Installation Instructions

Eibach Springs, Inc. • 264 Mariah Circle • Corona, California 92879-1751 • USA • Tech Support 800-222-8811 Ext 114

Pro-Kit – #3882.520

(Will Not Lower Models With Premium Ride Suspension)

CHEVROLET - Tahoe, Suburban, Avalanche – V-8 2001-2003
GMC - Yukon, Yukon XL – V-8 2001-2003
CADILLAC – Escalade, Escalade EXT– V-8 2001-2003

Kit Contents	Description	Part Number	Qty
	Rear Springs	3882.102	2
	Information Kit	EPAK	1
	Instructions	3882.520INST	1
	Front Sensor Links (Long)	38106.FHA	2
	Rear Sensor Links (Short)	38106.RHA	2

NOTES: Read All Instructions Before Beginning Installation

- **Installation of a *PRO-KIT* Spring** set should only be performed by a qualified mechanic experienced in the installation and removal of suspension springs.
- **Use of a hoist** is highly recommended and will substantially reduce installation time.
- **Never work on or under a vehicle** unless it is properly supported by safety stands and wheels are blocked.
- ***PRO-KIT*** Springs are marked with 01 and 02 (located at the end of the part number) designating front and rear spring respectively.
- ***PRO-KIT*** Springs should be installed with the Eibach Logo right side up. All original stock spring isolators, dampers and tubing should be retained from the stock springs and used when installing the ***PRO-KIT*** Springs.
- **After installation**, it is always important to inspect and adjust the following if necessary:
  - Wheel alignment such as camber, caster & toe
  - Tire and/or wheel fender clearance
  - Brake line clearance and attachments
  - Brake anti-locking and anti-skid system sensors
- **Tire Rotation:** In order to increase the life of your tires, it is recommended to rotate your tires every 3,000 miles.

ALIGNMENT:

After installation, it will be necessary to perform a full vehicle alignment to ensure proper tire wear and performance.

Additional Eibach Components Available For Your SUV

Eibach Kits	Part Number	Description /	Front	Rear
Anti-Roll Kit	3882.320	2001-2003	35MM Tubular	32MM Tubular
3" Pro-Kit	3887.520	2001-2003	50MM	75MM

REAR Spring Removal & Installation

1. After the vehicle is raised and supported at the frame by safety stands or a hoist, remove the rear tires.

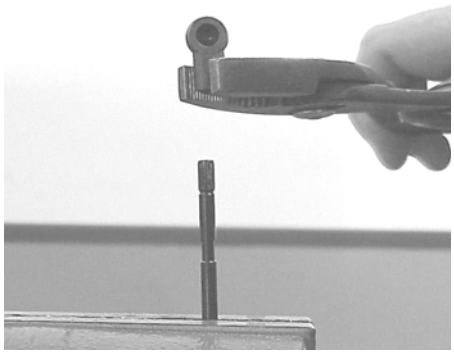
2. **This Step For Auto Ride Suspension Only.** As pictured in the photo below, remove both the left and right ride height sensors by "popping" the sockets off the ball with a screwdriver. Save the links.

3. Once the ride height sensor links are removed (if equipped), raise the rear axle housing with a jack to take the tension off the shocks. Now disconnect the anti-roll bar end-links and the lower rear shock mounts.

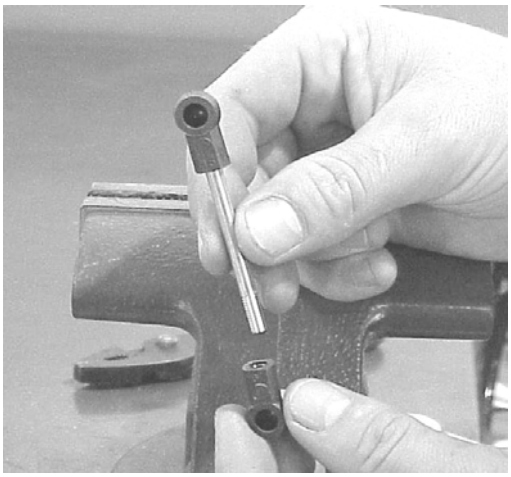
4. Lower the axle housing only enough to remove the coil springs. The upper and lower rubber springs pads will be reused with the Eibach Pro-Kit. Now clean any dirt or debris from the rubber pads and mounts.

