

Manuals+

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

manuals.plus /

- › [Eibach](#) /
- › [Eibach E10-65-001-01-22 Performance Pro-Kit Springs User Manual](#)

Eibach E10-65-001-01-22

Eibach Pro-Kit Performance Springs User Manual

Model: E10-65-001-01-22

1. PRODUCT OVERVIEW

The Eibach Pro-Kit Performance Springs are engineered to enhance vehicle handling and aesthetics. This system is designed to lower the vehicle's center of gravity, which contributes to reduced body roll during cornering, decreased squat during acceleration, and minimized nose-dive during braking. The progressive spring design ensures a balance between sporty performance and ride comfort.

This manual provides essential information regarding the installation, operation, maintenance, and specifications of your Eibach Pro-Kit springs.

2. SAFETY INFORMATION

Always prioritize safety when working with vehicle suspension components. Improper installation or handling can lead to serious injury or vehicle damage. Adhere to the following safety guidelines:

- **Professional Installation Recommended:** Due to the specialized tools and knowledge required, installation of these springs should only be performed by a qualified automotive technician.
- **Use Proper Equipment:** Ensure all lifting and support equipment (jacks, jack stands, spring compressors) are rated for the vehicle's weight and are in good working condition.
- **Wear Personal Protective Equipment (PPE):** Always wear safety glasses, gloves, and appropriate footwear.
- **Consult Vehicle Service Manual:** Refer to your vehicle's specific service manual for detailed instructions on suspension component removal and installation.
- **Spring Compressor Safety:** Exercise extreme caution when using spring compressors. Compressed springs store significant energy and can cause severe injury if released improperly.

3. SETUP AND INSTALLATION

The Eibach Pro-Kit springs are designed as a direct replacement for your vehicle's original equipment springs. Proper installation is crucial for optimal performance and safety.

3.1 Pre-Installation Checks

- Verify that the Pro-Kit springs (Model E10-65-001-01-22) are compatible with your specific vehicle make, model, and year (Opel Astra G Coupe).

- Inspect all components for any signs of shipping damage or manufacturing defects before beginning installation.
- Ensure all necessary tools, including a spring compressor, torque wrench, and vehicle-specific wrenches/sockets, are available.

3.2 Installation Procedure (Overview)

This is a general overview. Always follow the detailed instructions in your vehicle's service manual and any specific instructions provided by Eibach.

1. Safely lift and support the vehicle on a level surface using appropriate jack stands.
2. Remove the wheels.
3. Carefully disassemble the existing suspension components (struts/shocks, original springs) according to the vehicle service manual.
4. Using a certified spring compressor, safely compress the original springs to remove them from the strut/shock assembly.
5. Install the Eibach Pro-Kit springs onto the strut/shock assembly, ensuring correct orientation and seating.
6. Reassemble the suspension components, tightening all fasteners to the vehicle manufacturer's specified torque values.
7. Reinstall the wheels and lower the vehicle.
8. Perform a wheel alignment after installation to ensure proper vehicle handling and tire wear.



Figure 1: Eibach Pro-Kit Performance Springs (Set of 4) with packaging.

4. OPERATING CHARACTERISTICS

Once installed, the Eibach Pro-Kit springs will alter your vehicle's ride dynamics. You can expect the following changes:

- **Lowered Stance:** The vehicle's ride height will be reduced, typically up to 40 mm, providing a more aggressive and sporty appearance. This also reduces the gap between the tires and wheel arches.
- **Improved Handling:** The lower center of gravity and progressive spring rate contribute to enhanced cornering stability and reduced body roll.
- **Reduced Pitch and Squat:** The springs help minimize the vehicle's nose-dive during braking and squat during acceleration, leading to a more controlled feel.
- **Optimized Performance:** Designed to work effectively with appropriate wheels and tires, maximizing overall vehicle performance.



PRO-KIT

Performance Fahrwerksfedern
Performance Springs



Figure 2: Eibach Pro-Kit Performance Springs illustrating their design.

5. MAINTENANCE

Eibach Pro-Kit springs are designed for durability and require minimal maintenance. However, regular inspection of your vehicle's suspension components is recommended to ensure continued performance and safety.

- **Periodic Inspection:** During routine vehicle servicing, have a qualified technician inspect the springs for any signs of damage, corrosion, or fatigue. Check for proper seating and clearance.
- **Cleanliness:** Keep the springs and surrounding suspension components free from excessive dirt, salt, and debris, which can accelerate wear or corrosion.
- **Alignment Checks:** Regularly check and adjust wheel alignment, especially after any significant impact or suspension work, to prevent uneven tire wear and maintain handling characteristics.
- **Shock Absorber Condition:** Ensure your shock absorbers are in good condition. Worn shocks can negatively impact ride quality and handling, even with new springs.

6. TROUBLESHOOTING

If you experience any issues after installing your Eibach Pro-Kit springs, consider the following common concerns. Always consult a qualified technician for diagnosis and repair.

Symptom	Possible Cause	Action
Unusual noises (clunking, squeaking) from suspension	Improperly torqued fasteners, worn bushings, spring not seated correctly, interference with other components.	Have a technician inspect all suspension components for proper installation and wear.
Poor ride quality (too harsh or bouncy)	Worn or incompatible shock absorbers, incorrect tire pressure, improper installation.	Check tire pressure. Inspect shock absorbers for leaks or wear. Ensure springs are correctly installed.
Uneven ride height	Incorrect spring installation, damaged spring, vehicle load imbalance.	Verify spring part numbers and installation orientation. Inspect springs for damage.
Excessive tire wear	Incorrect wheel alignment, worn suspension components.	Perform a professional wheel alignment. Inspect other suspension components (ball joints, tie rods, bushings).

7. SPECIFICATIONS

Key specifications for the Eibach Pro-Kit Performance Springs (Model E10-65-001-01-22):

- **Model Number:** E10-65-001-01-22
- **Application:** Opel Astra G Coupe
- **Type:** Performance Lowering Springs (Pro-Kit)
- **Lowering:** Up to 40 mm (approx. 1.6 inches)
- **Design:** Progressive Spring Design
- **Position:** Rear
- **Item Weight:** Approximately 17.38 pounds (for the set)
- **Product Dimensions:** Approximately 25.2 x 7.09 x 14.96 inches (packaging dimensions)
- **Exterior Finish:** Painted

8. WARRANTY INFORMATION

Eibach products are manufactured to high standards and typically come with a limited warranty against defects in materials and workmanship. The specific terms and duration of the warranty may vary by region and product. For detailed warranty information, including coverage, limitations, and how to make a claim, please refer to the official Eibach website or contact an authorized Eibach dealer.

It is important to retain your proof of purchase and ensure professional installation to validate any warranty claims.

9. SUPPORT AND CONTACT

For technical assistance, product inquiries, or support regarding your Eibach Pro-Kit springs, please utilize the following resources:

- **Official Eibach Website:** Visit the official Eibach website for product documentation, FAQs, and contact information.
- **Authorized Dealers:** Contact the authorized Eibach dealer or installer from whom you purchased the product. They can provide localized support and service.
- **Customer Service:** Refer to the contact section on the Eibach website for direct customer service options.

When contacting support, please have your product model number (E10-65-001-01-22) and proof of purchase readily available.