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Eibach PSS65-20-014-02-22

Eibach Pro-Street-S PSS65-20-014-02-22 Coilover Kit Instruction Manual

Model: PSS65-20-014-02-22

Brand: Eibach

INTRODUCTION

This manual provides essential information for the Eibach Pro-Street-S PSS65-20-014-02-22 Coilover Kit. It is designed for BMW 3 Touring (E91) models including 316I, 318I, 320I, 323I, 325I, 328I, 330I, 318D, and 320D. Proper installation and maintenance are crucial for optimal performance and safety of your vehicle's suspension system.

SAFETY INFORMATION

Important Safety Notice:

Installation of suspension components should only be performed by qualified automotive technicians. Incorrect installation can lead to serious injury or vehicle damage. Always follow vehicle manufacturer's service manual procedures and Eibach's specific instructions.

- Wear appropriate personal protective equipment (PPE) such as safety glasses and gloves.
- Ensure the vehicle is securely supported on jack stands or a lift before beginning any work.
- Do not modify any components of the coilover kit.
- After installation, perform a wheel alignment and check all fasteners for proper torque.

WHAT'S IN THE BOX

The Eibach Pro-Street-S Coilover Kit typically includes the following components:

- Eibach Pro-Street-S Coilover Struts (Front and Rear)
- Eibach Springs (Front and Rear)
- Adjustment Wrenches
- Installation Hardware (as required)



Image: Overview of the Eibach Pro-Street-S Coilover Kit, showing front coilover assemblies, rear shocks, rear springs, and adjustment wrenches.

SETUP AND INSTALLATION

Professional Installation Recommended:

Due to the complexity and safety-critical nature of suspension components, professional installation by a certified mechanic is strongly recommended. This section provides general steps; consult a professional service manual for detailed, vehicle-specific instructions.

General Installation Steps

- 1. Preparation:** Safely lift and support the vehicle. Remove wheels.
- 2. Removal of OEM Suspension:** Disconnect and remove the original shock absorbers, springs, and associated hardware.
- 3. Front Coilover Installation:**
 - Assemble the front coilover units if not pre-assembled.
 - Install the front coilover into the vehicle's strut tower and lower control arm.
 - Secure all mounting bolts to the manufacturer's specified torque.



Image: A detailed view of the Eibach Pro-Street-S front coilover strut, highlighting the threaded body and spring perch for height adjustment.

4. Rear Shock and Spring Installation:

- Install the rear shock absorbers and separate rear springs.
- Ensure springs are correctly seated in their perches.
- Secure all mounting bolts to the manufacturer's specified torque.



Image: A close-up of the Eibach Pro-Street-S rear springs, showing their distinct red color and coil design.

5. Height Adjustment:

- Use the provided adjustment wrenches to set the desired ride height. Refer to Eibach's specific guidelines for recommended height ranges.
- Ensure both sides of the vehicle are adjusted evenly.



Image: A detailed view of the threaded body and adjustable spring perch on an Eibach Pro-Street-S coilover, used for ride height adjustment.

6. **Final Checks:** Reinstall wheels, lower the vehicle, and re-torque wheel lug nuts.
7. **Alignment:** A professional wheel alignment is mandatory after any suspension component replacement or adjustment to ensure proper handling and tire wear.

OPERATING YOUR EIBACH PRO-STREET-S COILOVERS

The Eibach Pro-Street-S Coilover Kit provides adjustable ride height, allowing you to customize your vehicle's stance and handling characteristics.

Ride Height Adjustment

Ride height is adjusted by rotating the spring perch on the threaded shock body. Lowering the vehicle will generally result in a firmer ride and improved cornering stability. Raising the vehicle will increase ground clearance.

- Always adjust both sides of an axle (front or rear) equally to maintain vehicle balance.
- After any significant height adjustment, a wheel alignment is required.
- Do not exceed the minimum or maximum ride height recommendations provided by Eibach to ensure safe operation and prevent damage.

MAINTENANCE

Regular inspection and maintenance will prolong the life and performance of your Eibach Pro-Street-S Coilover Kit.

- **Regular Inspection:** Periodically inspect all suspension 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 in harsh weather conditions. Use mild soap and water.
- **Corrosion Protection:** In areas with road salt or high humidity, consider applying a corrosion-inhibiting spray to exposed metal parts, avoiding seals.
- **Re-torque:** After the initial installation and after approximately 500-1000 miles, re-torque all suspension fasteners to the manufacturer's specifications.

TROUBLESHOOTING COMMON ISSUES

Noise from Suspension

- **Cause:** Loose fasteners, worn bushings, or components rubbing.
- **Solution:** Inspect all mounting points and fasteners for proper torque. Check for any contact between suspension components and other vehicle parts.

Uneven Ride Height

- **Cause:** Unequal adjustment, settled springs, or damaged components.
- **Solution:** Measure ride height at all four corners and adjust as necessary. Ensure adjustments are made on a level surface.

Poor Handling or Premature Tire Wear

- **Cause:** Incorrect wheel alignment, improper tire pressure, or damaged suspension components.
- **Solution:** Have a professional wheel alignment performed. Check tire pressures. Inspect for any damaged or worn parts.

If you experience persistent issues, consult a qualified automotive technician or contact Eibach customer support.

PRODUCT SPECIFICATIONS

Feature	Detail
Brand	Eibach
Model	PSS65-20-014-02-22
Compatible Vehicle	BMW 3 Touring (E91) 316I, 318I, 320I, 323I, 325I, 328I, 330I, 318D, 320D
Item Weight	50.7 pounds
Product Dimensions	29.92 x 5.91 x 17.32 inches
Manufacturer	Heinrich Eibach GmbH

Feature	Detail
ASIN	B00D9PC9RA
Manufacturer Part Number	PSS65-20-014-02-22
First Available	November 5, 2014

WARRANTY INFORMATION

Eibach products are manufactured to high standards. For specific warranty terms and conditions, please refer to the official Eibach website or contact their customer service directly. Keep your proof of purchase for any warranty claims.

CUSTOMER SUPPORT

For technical assistance, installation questions, or warranty inquiries, please contact Eibach customer support through their official website.

You can find more information and contact details on the official Eibach website: www.eibach.com