Rear Ride Height Sensor Assembly

5. Clamp the OE ride-height sensors in a vice and gently twist the plastic ball socket ends off using a pair of pliers at the base of the socket. Be careful not to damage the plastic sockets.



6. Locate the new Eibach ride height sensor links (Short Links) and thread one ball socket onto each end. Screw the sockets down until they gently bottom out.
   Do Not Over tighten The Sockets



Rear Spring Installation

7. Be sure all dirt or debris is cleaned from the spring perch and the spring pads before installing the new Eibach springs.

8. Install the new Eibach rear springs so the Eibach logo and part number are right side up. Be sure to use the upper and lower OE spring isolator pads with the Eibach spring kit.

9. Reconnect the rear shocks and anti-roll bar end-link nuts. Do not tighten at this time.

NOTE: If you have the Premium Ride Suspension package (large diameter rear shocks which are internally height adjustable), you will need to change them to the factory non height adjustable or use a performance aftermarket shock in order to achieve full lowering.

10. Install the shorter Eibach sensor links.

11. Lower the axle.

12. Install the rear tires and torque lug nuts to factory specs.

13. Lower rear of vehicle to the ground.

14. Torque lower shock bolts and anti-roll bar end-link nuts.

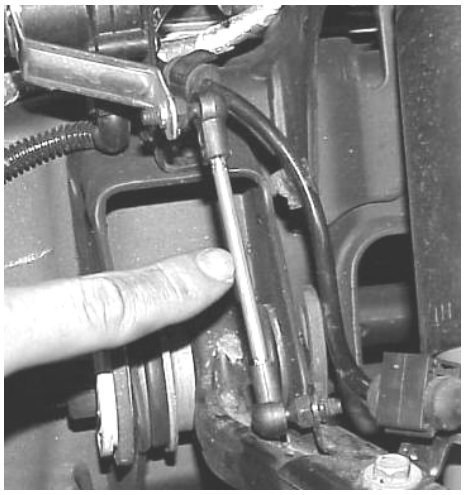
Front Torsion Bar Adjustment Procedure

15. Measure the front ride height from the center of the wheel up to the fender lip and record height. Do not measure from the ground.

16. Raise front of vehicle and support with safety stands.

Front Ride Height Sensors

17. **This Step For Auto Ride Suspension Only.** Remove both the left and right ride height sensors by "popping" the sockets off the ball with a screwdriver. The ride height sensors are located between the upper control arm and the frame. Save the links.



18. Clamp the OE ride-height sensors in a vice and gently twist the plastic ball socket ends off using a pair of pliers at the base of the socket. Be careful not to damage the plastic sockets. (See previous photo)

19. Locate the new Eibach ride height sensor links (Long Links) and thread one ball sockets onto each end. Screw the sockets down until they gently bottom out. (See previous photo) **Do Not Over tighten The Sockets**

Front Torsion Bar Adjustment

NOTE: Each vehicle is different and may require several height adjustments to achieve the desired height. We recommend lowering the front 1"-1.5" for a level stance.

20. Loosen the left and right torsion bar adjuster bolts four full turns.

21. Lower the vehicle and drive for at least one mile.

22. Park the vehicle in the same location and measure the ride height using the same points on the vehicle when previously measured.

23. If your vehicle requires additional adjustments, repeat the process. Be sure to raise the vehicle to remove the weight from the tires before making any adjustment. This will prevent the torsion bar adjuster bolt from stripping.

24. Always follow factory recommendations for reassembly and torque specifications.

25. To ensure long and trouble free operation of your new Eibach springs, be sure to re-torque all mounting bolts to factory specs after 500 miles and after every track event.

26. Eibach also recommends having your car realigned after installing any suspension component.