heinrich Eibach GmbH
Approx. Lowering Front	30 mm
Approx. Lowering Rear	30 mm
Axle-Load Front	1075 kg
Axle-Load Rear	860 kg
Item Weight	21.1 pounds (approx. 9.57 kg)
Product Dimensions	25.2 x 7.09 x 14.96 inches

Attribute	Value
Compatible Vehicles	Opel Astra H + GTC (Year: 04.04 -), including 1.3 CDTI, 1.7 CDTI, 1.9 CDTI, 1.6 Turbo, 2.0 Turbo models.
Position	Rear (as listed in specifications, typically part of a front/rear kit)

Note: Specifications are subject to change without notice. Always verify compatibility with your specific vehicle model and year before installation.

5. INSTALLATION

IMPORTANT: Installation of suspension components requires specialized tools and knowledge. It is highly recommended that these springs be installed by a qualified automotive technician.

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

1. Preparation:

- Park the vehicle on a level surface and engage the parking brake.
- Loosen lug nuts on the wheels to be removed.
- Safely lift the vehicle using a hydraulic lift or jack stands. Ensure the vehicle is stable.
- Remove the wheels.

2. Disassembly of Original Suspension:

- Carefully disconnect brake lines, ABS sensors, and sway bar links as necessary to allow suspension travel.
- Using a spring compressor, safely compress the original coil spring.
- Remove the top hat/strut mount nuts and lower suspension bolts.
- Carefully remove the original strut/shock assembly from the vehicle.
- Decompress and remove the original spring from the strut/shock assembly.

3. Installation of Eibach Pro-Kit Springs:

- Inspect the strut/shock for wear and replace if necessary. It is often recommended to replace dampers when installing lowering springs.
- Place the Eibach Pro-Kit spring onto the strut/shock assembly. Ensure proper orientation as per Eibach's markings (if any).
- Use a spring compressor to compress the new Eibach spring sufficiently to reattach the top hat/strut mount.
- Reassemble the strut/shock assembly.

4. Reinstallation into Vehicle:

- Carefully reinsert the assembled strut/shock into the vehicle's suspension mounts.
- Reattach all disconnected components (brake lines, ABS sensors, sway bar links) and tighten all bolts to vehicle manufacturer's torque specifications.
- Repeat for all four corners of the vehicle.

5. Post-Installation:

- Reinstall wheels and torque lug nuts to specification.
- Lower the vehicle slowly.
- Allow the suspension to settle by driving the vehicle gently for a short period.
- **Crucial:** Perform a professional wheel alignment immediately after installation. Lowering springs significantly alter suspension geometry, requiring alignment to prevent premature tire wear and ensure safe handling.

6. OPERATION AND DRIVING CHARACTERISTICS

After installing the Eibach Pro-Kit Springs, you will notice a change in your vehicle's driving dynamics. The lower center of gravity and progressive spring rate contribute to:

- **Improved Handling:** Reduced body roll during cornering, enhanced steering response, and better stability at higher speeds.
- **Reduced Pitch and Dive:** Less nose-dive under braking and reduced squat during acceleration.
- **Aesthetic Enhancement:** A more aggressive and sporty stance due to the lowered ride height.
- **Ride Quality:** While performance-oriented, Eibach Pro-Kit springs are designed to maintain excellent ride quality for daily driving, though it may be firmer than stock.

It is important to drive cautiously after installation to familiarize yourself with the new handling characteristics. Avoid aggressive driving until you are comfortable with the vehicle's response.

7. MAINTENANCE

Eibach Pro-Kit Springs are designed for durability and require minimal specific maintenance. However, regular inspection of your vehicle's suspension components is crucial for safety and performance.

- **Regular Inspection:** Periodically inspect the springs for any signs of damage, corrosion, or cracks. Check for proper seating in the spring perches.
- **Dampers/Shocks:** While springs are durable, the dampers (shocks/struts) will experience increased wear due to the lowered ride height and potentially firmer spring rate. Inspect dampers for leaks or reduced effectiveness and replace as needed.
- **Alignment Checks:** Recheck wheel alignment periodically, especially after any significant impact or if uneven tire wear is observed.
- **Cleaning:** Keep the springs and surrounding suspension components clean from excessive dirt, salt, and debris, which can accelerate corrosion.

8. TROUBLESHOOTING

If you experience issues after installing your Eibach Pro-Kit Springs, consider the following common problems and solutions:

Problem	Possible Cause(s)	Solution
---------	-------------------	----------

Problem	Possible Cause(s)	Solution
Uneven Ride Height	<ul style="list-style-type: none"> • Incorrect spring installation (e.g., wrong spring on wrong corner). • Springs not fully settled. • Damaged or worn spring perches/insulators. 	<ul style="list-style-type: none"> • Verify correct spring placement according to vehicle and spring markings. • Drive the vehicle for a few days to allow springs to settle. • Inspect and replace worn suspension components.
Excessive Noise (Clunking/Squeaking)	<ul style="list-style-type: none"> • Loose suspension bolts. • Worn or missing spring insulators/bushings. • Contact between spring and chassis/suspension components. • Worn end links or ball joints. 	<ul style="list-style-type: none"> • Re-torque all suspension fasteners to factory specifications. • Inspect and replace spring insulators or bushings. • Check for clearance issues; ensure springs are seated correctly. • Inspect and replace worn suspension components.
Poor Handling / Unstable Ride	<ul style="list-style-type: none"> • Incorrect wheel alignment. • Worn or incompatible dampers/shocks. • Other worn suspension components (e.g., control arm bushings). 	<ul style="list-style-type: none"> • Perform a professional wheel alignment. • Consider upgrading to performance dampers designed for lowering springs. • Inspect and replace any worn suspension components.

If problems persist, contact a qualified automotive technician or Eibach customer support for further assistance.

9. WARRANTY AND SUPPORT

Eibach products are manufactured to high standards and are typically backed by a limited warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Eibach website.

For technical support, installation inquiries, or warranty claims, please contact Eibach customer service directly. Contact information can usually be found on their official website or product packaging.

Eibach Official Website: [eibach.com](https://www.eibach.com)